TABLE OF CONTENTS

Undergraduate Guide 9
College of Agricultural and Life Sciences 44
Agricultural and Applied Economics 51
Agricultural and Applied Economics, BS 52
Agricultural Business Management, BS 56
Business Management for Agricultural and Life Sciences, Certificate 60
Development Economics, Certificate 61
Agricultural and Life Sciences - College-Wide 62
College of Agricultural and Life Sciences Honors 62
Individual Major, BS 63
Animal and Dairy Sciences 66
Animal and Veterinary Biosciences, BS 66
Animal Sciences, BS 72
Dairy and Food Animal Management, BS 78
Dairy Science, BS 83
Bacteriology 88
Biology, BS (CALS) 89
Biology: Evolutionary Biology 96
Microbiology, BS (CALS) 101
Biochemistry 108
Biochemistry, BS (CALS) 108
Biological Systems Engineering 116
Biological Systems Engineering, BS 117
Biological Systems Engineering: Food and Bioprocess Engineering 123
Biological Systems Engineering: Machinery Systems Engineering 125
Biological Systems Engineering: Natural Resources and Environmental Engineering 127
Community and Environmental Sociology 128
Community and Environmental Sociology, BS 128
Food Systems, Certificate 132
Entomology 134
Entomology, BS 135
Global Health, BS 140
Global Health, Certificate 147
Food Science 150
Fermented Foods and Beverages, Certificate 151
Food Science, BS 153
Forest and Wildlife Ecology 157
Forest Science, BS 157
Wildlife Ecology, BS 164
Genetics 169
Genetics and Genomics, BS 170
Genetics in a Modern World, Certificate 176
Life Sciences Communication 177
Life Sciences Communication, BS 178
Science Communication, Certificate 184
Nutritional Sciences 185
Nutritional Sciences, BS 185
Nutritional Sciences, BS Nutrition and Dietetics 190
Plant and Agroecosystem Sciences 195
Agroecology, BS 195
Agronomy, BS 201
Horticulture, BS 207
Plant Science and Technology, BS 213
Plant Pathology 220
Organic Agriculture, Certificate 220
Plant Pathology, BS 222
Soil and Environmental Sciences 228
Environmental Sciences, BS (CALS) 229
Environmental Soil Science, Certificate 237
Soil Science, BS 239
College of Engineering 246
Biomedical Engineering 257
Biology in Engineering for Engineering Majors, Certificate 258
Biomedical Engineering, BS 260
Chemical and Biological Engineering 267
Chemical Engineering, BS 268
Civil and Environmental Engineering 274
Architecture, Certificate 274
Civil Engineering, BS 276
Civil Engineering: Construction Engineering and Management 282
Environmental Engineering, BS 283
Geological Engineering, BS 289
Electrical and Computer Engineering 295
Computer Engineering, BS 296
Computer Engineering: Machine Learning and Data Science, BS 301

Computer Engineering: Semiconductor Engineering, BS 302
Electrical Engineering, BS 303
Electrical Engineering: Machine Learning and Data Science, BS 309
Electrical Engineering: Semiconductor Engineering, BS 310
Engineering - College-wide 311
College of Engineering Honors in the Liberal Arts 312
International Engineering, Certificate 312
Naval Science, BNS 313
Technical Communication, Certificate 315
Industrial and Systems Engineering 318
Engineering Data Analytics, Certificate 318
Industrial Engineering, BS 319
Six Sigma, Certificate 325
Materials Science and Engineering 326
Materials Science and Engineering, BS 326
Mechanical Engineering 330
Engineering Mechanics, BS 331
Engineering Mechanics: Aerospace Engineering 336
Engineering Mechanics: Astronautics 339
Engineering Thermal Energy Systems, Certificate 341
Manufacturing Engineering, Certificate 342
Mechanical Engineering, BS 344
Nuclear Engineering and Engineering Physics 349
Engineering for Energy Sustainability, Certificate 350
Engineering Physics, BS 351
Nuclear Engineering Materials, Certificate 357
Nuclear Engineering, BS 358
Nuclear Engineering: Radiation Sciences 364
College of Letters & Science 366
African American Studies 378
African American Studies, BA 379
African American Studies, BS 383
African American Studies, Certificate 387
African Cultural Studies 388
African Cultural Studies, BA 389
African Cultural Studies, BS 394
Arabic Language and Culture, Certificate 399
American Indian and Indigenous Studies Program 401
American Indian and Indigenous Studies, Certificate 401
Anthropology 403
Anthropology, BA 403
Anthropology, BS 407
Archaeology, Certificate 411
Art History 413
Art History, BA 413
Art History, BS 420
Art History, Certificate 426
Asian American Studies Program 429
Asian American Studies, Certificate 429
Asian Languages and Cultures 430
Asian Languages and Cultures, BA 432
Asian Languages and Cultures: East Asian Studies 440
Asian Languages and Cultures: South Asian Studies 443
Asian Languages and Cultures: Southeast Asian Studies 445
Asian Languages and Cultures, BS 446
Asian Languages and Cultures: East Asian Studies 453
Asian Languages and Cultures: South Asian Studies 456
Asian Languages and Cultures: Southeast Asian Studies 459
Chinese Professional Communication, Certificate 460
Chinese, BA 463
Chinese, BS 470
Japanese Professional Communication, Certificate 476
Japanese, BA 479
Japanese, BS 484
Astronomy 489
Astronomy–Physics, BA 489
Astronomy–Physics, BS 494
Atmospheric and Oceanic Sciences 499
Atmospheric and Oceanic Sciences, BA 499
Atmospheric and Oceanic Sciences, BS 504
Environmental Sciences, BA (L&S) 509
Environmental Sciences, BS (L&S) 517
Biology Core Curriculum 526
Biology Core Curriculum Honors, Certificate 526
Botany 528
Botany, BA 528
Botany, BS 532
Conservation Biology, BA 536
Conservation Biology, BS 542

Center for Law, Society, and Justice 548
Criminal Justice, Certificate 548
Legal Studies, BA 551
Legal Studies, BS 559
Chemistry 567
Chemistry, BA 567
Chemistry, BS 574
Chicana/o and Latina/o Studies 581
Chicana/o and Latina/o Studies, Certificate 581
Chicanx/e and Latinx/e Studies, BA 583
Chicanx/e and Latinx/e Studies, BS 588
Classical and Ancient Near Eastern Studies 592
Classical Humanities, BA 593
Classical Humanities, BS 598
Classical Studies, Certificate 604
Classics, BA 606
Classics, BS 610
Latin, BA 614
Latin, BS 617
Communication Arts 620
Communication Arts, BA 621
Communication Arts: Communication Science and Rhetorical Studies 624
Communication Arts: Radio-Television-Film 628
Communication Arts, BS 631
Communication Arts: Communication Science and Rhetorical Studies 635
Communication Arts: Radio-Television-Film 639
Digital Cinema Production, Certificate 642
Digital Studies, Certificate 644
Communication Sciences and Disorders 647
Communication Sciences and Disorders, BA 647
Communication Sciences and Disorders, BS 651
Computer Sciences 655
Computer Sciences, BA 655
Computer Sciences, BS 660
Computer Sciences, Certificate 664
Economics 666
Economic Analytics, Certificate 667
Economics, BA 668
Economics: Mathematical Emphasis 673
Economics, BS 675
Economics: Mathematical Emphasis 680
English 682
English, BA 682
English: Emphasis on Creative Writing 687
English: English Language and Linguistics 688
English, BS 691
English: Emphasis on Creative Writing 696
English: English Language and Linguistics 697
Teaching English to Speakers of Other Languages, Certificate 699
Environmental Studies 700
Environmental Studies Major 700
French and Italian 709
French, BA 709
French, BS 714
French, Certificate 718
Italian, BA 719
Italian, BS 723
Italian, Certificate 726
Gender and Women's Studies 728
Gender and Women's Studies, BA 728
Gender and Women's Studies, BS 735
Gender and Women's Studies, Certificate 743
LGBTQ+ Studies, Certificate 746
Geography 747
Cartography and Geographic Information Systems, BA 748
Cartography and Geographic Information Systems, BS 752
Geography, BA 757
Geography: Human Geography 761
Geography: People-Environment Geography 762
Geography: Physical Geography: Earth Systems and Environmental Processes 762
Geography, BS 763
Geography: Human Geography 767
Geography: People-Environment Geography 768
Geography: Physical Geography: Earth Systems and Environmental Processes 769
Geospatial Data Science, Certificate 770
Geoscience 771
Geology and Geophysics, BA 772
Geology and Geophysics, BS 775
German, Nordic, and Slavic 779

East Central European Languages, Literatures, and Cultures, Certificate 781
Folklore, Certificate 782
German, BA 784
German, BS 788
German, Certificate 792
Languages and Cultures of Northern Europe, Certificate 793
Polish, BA 795
Polish, BS 799
Russian, BA 802
Russian, BS 806
Scandinavian Studies, BA 810
Scandinavian Studies, BS 813
Scandinavian Studies, Certificate 817
Slavic Studies, Certificate 819
History 821
History, BA 821
History, BS 834
History, Certificate 846
Medieval Studies, Certificate 849
Information 852
Information Science, BA 852
Information Science, BS 856
Institute for Regional and International Studies 861
African Studies, Certificate 861
East Asian Studies, Certificate 864
European Studies, Certificate 867
International Studies, BA 876
International Studies: Culture in an Age of Globalization 882
International Studies: Global Security 890
International Studies: Human Rights and Humanitarianism 898
International Studies: Politics and Policy in the Global Economy 906
International Studies, BS 914
International Studies: Culture in an Age of Globalization 920
International Studies: Global Security 928
International Studies: Human Rights and Humanitarianism 936
International Studies: Politics and Policy in the Global Economy 945
Latin American, Caribbean, and Iberian Studies, BA 953
Latin American, Caribbean, and Iberian Studies, BS 959
Middle East Studies, Certificate 965
Russian, East European, and Central Asian Studies, Certificate 968
South Asian Studies, Certificate 972
Southeast Asian Studies, Certificate 975
Integrated Liberal Studies 977
Health and the Humanities, Certificate 977
Integrated Liberal Studies, Certificate 980
Integrative Biology 985
Biology, BA (L&S) 986
Biology: Evolutionary Biology 994
Biology, BS (L&S) 1000
Biology: Evolutionary Biology 1008
Freshwater and Marine Sciences, Certificate 1014
Molecular and Cell Biology, BA 1016
Molecular and Cell Biology, BS 1021
Neurobiology, BA 1027
Neurobiology, BS 1033
Zoology, BA 1040
Zoology, BS 1045
La Follette School of Public Affairs 1049
Health Policy, Certificate 1049
Public Policy, Certificate 1052
Language Sciences 1054
Linguistics, BA 1055
Linguistics, BS 1059
Letters & Science - College-Wide 1064
Applied Social Science, BLS 1064
Biochemistry, BA (L&S) 1067
Biochemistry, BS (L&S) 1075
College of Letters & Science Honors in the Liberal Arts .. 1083
Individual Major, BA 1084
Individual Major, BS 1086
Microbiology, BA (L&S) 1089
Microbiology, BS (L&S) 1093
Mathematics 1098
Applied Mathematics, Engineering, and Physics, BS AMEP 1098
Mathematics, BA 1102
Mathematics: Mathematics for Data Science 1109

Mathematics: Mathematics for Economics and Finance 1111
Mathematics: Mathematics for Programming and Computing 1113
Mathematics: Mathematics for Secondary Education 1116
Mathematics: Mathematics for Statistical Analysis and Risk Assessment 1118
Mathematics: Mathematics for the Physical and Biological Sciences 1120
Mathematics, BS 1124
Mathematics: Mathematics for Data Science 1130
Mathematics: Mathematics for Economics and Finance 1133
Mathematics: Mathematics for Programming and Computing 1135
Mathematics: Mathematics for Secondary Education 1138
Mathematics: Mathematics for Statistical Analysis and Risk Assessment 1139
Mathematics: Mathematics for the Physical and Biological Sciences 1142
Mathematics, Certificate 1146
Mead Witter School of Music 1147
Music, BA 1148
Music: Composition 1157
Music: Performance 1158
Music, BS 1161
Music: Composition 1170
Music: Performance 1171
Music: Education, BM 1175
Music: Education: Choral/General, BM 1181
Music: Education: Instrumental/General, BM 1182
Music: Performance, BM 1183
Music: Performance: Brass, Percussion, Woodwinds, BM 1191
Music: Performance: Composition, BM 1192
Music: Performance: Guitar, BM 1193
Music: Performance: Jazz, BM 1194
Music: Performance: Organ, BM 1195
Music: Performance: Piano, BM 1196
Music: Performance: Strings, BM 1197
Music: Performance: Voice, BM 1198
Mosse/Weinstein Center for Jewish Studies 1199
Jewish Studies, BA 1200
Jewish Studies, BS 1204
Jewish Studies, Certificate 1208
Philosophy 1211
Philosophy, BA 1211
Philosophy, BS 1214
Physics 1218
Physics, BA 1218
Physics, BS 1225
Physics, Certificate 1232
Planning and Landscape Architecture 1233
Integrative Design of Built and Natural Environments, Certificate 1233
Landscape and Urban Studies, BA 1235
Landscape and Urban Studies, BS 1240
Landscape Architecture, BLA 1245
Political Science 1249
Political Economy, Philosophy, and Politics, Certificate 1249
Political Science, BA 1251
Political Science, BS 1257
Political Science, Certificate 1263
Psychology 1265
Psychology, BA 1265
Psychology, BS 1269
Religious Studies 1274
Religious Studies, BA 1274
Religious Studies, BS 1278
Religious Studies, Certificate 1281
Sandra Rosenbaum School of Social Work 1283
Aging Studies, Certificate 1283
Social Welfare, BA 1285
Social Welfare, BS 1292
Social Work, BSW 1300
School of Journalism and Mass Communication 1310
Digital Media Analytics, Certificate 1311
Journalism, JBA 1312
Journalism, JBS 1316
Sports Communication, Certificate 1320
Sociology 1321
Applied Social Research, Certificate 1321
Integrated Studies in Science, Engineering, and Society, Certificate 1323
Sociology, BA 1326

Sociology: Concentration in Analysis and Research .. 1330
Sociology, BS 1332
Sociology: Concentration in Analysis and Research .. 1336
Spanish and Portuguese 1338
Business Spanish, Certificate 1338
Portuguese, BA 1339
Portuguese, BS 1342
Spanish Studies for Business Students, Certificate 1345
Spanish, BA 1347
Spanish, BS 1350
Statistics 1354
Data Science, BA 1354
Data Science, BS 1359
Data Science, Certificate 1364
Statistics, BA 1366
Statistics, BS 1370
Statistics, Certificate 1375
Gaylord Nelson Institute for Environmental Studies 1377
Environmental Studies 1377
Environmental Studies, Certificate 1377
Sustainability, Certificate 1384
School of Business 1386
Accounting and Information Systems 1401
Accounting Fundamentals, Certificate 1401
Accounting, Certificate 1402
Business: Accounting, BBA 1403
Business - School-Wide 1410
Business Fundamentals, Summer Certificate 1410
Business, Certificate 1411
Consulting, Certificate 1412
International Business, Certificate 1413
Finance 1414
Business: Finance, Investment, and Banking, BBA 1414
International Business 1418
Business: International Business, BBA 1418
Management and Human Resources 1432
Business Administration: Human Resources, BBA 1433
Business Administration: Management, BBA 1435
Business: Entrepreneurship, BBA 1437
Business: Human Resource Management, BBA 1440
Business: Management and Human Resources, BBA 1444
Business: Management and Human Resources: Entrepreneurship 1449
Business: Management and Human Resources: Entrepreneurship/Human Resources 1450
Business: Management and Human Resources: Entrepreneurship/Management 1451
Business: Management and Human Resources: Human Resources 1452
Business: Management and Human Resources: Management 1453
Business: Management and Human Resources: Management/Human Resources 1454
Business: Management, BBA 1455
Entrepreneurship, Certificate 1459
Marketing 1461
Business Administration: Marketing, BBA 1461
Business: Marketing, BBA 1463
Operations and Information Management 1466
Business: Information Systems, BBA 1467
Business: Operations and Technology Management, BBA 1470
Business: Supply Chain Management, BBA 1474
Real Estate and Urban Land Economics 1478
Business: Real Estate and Urban Land Economics, BBA .. 1478
Risk and Insurance 1482
Business: Actuarial Science, BBA 1482
Business: Risk Management and Insurance, BBA 1486
Risk Management and Insurance, Certificate 1490
School of Education 1490
Art 1519
Art Education, BS 1519
Art Studio, Certificate 1527
Art, BFA 1529
Art: Graphic Design, BFA 1538
Art, BS 1543
Art: Graphic Design, BS 1550
Graphic Design, Certificate 1553
Curriculum and Instruction 1554
Arts and Teaching, Certificate 1555
Biology, Minor 1557
Chemistry, Minor 1558
Communication Sciences and Disorders, BSE 1559
Early Childhood Education, Minor 1565
Earth Science, Minor 1565

Economics, Minor 1566
Elementary Education, BSE 1567
Elementary Education: Kindergarten - 9th Grade 1574
English as a Second Language, Minor 1578
English Language Arts, Minor 1578
English, Minor 1580
Game Design, Certificate 1581
Geography, Minor 1582
History, Minor 1584
Mathematics and Science Dual, Minor 1588
Mathematics Specialized, Minor 1591
Mathematics, Minor 1591
Physics, Minor 1592
Political Science, Minor 1592
Preparing to Teach Abroad, Certificate 1595
Psychology, Minor 1597
Science Specialized, Minor 1597
Social Studies, Minor 1598
Sociology, Minor 1607
Dance 1609
Dance Education, Certificate 1609
Dance Studies, Certificate 1610
Dance, BFA 1612
Dance, BS 1618
Dance, Certificate 1624
Introductory Studies in Dance/Movement Therapy, Certificate 1626
Pilates, Certificate 1626
Education - School-Wide 1627
Individual Major, BSE 1627
Educational Policy Studies 1631
Educational Policy Studies, BS 1632
Educational Policy Studies, Certificate 1640
Global Cultures, Languages, and Education, Certificate 1641
International Development and Education, Certificate 1649
Social Justice and Education, Certificate 1651
Educational Psychology 1652
Education and Educational Services, Certificate 1652
Kinesiology 1654
Adapted Physical Education, Minor 1655
Athletic Healthcare, Certificate 1655
Health Education, Minor 1656
Health Promotion and Health Equity, BS 1657
Kinesiology, BS 1663
Physical Education, BS 1671
Promoting Activity for Diverse Abilities, Certificate 1679
Rehabilitation Psychology and Special Education 1680
Disability Rights and Services, Certificate 1680
Elementary Education and Special Education, BSE 1681
Rehabilitation Psychology, BS 1689
Special Education, BSE 1694
Special Education: Early Childhood Special Education Birth - Grade 3, BSE 1701
Special Education: Early Childhood Special Education/ Special Education Dual Certification Birth-Grade 12, BSE 1702
Special Education: Special Education Cross Categorical K-12, BSE 1704
Theatre and Drama 1705
Theatre and Drama, BS 1706
Theatre and Drama: Acting 1712
Theatre, Certificate 1714
School of Human Ecology 1715
Civil Society and Community Studies 1721
Community and Organizational Development, BS 1722
Consumer Science 1725
Consumer Behavior and Marketplace Studies, BS 1726
Consumer Finance and Financial Planning, BS 1730
Consumer Marketplace Studies, BS 1733
Personal Finance, BS 1735
Personal Finance: Financial Planning, BS 1739
Design Studies 1741
Design Strategy, Certificate 1741
Design, Innovation, and Society, BS 1743
Interior Architecture, BS 1747
Material Culture Studies, Certificate 1752
Textiles and Design, Certificate 1754
Textiles and Fashion Design, BS 1756
Textiles and Fashion Design: FIT (Fashion Institute of Technology) 1760
Human Development and Family Studies 1761
Human Development and Family Studies, BS 1762
Human Development and Family Studies: Child Development, BS 1766
Human Ecology - School-wide 1768

Individual Major, BS 1768
School of Human Ecology Honors 1769
School of Nursing 1770
School of Nursing 1778
Nursing, BSN 1778
Nursing, BSN (Accelerated Program) 1783
Nursing, BSN (Collaborative Program) 1788
School of Nursing Honors 1791
School of Pharmacy 1791
School of Pharmacy 1793
Pharmaceutical Sciences, BS 1793
Pharmacology and Toxicology, BS 1795
Index 1803

UNDERGRADUATE GUIDE

The Guide contains information about the many academic programs that make the University of Wisconsin-Madison one of the world's foremost institutions of higher education.

The Guide is published online only. It is not available in printed format.

The information in the Guide applies to all undergraduate students at the university regardless of their classification (school/college affiliation). Information in the individual school/college sections applies specifically to students who intend to graduate from one of those schools or colleges.

It is important for students to be familiar with all the information that applies to them. Students are strongly encouraged to consult their advisors at least once each semester to be certain they are completing requirements that apply to their degree and major programs.

The Guide is intended to complement other university information including specific materials supplied by schools, colleges, departments, and programs.

For more information about admission expectations, academic preparation, the application process, and important dates and deadlines, contact:

Office of Admission and Recruitment (https://www.admissions.wisc.edu/)
702 West Johnson Street, Suite 1101
Madison, WI 53715-1007
onwisconsin@admissions.wisc.edu
608-262-3961

Schedule a campus tour at VisitBucky (https://www.admissions.wisc.edu/visitbucky/) or call 608-262-3961.

UW-Madison summer brochures and program information are available from the Division of Continuing Studies (http://continuingstudies.wisc.edu/).

All students should familiarize themselves with the regulations regarding the privacy of their education records, including grades and records related to academic and nonacademic misconduct. Information about the Family Educational Rights and Privacy Act of 1974 (https://registrar.wisc.edu/ferpa/), as amended, is distributed during Wisconsin Welcome and is available at:

Office of the Registrar (https://registrar.wisc.edu/)
333 East Campus Mall #11101
Madison, WI 53715-1384

Undergraduate students will also be prompted to review this information before enrolling in courses each fall and spring term.

ACCREDITATION

The University of Wisconsin-Madison is accredited by the Higher Learning Commission (http://www.hlcommission.org/).

230 South Lasalle Street, Suite 7-500
Chicago, IL 60604
Telephone 1-800-621-7440
www.hlcommission.org (http://www.hlcommission.org)

UW-Madison, which was first accredited in 1913, was last accredited in 2019, and will go through a reaccreditation process again in 2028–29.

Student achievement data (https://data.wisc.edu/student-achievement-data/)

SAFE LEARNING AND WORK ENVIRONMENT

Guide to creating and maintaining a Safe Learning and Work Environment at UW–Madison: Responsibilities, Resources, and Reporting Requirements. (https://compliance.wisc.edu/safe-learning-work-guide/)

CONSUMER INFORMATION

UW-Madison is required by law to make available to enrolled and prospective students and their parents' certain information about its operations. Such information pertains to:

1. general institutional operation
2. financial aid
3. retention and graduation rates
4. annual security & fire report, and
5. athletic program participation rates, financial support, and graduation rates

To meet the requirement, information for the University of Wisconsin-Madison is provided on the Consumer Information webpage (https://financialaid.wisc.edu/consumer-info/).

DISTANCE EDUCATION AUTHORIZATION AND DISCLOSURES

UW-Madison complies with the requirements and standards set by the National Council for State Authorization Reciprocity Agreements (NC-SARA) (https://nc-sara.org/).

Disclosures and information related to distance education at UW-Madison is available on the Distance Education, State Authorization, and Disclosures webpage (https://academicplanning.wisc.edu/distance-education/).

REGISTRATION WITH MINNESOTA OFFICE OF HIGHER EDUCATION

The University of Wisconsin-Madison is a public institution registered as a "Private Institution" with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

EQUAL OPPORTUNITY, EQUAL ACCESS, AND NON-DISCRIMINATION

The University of Wisconsin-Madison is committed to providing equal opportunity and equal access in compliance with all applicable federal and

state laws and regulations and Universities of Wisconsin and university non-discrimination policies and procedures.

POLICIES & PROCEDURES

The Office of Compliance promotes ethical conduct and compliance with all applicable laws, regulations, and UW-Madison policies. UW-Madison's non-discrimination statement, contact information for the university's Equal Opportunity Investigations Administrator, Title IX Coordinator, ADA Coordinator as well as information regarding UW-Madison's Equal Opportunity Complaint process is available on the Office of Compliance's website (https://compliance.wisc.edu/eo-complaint/).

DISABILITY RESOURCES

The McBurney Disability Resource Center is an office within the Division of Student Affairs that views disability as an important aspect of the diversity of UW-Madison. The Center is committed to creating an accessible and inclusive educational experience for students, by partnering with students, faculty, and staff to design accessible environments and to provide academic accommodations so that students can engage, explore and participate in the Wisconsin Idea.

The Center works with UW-Madison students with physical, learning, hearing, vision, psychological, health and other disabilities substantially affecting a major life activity (e.g., walking, communicating, learning, seeing, breathing, reading, etc.). Many students have non-apparent disabilities such as depression, anxiety, autism spectrum, learning disabilities, AD/HD and health conditions such as Crohn's disease or fibromyalgia.

Common accommodations include extended time and/or small group environment for exams, note taking support, sign language interpreting, real time and media captioning, and conversion of printed materials to accessible formats. McBurney Center staff members also collaborate with students and faculty to determine reasonable flexibility with regard to attendance, participation, and deadlines for conditions that fluctuate in severity over the course of enrollment. The Center makes referrals to other campus offices or community resources for non-classroom accommodations related to housing, transportation, personal care needs, and so on. Students should contact the Center upon admission to begin the eligibility for services process. Early notice is essential in order to have accommodations in place prior to the start of the semester. For detailed information, see apply for accommodations (https://mcburney.wisc.edu/apply-for-accommodations/).

McBurney Disability Resource Center
702 West Johnson Street, Suite 2104
Madison, WI 53706
608-263-2741 (voice)
608-225-7956 (text)
608-265-2998 (fax)
mcburney@studentlife.wisc.edu
www.mcburney.wisc.edu (http://www.mcburney.wisc.edu/)

The information, policies, and rules contained herein are subject to change. The information in this catalog is current as of June 1, 2025. Later revisions are announced through department or program offices. Students are responsible for knowing current university regulations. University offices can provide current information about possible changes.

ADMISSION

ADMISSION

OFFICE OF ADMISSIONS AND RECRUITMENT

Students seeking to earn a bachelor's degree from the University of Wisconsin–Madison will apply for admission through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Undergraduate admission is competitive and selective; professional admissions counselors review applications using a holistic process. We focus on academic excellence, reviewing high school and college coursework (when applicable), the courses students have chosen to take, the rigor and breadth of the curriculum, and how the student has performed in their coursework. We also consider written essays, letters of recommendation, extracurricular involvement, and optional test scores.

Our review process is designed to help us identify students who are not only academically stellar but also have qualities such as leadership, concern for humanity, and achievement in the arts, athletics, and other areas. We also seek diversity in personal background and experience for potential contribution to the University of Wisconsin–Madison community.

We invite and encourage all students considering the University of Wisconsin–Madison to join us on campus for a visit (https://apps.admissions.wisc.edu/visitbucky/). There are many options to explore and discover what UW–Madison has in store.

Apply (https://admissions.wisc.edu/how-do-i-apply-to-uw-madison/)

To submit an application for admission, review the application dates and deadlines, as well as the required application materials listed on our website.

Deadlines (https://admissions.wisc.edu/deadlines/)
First-Year Applicants (https://admissions.wisc.edu/apply-as-a-freshman/)
Transfer Applicants (https://admissions.wisc.edu/apply-as-a-transfer/)
Reentry Applicants (https://admissions.wisc.edu/apply-as-a-reentry-student/)
Second Degree Applicants (https://admissions.wisc.edu/apply-as-a-second-degree-student/)

FIRST-YEAR STUDENTS

Competitive first-year applicants have taken advantage of the rigor offered at their high schools and have performed well in challenging courses. Beyond academic excellence, we are looking for students who demonstrate leadership, community engagement, and passion.

Students are considered first-year applicants if they have not yet completed high school (secondary-level education); have not earned a GED/HSED (but will by the time they enroll at UW–Madison); or have not enrolled in a college or university in a degree-granting program since graduating high school or earning a GED/HSED. For more information about admission requirements and expectations of first-year applicants, please see our website (https://admissions.wisc.edu/apply-as-a-freshman/).

TRANSFER STUDENTS

Successful transfer applicants will have a consistently high or upward grade trend; a strong cumulative grade point average; and rigorous coursework in English composition, college-level math, science, social

science, humanities, literature, and foreign language. Admission to the university does not guarantee acceptance to an intended major, which is a separate process from undergraduate admission.

Students are considered transfer applicants if they have enrolled in an accredited college or university in a degree-granting program after graduating from high school or earning a GED/HSED. Students must have 24 transferable credits earned at a college or university after high school graduation to be eligible for admission as a transfer applicant. For more information about admission requirements and expectations of transfer applicants, please see our website (https://admissions.wisc.edu/apply-as-a-transfer/).

Prospective transfer students can begin satisfying UW–Madison general education and degree requirements before transferring. Transfer credit (https://registrar.wisc.edu/transfer-credit/) is generally given for college-level courses taken at a degree-granting institution accredited by a CHEA-recognized organization (http://chea.org/). Courses must be similar in nature, level, and content to UW–Madison undergraduate courses and apply to a UW–Madison academic program. Students may wish to consult the UW–Madison Transfer Credit Policy (https://www.wisconsin.edu/uw-policies/uw-system-administrative-policies/uw-system-undergraduate-transfer-policy/) for more details.

Transfer Articulation Agreements

A transfer articulation agreement defines accepted transfer courses/credits between two institutions, promoting the successful transfer of completed coursework into UW-Madison required coursework.

UW-Madison currently participates in two transfer articulation agreements with the Wisconsin Technical College System.

1. Universal Undergraduate Credit Transfer Agreement (https://www.wisconsin.edu/transfer/universal-transfer/);
2. University of Wisconsin System Collaborative Nursing Program/BSN@Home Agreement (https://uwmadison.box.com/v/BSNHome-articulation/).

REENTERING STUDENTS

Students previously registered at UW–Madison in an undergraduate degree program who wish to resume undergraduate study after an absence of a semester or more are considered reentry students. Reentry students must file an application for readmission but are not subject to the application fee.

To guarantee an early enrollment appointment time, reentry students should submit the complete application by March 1 for the summer or fall term or by November 1 for the spring term. In addition to submitting an application (https://admissions.wisc.edu/apply-as-a-reentry-student/), reentry applicants must submit official transcripts for any work completed elsewhere since last enrolled at UW–Madison, a list of courses in progress (if applicable), and an academic action from the dean's office if they are in "dropped" or "must obtain permission to continue" status.

SECOND DEGREE STUDENTS

Students who previously completed a bachelor's degree at the University of Wisconsin-Madison or another institution and are interested in pursuing a second bachelor's degree are considered a second degree student.

Not all programs are able to accept second degree students. Please be sure to review the school and college-specific requirements (https://admissions.wisc.edu/apply-as-a-second-degree-student/) to determine if the program you are interested in accepts second degree applicants.

All second degree applicants will receive an initial eligibility review to determine if they are considered a second degree-seeking student based on official college transcripts or academic record (for UW-Madison students).

For more information about admission requirements and expectations of second degree applicants, please see our website (https://admissions.wisc.edu/apply-as-a-second-degree-student/).

NONDEGREE UNIVERSITY SPECIAL AND GUEST STUDENTS

Undergraduate students visiting from other universities or recent UW–Madison graduates may desire to enroll at UW–Madison as nondegree University Special and Guest students. Contact the Division of Continuing Studies, Adult Career and Special Student Services (https://continuingstudies.wisc.edu/).
21 North Park Street
Madison, WI 53715
608-263-6960
advising@dcs.wisc.edu

PLACEMENT TESTS AND CREDIT BY EXAM

PLACEMENT TESTS AND CREDIT BY EXAM

PLACEMENT TESTS

This is a summary of the Placement by UW System or Departmental Test policy. Click here *(*https://policy.wisc.edu/library/UW-1014/*) to view the official policy in its entirety in the UW-Madison Policy Library.*

Each student comes to UW–Madison with a unique set of skills and academic preparation. To assess where each student stands in beginning to meet their General Education Requirements (p. 33), placement tests provide academic advisors with the tools to help determine in which courses students should enroll. Placement tests are required of all incoming first-year and some transfer students. Transfer students may be exempt from placement testing based on their transfer credit. Other exams such as ACT, SAT, SAT II, TOEFL, Advanced Placement (AP), International Baccalaureate (IB), etc. do not satisfy the requirement of placement tests, however, scores on these exams may assist in appropriate course enrollment advising.

UW System Placement tests are developed by faculty and instructional staff from various UW System campuses and led by Testing and Evaluation Services (https://testing.wisc.edu/) (T&E). T&E conducts studies to support the development of these tests and effectively uses the results to place incoming students into appropriate levels of English, math, Spanish, French and German. Outlined below are the situations typical for requiring placement tests.

LANGUAGE PLACEMENT TESTS

A first-year student with previous experience in French, German, or Spanish or a transfer student without transfer credit in the language who plans to enroll in one or more of these languages must take a placement test to qualify for enrollment in courses beyond the entry level language course. If you are interested in taking a course in another language, see the available Departmental Placement Exams below (p. 13). Previous

experience may include native speakers and those who have previous coursework in the language.

French

Score	Placement Into
0-149	Consult with French Advisor
150-385	FRENCH 101 (First Semester French)
386-475	FRENCH 102 (Second Semester French)
476-560	FRENCH 203 (Third Semester French)
561-715	FRENCH 204 (Fourth Semester French)
716-800	FRENCH 228 (Intermediate Language and Culture)
801-850	Consult with French Advisor

German

Score	Placement Into
150-406	GERMAN 101 (First Semester German)
407-466	GERMAN 102 (Second Semester German)
467-536	GERMAN 203 (Third Semester German)
537-616	GERMAN 204 (Fourth Semester German)
617-850	GERMAN 249 (Intermediate German - Speaking and Listening), GERMAN 258 (Intermediate German-Reading), GERMAN 262 (Intermediate German-Writing), or GERMAN 285 (Intermediate Intensive (Honors) German: Language, Culture, Texts)

Note: If your score is between 0-149 or 851-999, please consult the German advisor. These scores are not valid, and something was entered incorrectly on your record.

Spanish

Score	Placement Into
150-420	SPANISH 101 (First Semester Spanish)
421-540	SPANISH 102 (Second Semester Spanish)
541-639	SPANISH 203 (Third Semester Spanish)
640-742	SPANISH 204 (Fourth Semester Spanish)
743-849	SPANISH 226 (Intermediate Language Practice with Emphasis on Writing and Grammar)
850	SPANISH 226 (Intermediate Language Practice with Emphasis on Writing and Grammar), or SPANISH 311 (Advanced Language Practice)

Note: If your score is between 0-149 or 851-999, please consult the Spanish advisor. These scores are not valid, and something was entered incorrectly on your record.

MATH PLACEMENT TEST

This test is required for students admitted to undergraduate degree granting programs who is:

1. Admitted as a first-year student; or
2. Admitted as a transfer student and (one of the following):
   a. Has not previously completed the UW System math placement test (Math B if taken after March 2023).
   b. Does not have credit for the UW–Madison direct equivalent of MATH 96, MATH 112, MATH 114 , MATH 171, MATH 211 , MATH 217, MATH 221, MATH 222, or MATH 234.

It is assumed that a transfer student with one of the direct equivalent MATH courses in progress at the time of admission will successfully complete the course, and will not be required to take the placement test. If the student does not complete or pass the course, the student may be required to take the placement test to demonstrate minimum math proficiency.

Notes:

- To ensure timely completion of the undergraduate degree, students must demonstrate minimum math proficiency before they can enroll in a Quantitative Reasoning Part A course. They should complete Part A of the Quantitative Reasoning requirement by the end of their first year, and must complete Part A before they enroll in Part B.
- Satisfaction of Quantitative Reasoning A from a math course that is transferred in does not automatically exempt students from the UW System math placement test.
- MATH 101 equivalents will be reviewed by the math department.

Math Placement Exam Matrix

For more detailed information on math course sequencing and placement, please see the information available on the Math Department website (https://math.wisc.edu/undergraduate/placement/new-student/). Students should discuss course selection based on math placement test scores with an advisor if they have any questions.

MFUND	AALG	TAG	Math Course Options	General Education
150-355	150-850	150-850	• MATH 96	
356-465	150-850	150-850	• MATH 96 • MATH 141	
466-850	150-485	150-555	• MATH 112	
466-850	150-485	556-850	• MATH 112 • MATH 114	
466-850	486-535	150-555	• MATH 112 • MATH 114	Quantitative Reasoning A satisfied
466-850	486-535	556-850	• MATH 112 • MATH 114	Quantitative Reasoning A satisfied
466-850	536-850	150-155	• MATH 113 • MATH 114 • MATH 211	Quantitative Reasoning A satisfied
466-850	536-850	556-820	• MATH 211 • MATH 221	Quantitative Reasoning A satisfied

ENGLISH PLACEMENT TESTS

There are two tests used to determine the placement of a student into courses focused on the development of skills needed for success in college-level communications:

1. UW English Placement Test (UWEPT)
2. UW–Madison English as a Second Language Assessment Test (MSNESLAT)

UW English Placement Test (UWEPT)

This test is required for a student admitted to undergraduate degree-granting programs who is (one of the following):

1. Admitted as a first-year student and is not required to take the MSNESLAT (see next section); or
2. Admitted as transfer student and is not required to take the MSNESLAT (see next section), and
   a. Has not previously completed the UW System English placement test.
   b. Has not earned credit for the UW–Madison equivalent of a Communication A (p. 34) course.

English

Score	Placement Into
001-604	Must take Communication A course
605-850	Communication A requirement satisfied

Note: If your score is 0 or between 851-999, please consult your advisor. These scores are not valid, and something was entered incorrectly on your record.

UW–Madison English as a Second Language Assessment Test (MSNESLAT)

This test is required for an undergraduate student who must submit a Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS) or Duolingo English Test (DET) score for admission to UW-Madison.

First-year applicants educated in non-English speaking countries must submit an official TOEFL, IELTS, or DET score, unless English was the primary language of instruction in all four years of secondary school. Transfer applicants may have the test waived if English was the primary language of instruction in all four years of secondary school or a college-level English composition course was successfully completed at an accredited U.S. institution. This requirement will not be waived for Advanced Placement, International Baccalaureate, or A-level scores.

The MSNESLAT is designed to evaluate English language proficiency, and to place a student into English as a Second Language courses that focus on written and spoken English used in academic contexts. A student who takes the MSNESLAT and obtains a score of less than 99 (Exempt) must satisfy the university's expectation of college-level English language proficiency by completing ESL 118 Academic Writing II.

English as a Second Language (ESL)

Score	Placement Into
99	Exempt from ESL 118 and Communication A satisfied
110	ESL 110 (Intensive English as a Second Language)
114	ESL 114 (Intermediate English Language Skills)
115	ESL 115 (Grammar for Academic Use)
116	ESL 116 (Academic Reading and Vocabulary Skills)
117	ESL 117 (Academic Writing I)
118	ESL 118 (Academic Writing II)

Note: If your score is between 1-98 or 119-999, please consult your advisor. These scores are not valid, and something was entered incorrectly on your record.

DEPARTMENTAL PLACEMENT TESTS

Academic units that offer a sequence of courses may choose to propose and offer a placement test to determine which course in the sequence is an appropriate starting point for an individual student.

Chinese

Score	Placement Into
10	ASIALANG 101 (First Semester Chinese)
20	ASIALANG 111 (Elementary Chinese II)
30	ASIALANG 102 (Second Semester Chinese)
40	ASIALANG 201 (Third Semester Chinese)
50	ASIALANG 202 (Fourth Semester Chinese)
60	ASIALANG 301 (Fifth Semester Chinese)
70	ASIALANG 302 (Sixth Semester Chinese)

Computer Sciences

Score	Placement Into
10	COMP SCI 200 (Programming I)
20	COMP SCI 300 (Programming II)

Filipino

Score	Placement Into
10	ASIALANG 123 (First Semester Filipino)
30	ASIALANG 124 (Second Semester Filipino)
40	ASIALANG 223 (Third Semester Filipino)
50	ASIALANG 224 (Fourth Semester Filipino)
60	ASIALANG 323 (Fifth Semester Filipino)
70	ASIALANG 324 (Sixth Semester Filipino)

Hindi

Score	Placement Into
10	ASIALANG 133 (First Semester Hindi)
30	ASIALANG 134 (Second Semester Hindi)
40	ASIALANG 233 (Third Semester Hindi)
50	ASIALANG 234 (Fourth Semester Hindi)
60	ASIALANG 333 (Fifth Semester Hindi)
70	ASIALANG 334 (Sixth Semester Hindi)

Hmong

Score	Placement Into
10	ASIALANG 125 (First Semester Hmong)
30	ASIALANG 126 (Second Semester Hmong)
40	ASIALANG 225 (Third Semester Hmong)
50	ASIALANG 226 (Fourth Semester Hmong)
60	ASIALANG 325 (Fifth Semester Hmong)
70	ASIALANG 326 (Sixth Semester Hmong)

Indonesian

Score	Placement Into
10	ASIALANG 127 (First Semester Indonesian)
30	ASIALANG 128 (Second Semester Indonesian)
40	ASIALANG 227 (Third Semester Indonesian)
50	ASIALANG 228 (Fourth Semester Indonesian)
60	ASIALANG 348 (Fifth Semester Indonesian)
70	ASIALANG 328 (Sixth Semester Indonesian)
80	ASIALANG 421 (Seventh Semester Asian Language)
90	ASIALANG 422 (Eighth Semester Asian Language)

Japanese

Score	Placement Into
10	ASIALANG 103 (First Semester Japanese)
20	ASIALANG 114 (Second Semester Elementary Japanese)
30	ASIALANG 104 (Second Semester Japanese)
40	ASIALANG 203 (Third Semester Japanese)
50	ASIALANG 204 (Fourth Semester Japanese)
60	ASIALANG 303 (Fifth Semester Japanese)
70	ASIALANG 304 (Sixth Semester Japanese)

Korean

Score	Placement Into
10	ASIALANG 105 (First Semester Korean)
30	ASIALANG 106 (Second Semester Korean)
40	ASIALANG 205 (Third Semester Korean)
50	ASIALANG 206 (Fourth Semester Korean)
60	ASIALANG 305 (Fifth Semester Korean)
70	ASIALANG 306 (Sixth Semester Korean)
80	ASIALANG 405 (Seventh Semester Korean)
90	ASIALANG 406 (Eighth Semester Korean)

Modern Hebrew

Score	Placement Into
10	HEBR-MOD 101 (First Semester Hebrew)
20	HEBR-MOD 102 (Second Semester Hebrew)
30	HEBR-MOD 201 (Third Semester Hebrew)
40	HEBR-MOD 202 (Fourth Semester Hebrew)
50	HEBR-MOD/JEWISH 301 (Introduction to Hebrew Literature)
60	HEBR-MOD/JEWISH 302 (Introduction to Hebrew Literature)
70	HEBR-MOD/JEWISH 401 (Topics in Modern Hebrew / Israeli Literature and Culture I)
80	HEBR-MOD/JEWISH 402 (Topics in Modern Hebrew / Israeli Literature and Culture II)

Piano

Score	Placement Into
10	MUS PERF 101 (Beginning Class Piano)
20	MUS PERF 102 (Beginning Class Piano)
30	MUS PERF 103 (Elementary Class Piano)
40	MUS PERF 104 (Intermediate Class Piano)

Persian

Score	Placement Into
10	ASIALANG 137 (First Semester Persian)
30	ASIALANG 138 (Second Semester Persian)
40	ASIALANG 237 (Third Semester Persian)
50	ASIALANG 238 (Fourth Semester Persian)
60	ASIALANG 337 (Fifth Semester Persian)
70	ASIALANG 338 (Sixth Semester Persian)

Thai

Score	Placement Into
10	ASIALANG 129 (First Semester Thai)
30	ASIALANG 130 (Second Semester Thai)
40	ASIALANG 229 (Third Semester Thai)
50	ASIALANG 230 (Fourth Semester Thai)
60	ASIALANG 329 (Fifth Semester Thai)
70	ASIALANG 330 (Sixth Semester Thai)

Tibetan

Score	Placement Into
10	ASIALANG 135 (First Semester Modern Tibetan)
30	ASIALANG 136 (Second Semester Modern Tibetan)
40	ASIALANG 235 (Third Semester Modern Tibetan)
50	ASIALANG 236 (Fourth Semester Modern Tibetan)
60	ASIALANG 335 (Fifth Semester Tibetan)
70	ASIALANG 336 (Sixth Semester Tibetan)

Urdu

Score	Placement Into
10	ASIALANG 139 (First Semester Urdu)
30	ASIALANG 140 (Second Semester Urdu)
40	ASIALANG 239 (Third Semester Urdu)
50	ASIALANG 240 (Fourth Semester Urdu)
60	ASIALANG 339 (Fifth Semester Urdu)
70	ASIALANG 340 (Sixth Semester Urdu)

Vietnamese

Score	Placement Into
10	ASIALANG 131 (First Semester Vietnamese)
30	ASIALANG 132 (Second Semester Vietnamese)
40	ASIALANG 231 (Third Semester Vietnamese)
50	ASIALANG 232 (Fourth Semester Vietnamese)
60	ASIALANG 331 (Fifth Semester Vietnamese)
70	ASIALANG 332 (Sixth Semester Vietnamese)
80	ASIALANG 421 (Seventh Semester Asian Language)
90	ASIALANG 422 (Eighth Semester Asian Language)

RETROACTIVE LANGUAGE CREDIT

Undergraduates at UW-Madison who have gained prior knowledge in a language other than English may be eligible to earn retrocredits. To earn these credits, students must take a language course at UW-Madison above the first-semester level in which they have some proficiency.

The course must be designated with the Foreign Language attribute of 2nd, 3rd, 4th, or 5th semester language course and must be the first course in that language taken by the student after graduating from high school. Students interested in taking one of these courses may need to take a placement test and should consult with a language advisor at SOAR.

To be eligible, students must enroll in the language course prior to earning 30-degree credits and earn a grade of B or better. While transfer credits are included in the 30 credits, credits earned by students admitted as first-year students who took college level credits while in high school are not included. Test and other credit such as AP, CLEP or retrocredits from another language are also not included.

Native speakers of a language are not eligible to earn retro credits in that language.

UW–Madison honors retro credits earned at previous UW institutions if the student enrolled in the course prior to earning 30 credits and earned a grade of B or better.

ADVANCED PLACEMENT (AP)

UW–Madison offers degree credit for Advanced Placement (https://apcentral.collegeboard.org/courses/) (AP) Exams. AP exams must be taken before graduation from high school or obtaining an equivalent credential. Students who receive credit for a particular course through AP and take the same course at UW–Madison will not receive degree credit twice; however, the grade in the UW–Madison course will be included in the overall grade point average.

Arts

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
2-D Art and Design	3-5	GEN ELCT X12	3			Elementary
3-D Art and Design	3-5	GEN ELCT X12	3			Elementary
Drawing	3-5	GEN ELCT X12	3			Elementary
Art History	3	HUM X11	3		Humanities	Elementary
Art History	4-5	ART HIST X14	4		Humanities	Elementary
Music Theory	3-5	MUSIC 15	3		Humanities	Elementary

English

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
English Language and Composition	3	ENGL X02	3			Elementary
English Language and Composition	4-5	ENGL X04	3	Communicat A		Elementary
English Literature and Composition	3	LIT X10	3		Literature	Elementary
English Literature and Composition	4-5	ENGL X25	3	Communicat A	Literature	Elementary

History and Social Sciences

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
African American Studies	3-5	AFROAMER X27	3		Humanities or Social Sciences	Elementary
Comparative Government and Politics	3	POLI SCI X20	3		Social Sciences	Elementary
Comparative Government and Politics	4-5	POLI SCI 120			Social Sciences	Elementary
European History	3	GEN ELCT X12	3			Elementary
European History	4-5	HISTORY X13	3			Elementary
Human Geography	3	GEOG X12	3			Elementary
Human Geography	4-5	GEOG X22	3		Social Sciences	Elementary
Macroeconomics	3	GEN ELCT X12	3			Elementary
Macroeconomics	4-5	ECON 102	4		Social Sciences	Elementary
Microeconomics	3	GEN ELCT X12	3			Elementary
Microeconomics	4-5	ECON 101	4	Quantitative Reasoning B	Social Sciences	Elementary
Psychology	3	PSYCH X19	3		Social Sciences	Elementary
Psychology	4-5	PSYCH 202	3		Social Sciences	Elementary
United States Government and Politics	3	POLI SCI X20	3		Social Sciences	Elementary
United States Government and Politics	4-5	POLI SCI 104			Social Sciences	Elementary
United States History	3	GEN ELCT X12	3			Elementary
United States History	4-5	HISTORY X13	3			Elementary
World History: Modern	3	GEN ELCT X12	3			Elementary
World History: Modern	4-5	HISTORY X13	3			Elementary

Math and Computer Science

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Precalculus	3	MATH X05	3	Quantitative Reasoning A		Elementary
Precalculus	4-5	MATH 114	5	Quantitative Reasoning A		Elementary
Calculus AB and AB Subscore[1]	3	MATH X03	3	Quantitative Reasoning A	Natural Sciences	Intermediate
Calculus AB and AB Subscore[1]	4-5	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Calculus BC[1]	3	MATH X03	3	Quantitative Reasoning A	Natural Sciences	Intermediate
Calculus BC[1]	4-5	MATH 221 and MATH 222	9	Quantitative Reasoning B	Natural Sciences	Intermediate
Computer Science A	3-5	COMP SCI 200	3	Quantitative Reasoning B	Natural Sciences	Elementary

Computer Science Principles	3	GEN ELCT X12	3			Elementary
Computer Science Principles	4-5	COMP SCI/ L I	3	Quantitative Reasoning A	Natural Sciences	Elementary
Statistics	3	STAT X10	3			Elementary
Statistics	4-5	STAT 301	3	Quantitative Reasoning B	Natural Sciences	Intermediate

[1] A maximum of 9 credits will be awarded between AP Calculus AB, AB Subscore, and BC.

Sciences

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Biology	3	BIO SCI X01	3		Biological Sciences	Elementary
Biology	4-5	BIOLOGY/ BOTAN ZOOLC	5		Biological Sciences	Elementary
Chemistry	3	CHEM X15	3		Physical Sciences	Elementary
Chemistry	4-5	CHEM 103	3		Physical Sciences	Elementary
Environmental Science	3-5	BIO SCI X12	3		Biological Sciences	Elementary
Physics 1: Algebra-Based[2]	3	PHYSICS X15	3		Physical Sciences	Elementary
Physics 1: Algebra-Based[2]	4-5	PHYSICS 103	4	Quantitative Reasoning B	Physical Sciences	Elementary
Physics 2: Algebra-Based	3	PHYSICS X15	3		Physical Sciences	Elementary
Physics 2: Algebra-Based	4-5	PHYSICS 104	4		Physical Sciences	Elementary
Physics C: Electricity and Magnetism[2]	3	PHYSICS X15	3		Physical Sciences	Elementary
Physics C: Electricity and Magnetism[2]	4-5	PHYSICS 208	5		Physical Sciences	Intermediate
Physics C: Mechanics[2]	3	PHYSICS X15	3		Physical Sciences	Elementary
Physics C: Mechanics[2]	4-5	PHYSICS 207	5	Quantitative Reasoning B	Physical Sciences	Intermediate

[2] Students may earn credit for either AP Physics 1 or AP Physics C Mechanics. Students may also earn credit for either AP Physics 2 or AP Physics C Electricity and Magnetism.

World Languages and Cultures

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Chinese Language and Culture	3	ASIALANG X10	2			Elementary
Chinese Language and Culture	4-5	ASIALANG X10	4			Elementary
French Language and Culture	3	FRENCH 203	4			Intermediate
French Language and Culture	4	FRENCH 2	4			Intermediate
French Language and Culture	5	FRENCH 228	4			Intermediate
German Language and Culture	3	GERMAN X13	3			Intermediate
German Language and Culture	4-5	GERMAN 249	3			Intermediate
Italian Language and Culture	3-4	ITALIAN 2	4			Intermediate
Italian Language and Culture	5	ITALIAN 452	4			Intermediate
Japanese Language and Culture	3	ASIALANG X10	2			Elementary
Japanese Language and Culture	4-5	ASIALANG X10	4			Elementary
Latin	3-5	LATIN 103 and LATIN 104	8			Elementary
Spanish Language and Culture	3-4	SPANISH 204	4			Intermediate
Spanish Language and Culture	5	SPANISH	3			Advanced
Spanish Literature and Culture	3	SPANISH 204	4			Intermediate
Spanish Literature and Culture	4-5	SPANISH	3		Literature	Advanced

AP Capstone Diploma Program

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Research	3-5	GEN ELCT X10	3			
Seminar	3-5	GEN ELCT X12	3			Elementary

INTERNATIONAL BACCALAUREATE (IB)

UW–Madison offers degree credit for International Baccalaureate Higher Level (https://www.ibo.org/programmes/diploma-programme/) (IB) Exams. IB Higher Level exams must be taken before graduation from high school or obtaining an equivalent credential. Students who receive

credit for a particular course through IB and take the same course at UW–Madison will not receive degree credit twice; however, the grade in the UW–Madison course will be included in the overall grade point average.

The Arts

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Film	4-7	GEN ELCT X12	3			Elementary
Music	4-7	MUSIC X14	3			Elementary
Theatre	4-7	THEATRE X11	3			Elementary
Visual Arts	4-7	GEN ELCT X12	3			Elementary

Extended Essay

Students who receive an IB Diploma with a minimum score of 28 are eligible for 3 additional elective credits.

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Overall Diploma	28-45	HUM X11	3		Humanities	Elementary
Overall Diploma	28-45	NATSCI X11	3		Natural Sciences	Elementary
Overall Diploma	28-45	SOC ST X11	3		Social Sciences	Elementary

Individuals and Societies

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Business Management	4-7	GEN BUS X10	3			
Economics	4-7	ECON 101 and ECON 102	8	Quantitative Reasoning B	Social Sciences	Elementary
Geography	4-7	GEOG 104 and GEOG/ ENVIR ST 127	8		Social Sciences and Physical Sciences	Elementary
Global Politics	4-7	POLI SCI&	4		Social Sciences	Elementary
History	4-7	HISTORY X24	6		Social Sciences	Elementary
Information Technology in a Global Society	4-7	COMP SCI X12	3			Elementary
Philosophy	4-7	PHILOS 101	4		Humanities or Social Sciences	Elementary
Psychology	4-7	PSYCH 2(	4		Social Sciences	Elementary
Social and Cultural Anthropology	4-7	ANTHRO 104	3	Ethnic Studies	Social Sciences	Elementary

Language Acquisition

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Chinese B: Mandarin	4-7	ASIAN X16	6			Advanced
English B	4-7	ENGL X02	6			Elementary
French B	4-7	FRENCH X10	6			Advanced
German B	4-7	GERMAN X10	6			Advanced
Indonesian B	4-7	ASIAN X16	6			Advanced
Italian B	4-7	ITALIAN X10	6			Advanced
Japanese B	4-7	ASIAN X16	6			Advanced
Korean B	4-7	ASIAN X16	6			Advanced
Latin	4-7	LATIN X12	6		Literature	Advanced
Portuguese B	4-7	PORTUG X10	6			Advanced
Spanish B	4-7	SPANISH X10	6			Advanced

Mathematics

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Math[1]	4-7	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Math with Further Math[1]	4-7	MATH 221 and MATH 222	9	Quantitative Reasoning B	Natural Sciences	Intermediate
Mathematics: Analysis and Approaches	4	MATH X03	3	Quantitative Reasoning A	Natural Sciences	Intermediate
Mathematics: Analysis and Approaches	5-7	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Mathematics: Applications and Interpretation	4	MATH X03	3	Quantitative Reasoning A	Natural Sciences	Intermediate
Mathematics: Applications and Interpretatio	5-7	MATH 211	4	Quantitative Reasoning B	Natural Sciences	Intermediate

[1] The Math and Math with Further Math IB exams have been discontinued and are no longer being offered. Credit will still be given for these exams.

Sciences

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Biology	4-7	ZOOLOGY/ BIOLOGY/ BOTANY 151	5		Biological Sciences	Elementary
Chemistry	4 or 5	CHEM 103	4		Physical Sciences	Elementary
Chemistry	6 or 7	CHEM 103 & CHEM 104	9		Physical Sciences	Elementary
Computer Science	4-7	COMP SC	3	Quantitative Reasoning B	Natural Sciences	Elementary
Design Technology	4-7	GEN ELCT X12	3			Elementary
Physics	4-7	PHYSICS and PHYSICS	8	Quantitative Reasoning B	Physical Sciences	Elementary

Studies in Language and Literature

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Chinese A: Literature	4-7	ASIAN X19	6		Literature	Advanced
Chinese A: Language and Literature	4-7	ASIAN X19	6		Literature	Advanced
English A: Literature	4	ENGL X25	3	Communication A	Literature	Elementary
English A: Literature	5-7	ENGL X19 and ENGL X25	6	Communication A	Literature	Elementary
English A: Language and Literature	4	ENGL X25	3	Communication A	Literature	Elementary
English A: Language and Literature	5-7	ENGL X19 and ENGL X25	6	Communication A	Literature	Elementary
French A: Literature	4-7	FRENCH X17	6		Literature	Advanced
French A: Language and Literature	4-7	FRENCH X17	6		Literature	Advanced
German A: Literature	4-7	GERMAN X17	6		Literature	Advanced
German A: Language and Literature	4-7	GERMAN X17	6		Literature	Advanced
Indonesian A: Literature	4-7	ASIAN X19	6		Literature	Advanced
Italian A: Literature	4-7	ITALIAN X16	6		Literature	Advanced
Italian A: Language and Literature	4-7	ITALIAN X16	6		Literature	Advanced
Japanese A: Literature	4-7	ASIAN X19	6		Literature	Advanced
Japanese A: Language and Literature	4-7	ASIAN X19	6		Literature	Advanced
Korean A: Literature	4-7	ASIAN X19	6		Literature	Advanced
Korean A: Language and Literature	4-7	ASIAN X19	6		Literature	Advanced
Portuguese A: Literature	4-7	PORTUG X12	6		Literature	Advanced
Portuguese A: Language and Literature	4-7	PORTUG X12	6		Literature	Advanced
Spanish A: Literature	4-7	SPANISH X17	6		Literature	Advanced
Spanish A: Language and Literature	4-7	SPANISH X17	6		Literature	Advanced

GCE ADVANCED LEVEL (A-LEVEL)

Advanced Level examinations, or A-Levels, are a key aspect of the British education system, serving as subject-specific qualifications usually taken by students in the final two years of secondary education. These exams are highly regarded internationally for their academic rigor. Credit is earned from A-Levels exams with grades ranging from A to E. Advanced Subsidiary (AS) Levels are not eligible for credit.

The UW-Madison credit earned from A-Level exams is determined by faculty review. For A-Level exams not listed in our current table, students can seek credit evaluation. In these instances, they are advised to contact the Office of the Registrar Credit Evaluation Services (https://registrar.wisc.edu/transfer-your-credit-to-uw-madison/) to begin the faculty review process, which may lead to credit approval for these additional exams.

Assessment and Qualifications Alliance (AQA)

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Biology	A-E	BIOLOGY/ BOTANY 130, BIOLOGY/ ZOOLOGY 101 and BIOLOGY/ ZOOLOGY 102	10		Biological Sciences	Elementary
Chemistry	A-D	CHEM 103 and CHEM 104	9		Physical Sciences	Elementary
Chemistry	E	CHEM 103	5		Physical Sciences	Elementary
Computer Science	A-E	COMP SC L	3	Quantitative Reasoning A	Natural Sciences	Elementary
Drama & Theatre	A-E	THEATRE X18	4		Literature	Elementary
Economics	A-F	ECON 101 and ECON 102	8	Quantitative Reasoning B	Social Sciences	Elementary
English Literature	A-E	ENGL X19	10		Literature	Elementary
French	A-E	FRENCH X06	3		Humanities	Advanced
German	A-E	GERMAN X19	3		Literature	Intermediate
History	A-E	HISTORY X29	3		Humanities or Social Sciences	Elementary
Mathematics	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Further Mathematics	A-E	MATH 222	4	Quantitative Reasoning B	Natural Sciences	Intermediate
Media Studies	A-E	COM ARTS 250			Humanities	Elementary
Philosophy	A-E	PHILOS 1(and PHILOS 2	6		Humanities or Social Sciences	Elementary, Intermediate

Physics	A-E	PHYSICS 1038 and PHYSICS 104		Quantitative Reasoning B	Physical Sciences	Elementary
Psychology	A-E	PSYCH 2(and PSYCH X15	8		Social Sciences, Biological Sciences	Elementary
Statistics	A-E	STAT 301	3	Quantitative Reasoning B	Natural Sciences	Intermediate

Cambridge Assessment International Education (CAIE)

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Accounting	A-E	ACCT I 3 100				
Art & Design	A-E	GEN ELCT X10	3			
Biology	A-E	BOTANY/ BIOLOGY 130, BIOLOGY/ ZOOLOGY 101, and BIOLOGY/ ZOOLOGY 102	10		Biological Sciences	Elementary
Business	A-E	GEN BUS X10	3			
Chemistry	A-D	CHEM 103 and CHEM 104	9		Physical Sciences	Elementary
Chemistry	E	CHEM 10	4		Physical Sciences	Elementary
Chinese	A-E	ASIALANG X11	3			Intermediate
Computer Science	A-E	COMP SC L	3	Quantitative Reasoning A	Natural Sciences	Elementary
Economics	A-E	ECON 101 and ECON 102	8	Quantitative Reasoning B	Social Sciences	Elementary
English as a Second Language	A-E	No credit				
English Language	A-E	ENGL X15	3		Humanities	Elementary
English Literature	A-E	ENGL X19	10		Literature	Elementary
Geography	A-E	GEOG X18 and GEOG X22	10		Physical Sciences and Social Sciences	Elementary
Global Perspectives and Research	A-E	GEN ELCT X12	3			Elementary
History	A-E	HISTORY X29	3		Humanities or Social Sciences	Elementary
Information Technology	A-E	No Credit	0			
Mathematics	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Further Mathematics	A-E	MATH X15	5		Natural Sciences	Intermediate
Physics	A-E	PHYSICS 1038 and PHYSICS 104		Quantitative Reasoning B	Physical Sciences	Elementary
Psychology	A-E	PSYCH 2(and PSYCH X15	8		Social Sciences, Biological Sciences	Elementary
Sociology	A-E	SOC/ C&E SOC 3	3		Social Sciences	Intermediate
Travel and Tourism	A-E	No Credit	0			

Oxford, Cambridge and RSA Examinations (OCR)

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Biology	A-E	BOTANY/ BIOLOGY 130, BIOLOGY/ ZOOLOGY 101, and BIOLOGY/ ZOOLOGY 102	10		Biological Sciences	Elementary
Chemistry	A-D	CHEM 103 and CHEM 104	9		Physical Sciences	Elementary
Chemistry	E	CHEM 103	4		Physical Sciences	Elementary
English Literature	A-E	ENGL X19	10		Literature	Elementary
History	A-E	HISTORY X29	10		Humanities or Social Sciences	Elementary
Mathematics A	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Further Mathematics A	A-E	MATH 222	4	Quantitative Reasoning B	Natural Sciences	Intermediate
Mathematics B	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Further Mathematics B	A-E	MATH 222	4	Quantitative Reasoning B	Natural Sciences	Intermediate
Media Studies	A-E	JOURN X14	6			Elementary
Physics	A-E	PHYSICS 1038 and PHYSICS 104		Quantitative Reasoning B	Physical Sciences	Elementary
Psychology	A-E	PSYCH 2(and PSYCH X15	8		Social Sciences, Biological Sciences	Elementary
Religious Studies	A-E	RELIG ST X15	3		Humanities	Elementary

OxfordAQA

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Mathematics	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate

Further Mathematics	A-E	MATH 222	4	Quantitative Reasoning B	Natural Sciences	Intermediate

Pearson-Edexcel

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Accounting	A-E	ACCT I 3 100				
Biology	A-E	BOTANY/ BIOLOG BIOLOGY/ ZOOLC and BIOLOGY/ ZOOLC	10		Biological Sciences	Elementary
Business	A-E	GEN BUS X10 and GEN BUS 311	6		Social Sciences	Intermediate
Chemistry	A-D	CHEM 103 and CHEM 104	9		Physical Sciences	Elementary
Chemistry	E	CHEM 103	4		Physical Sciences	Elementary
Economics A	A-E	ECON 101 and ECON 102	8	Quantitative Reasoning B	Social Sciences	Elementary
Economics B	A-E	ECON 101 and ECON X16	8	Quantitative Reasoning B	Social Sciences	Elementary
English Literature	A-E	ENGL X19	3		Literature	Elementary
Geography	A-E	GEOG X18 and GEOG X22	10		Physical Sciences and Social Sciences	Elementary
History	A-E	HISTORY X29	10		Humanities or Social Sciences	Elementary
Mathematics	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Further Mathematics	A-E	MATH X15	5		Natural Sciences	Intermediate
Politics	A-E	POLI SCI X20	3		Social Sciences	Elementary
Physics	A-E	PHYSICS and PHYSICS	8	Quantitative Reasoning B	Physical Sciences	Elementary
Psychology	A-E	PSYCH 202	3		Social Sciences	Elementary
Russian	A-E	SLAVIC X32	3			Intermediate
Spanish	A-E	SPANISH 226	3			Advanced

Singapore-Cambridge

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Biology H2	A-E	BOTANY/ BIOLOGY 130, BIOLOGY/ ZOOLOGY 101, and BIOLOGY/ ZOOLOGY 102	10		Biological Sciences	Elementary
Chemistry H2	A-D	CHEM 103 and CHEM 104	9		Physical Sciences	Elementary
Chemistry H2	E	CHEM 103	4		Physical Sciences	Elementary
Economics H2	A-E	ECON 101 and ECON 102	8	Quantitative Reasoning B	Social Sciences	Elementary
English H2	A-E	ENGL X19	6		Literature	Elementary
Geography H2	A-E	GEOG X18 and GEOG X22	10		Physical Sciences and Social Sciences	Elementary
History H2	A-E	HISTORY X29	10		Humanities or Social Sciences	Elementary
Mathematics H2	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Physics H2	A-E	PHYSICS 1038 and PHYSICS 104		Quantitative Reasoning B	Physical Sciences	Elementary

Welsh Joint Education Committee

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
Physics	A-E	PHYSICS 1038 and PHYSICS 104		Quantitative Reasoning B	Physical Sciences	Elementary
Chemistry	A-D	CHEM 103 & CHEM 104	9		Physical Sciences	Elementary
Chemistry	E	CHEM 103	4		Physical Sciences	Elementary
Economics	A-E	ECON 102 & ECON X16	7		Social Sciences	Elementary
History	A-E	HISTORY X29	3		Humanities or Social Sciences	Elementary
Mathematics	A-E	MATH 221	5	Quantitative Reasoning B	Natural Sciences	Intermediate
Further Mathematics	A-E	MATH 222	4	Quantitative Reasoning B	Natural Sciences	Intermediate

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

The College-Level Examination Program (CLEP) (https://clep.collegeboard.org/) allows students who have gained college-level knowledge outside the classroom to take examinations for possible college credit. To qualify for credit, students achieve a minimum score of 65 and take their CLEP examination before they accumulate 16 semester credits post-graduation from high school or after obtaining an equivalent credential.

The following credits are excluded from the 16-credit limit for CLEP eligibility:

- credits earned from dual enrollment courses taken in high school.
- test credits such as those from Advanced Placement (AP), International Baccalaureate (IB) and Advanced Levels.
- Credits in-progress at the time the CLEP exam is taken.

College-Level Examination Program (CLEP Credit Table)

Exam/ Subject	Score	Course	Credits	General Education	L&S Breadth	L&S Level
American Government	65	POLI SCI X20	3		Social Sciences	Elementary
American Literature	65	ENGL X19	3		Literature	Elementary
Analyzing and Interpreting Literature	65	ENGL X19	3		Literature	Elementary
Biology	65	BIO SCI X12	3		Biological Sciences	Elementary
Calculus	65	MATH X12	3			Elementary
College Algebra	65	MATH 112	3	Quantitative Reasoning A		Elementary
English Literature	65	ENGL X19	3		Literature	Elementary
Humanities	65	HUM X11	3		Humanities	Elementary
Precalculus	65	MATH 112	3	Quantitative Reasoning A		Elementary
Principles of Macroecono	65	ECON X16	3		Social Sciences	Elementary
Principles of Microeconomics	65	ECON X16	3		Social Sciences	Elementary
Natural Sciences	65	NATSCI X11	3		Natural Sciences	Elementary
Introduction to Psychology	65	PSYCH X19	3		Social Sciences	Elementary
Social Sciences and History	65	SOC ST X11	3		Social Sciences	Elementary
Spanish	65	SPANISH X11	3			Elementary
Introduction to Sociology	65	SOC X17	3		Social Sciences	Elementary

CREDIT BY EXAM

This is a summary of the Credit by Exam policy. Click here (https://policy.wisc.edu/library/UW-1005/) *to view the official policy in its entirety in the UW-Madison Policy Library.*

Students may acquire knowledge, skills, and competencies through a variety of experiences that are academic in nature but may not necessarily correspond to a setting in which UW–Madison awards traditional credit. Credit by examination is one opportunity for students to demonstrate mastery of material that is equivalent to what would be learned in a specific UW–Madison course.

Departments must propose and have approved the exams they offer. Listed below are the courses that have been approved for credit by exam.

Animal and Dairy Science

Code	Title	Credits
AN SCI/DY SCI 101	Introduction to Animal Sciences	3

For more information on how to earn credit by exam for this course, see the exam information (https://andysci.wisc.edu/animal-science-dairy-science-101-credit-by-exam/).

Chemistry

Code	Title	Credits
CHEM 105	General Chemistry I [1]	3
CHEM 106	General Chemistry II [2]	4

For more information on how to earn credit by exam for these courses, see the exam information (https://chem.wisc.edu/chemistry-credit-by-examination/).

1. CHEM 101 General Chemistry I Laboratory + CHEM 105 General Chemistry I = CHEM 103 General Chemistry I
2. CHEM 102 General Chemistry II Laboratory + CHEM 106 General Chemistry II = CHEM 104 General Chemistry II

Educational Psychology

Code	Title	Credits
ED PSYCH 640	Foundations of Instructional Coaching	3

For more information on how to earn credit by exam for this course, contact Lisa Hebgen, Educational Psychology: Professional Educator (MSPE) Director, lmhebgen@wisc.edu or 608-574-0355.

Math

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 340	Elementary Matrix and Linear Algebra	3

For more information on how to earn credit by exam for these courses, see the exam information (https://math.wisc.edu/undergraduate/creditexam/).

Social Work

Code	Title	Credits
SOC WORK 612	Psychopathology in Generalist Social Work Practice	2
SOC WORK 650	Methods of Social Work Research	3
SOC WORK 708	The Field of Social Work	2
SOC WORK 709	Social Policy	2
SOC WORK 710	Diversity, Oppression and Social Justice in Social Work	2
SOC WORK 711	Human Behavior and the Environment	2

For more information on how to earn credit by exam for these courses, see the exam information (https://socwork.wisc.edu/students/exemptions/).

Statistics

Code	Title	Credits
STAT 240	Data Science Modeling I	4

For more information on how to earn credit by exam for these courses, see the exam information (https://stat.wisc.edu/stat-240-credit-by-examination/).

MAJORS AND CERTIFICATES

MAJORS AND CERTIFICATES

Explore UW-Madison Undergraduate Opportunities (https://guide.wisc.edu/explore-majors/)

- Accounting Fundamentals, Certificate (p. 1401)
- Accounting, Certificate (p. 1402)
- African American Studies, BA (p. 379)
- African American Studies, BS (p. 383)
- African American Studies, Certificate (p. 387)
- African Cultural Studies, BA (p. 389)
- African Cultural Studies, BS (p. 394)
- African Studies, Certificate (p. 861)
- Aging Studies, Certificate (p. 1283)
- Agricultural and Applied Economics, BS (p. 52)
- Agricultural Business Management, BS (p. 56)
- Agroecology, BS (p. 195)
- Agronomy, BS (p. 201)
- American Indian and Indigenous Studies, Certificate (p. 401)
- Animal and Veterinary Biosciences, BS (p. 66)
- Animal Sciences, BS (p. 72)
- Anthropology, BA (p. 403)
- Anthropology, BS (p. 407)
- Applied Mathematics, Engineering, and Physics, BS AMEP (p. 1098)
- Applied Social Research, Certificate (p. 1321)
- Applied Social Science, BLS (p. 1064)
- Arabic Language and Culture, Certificate (p. 399)
- Archaeology, Certificate (p. 411)
- Architecture, Certificate (p. 274)
- Art Education, BS (p. 1519)
- Art History, BA (p. 413)
- Art History, BS (p. 420)
- Art History, Certificate (p. 426)
- Art Studio, Certificate (p. 1527)
- Art, BFA (p. 1529)
- Art, BS (p. 1543)
- Arts and Teaching, Certificate (p. 1555)
- Asian American Studies, Certificate (p. 429)
- Asian Languages and Cultures, BA (p. 432)
- Asian Languages and Cultures, BS (p. 446)
- Astronomy–Physics, BA (p. 489)
- Astronomy–Physics, BS (p. 494)
- Athletic Healthcare, Certificate (p. 1655)
- Atmospheric and Oceanic Sciences, BA (p. 499)
- Atmospheric and Oceanic Sciences, BS (p. 504)
- Biochemistry, BA (L&S) (p. 1067)
- Biochemistry, BS (CALS) (p. 108)
- Biochemistry, BS (L&S) (p. 1075)
- Biological Systems Engineering, BS (p. 117)
- Biology Core Curriculum Honors, Certificate (p. 526)
- Biology in Engineering for Engineering Majors, Certificate (p. 258)
- Biology, BA (L&S) (p. 986)
- Biology, BS (CALS) (p. 89)
- Biology, BS (L&S) (p. 1000)
- Biomedical Engineering, BS (p. 260)
- Botany, BA (p. 528)
- Botany, BS (p. 532)
- Business Administration: Human Resources, BBA (p. 1433)
- Business Administration: Management, BBA (p. 1435)
- Business Administration: Marketing, BBA (p. 1461)
- Business Fundamentals, Summer Certificate (p. 1410)
- Business Management for Agricultural and Life Sciences, Certificate (p. 60)
- Business Spanish, Certificate (p. 1338)
- Business, Certificate (p. 1411)
- Business: Accounting, BBA (p. 1403)
- Business: Actuarial Science, BBA (p. 1482)
- Business: Entrepreneurship, BBA (p. 1437)
- Business: Finance, Investment, and Banking, BBA (p. 1414)
- Business: Human Resource Management, BBA (p. 1440)
- Business: Information Systems, BBA (p. 1467)
- Business: International Business, BBA (p. 1418)
- Business: Management and Human Resources, BBA (p. 1444)
- Business: Management, BBA (p. 1455)
- Business: Marketing, BBA (p. 1463)
- Business: Operations and Technology Management, BBA (p. 1470)
- Business: Real Estate and Urban Land Economics, BBA (p. 1478)
- Business: Risk Management and Insurance, BBA (p. 1486)
- Business: Supply Chain Management, BBA (p. 1474)
- Cartography and Geographic Information Systems, BA (p. 748)
- Cartography and Geographic Information Systems, BS (p. 752)
- Chemical Engineering, BS (p. 268)
- Chemistry, BA (p. 567)
- Chemistry, BS (p. 574)
- Chicana/o and Latina/o Studies, Certificate (p. 581)
- Chicanx/e and Latinx/e Studies, BA (p. 583)
- Chicanx/e and Latinx/e Studies, BS (p. 588)
- Chinese Professional Communication, Certificate (p. 460)
- Chinese, BA (p. 463)
- Chinese, BS (p. 470)
- Civil Engineering, BS (p. 276)
- Classical Humanities, BA (p. 593)
- Classical Humanities, BS (p. 598)
- Classical Studies, Certificate (p. 604)
- Classics, BA (p. 606)
- Classics, BS (p. 610)
- Communication Arts, BA (p. 621)
- Communication Arts, BS (p. 631)
- Communication Sciences and Disorders, BA (p. 647)
- Communication Sciences and Disorders, BS (p. 651)

- Communication Sciences and Disorders, BSE (p. 1559)
- Community and Environmental Sociology, BS (p. 128)
- Community and Organizational Development, BS (p. 1722)
- Computer Engineering, BS (p. 296)
- Computer Sciences, BA (p. 655)
- Computer Sciences, BS (p. 660)
- Computer Sciences, Certificate (p. 664)
- Conservation Biology, BA (p. 536)
- Conservation Biology, BS (p. 542)
- Consulting, Certificate (p. 1412)
- Consumer Behavior and Marketplace Studies, BS (p. 1726)
- Consumer Finance and Financial Planning, BS (p. 1730)
- Consumer Marketplace Studies, BS (p. 1733)
- Criminal Justice, Certificate (p. 548)
- Dairy and Food Animal Management, BS (p. 78)
- Dairy Science, BS (p. 83)
- Dance Education, Certificate (p. 1609)
- Dance Studies, Certificate (p. 1610)
- Dance, BFA (p. 1612)
- Dance, BS (p. 1618)
- Dance, Certificate (p. 1624)
- Data Science, BA (p. 1354)
- Data Science, BS (p. 1359)
- Data Science, Certificate (p. 1364)
- Design Strategy, Certificate (p. 1741)
- Design, Innovation, and Society, BS (p. 1743)
- Development Economics, Certificate (p. 61)
- Digital Cinema Production, Certificate (p. 642)
- Digital Media Analytics, Certificate (p. 1311)
- Digital Studies, Certificate (p. 644)
- Disability Rights and Services, Certificate (p. 1680)
- East Asian Studies, Certificate (p. 864)
- East Central European Languages, Literatures, and Cultures, Certificate (p. 781)
- Economic Analytics, Certificate (p. 667)
- Economics, BA (p. 668)
- Economics, BS (p. 675)
- Education and Educational Services, Certificate (p. 1652)
- Educational Policy Studies, BS (p. 1632)
- Educational Policy Studies, Certificate (p. 1640)
- Electrical Engineering, BS (p. 303)
- Elementary Education and Special Education, BSE (p. 1681)
- Elementary Education, BSE (p. 1567)
- Engineering Data Analytics, Certificate (p. 318)
- Engineering for Energy Sustainability, Certificate (p. 350)
- Engineering Mechanics, BS (p. 331)
- Engineering Physics, BS (p. 351)
- Engineering Thermal Energy Systems, Certificate (p. 341)
- English, BA (p. 682)
- English, BS (p. 691)
- Entomology, BS (p. 135)
- Entrepreneurship, Certificate (p. 1459)
- Environmental Engineering, BS (p. 283)
- Environmental Sciences, BA (L&S) (p. 509)
- Environmental Sciences, BS (CALS) (p. 229)
- Environmental Sciences, BS (L&S) (p. 517)
- Environmental Soil Science, Certificate (p. 237)
- Environmental Studies Major (p. 700)
- Environmental Studies, Certificate (p. 1377)
- European Studies, Certificate (p. 867)
- Fermented Foods and Beverages, Certificate (p. 151)
- Folklore, Certificate (p. 782)
- Food Science, BS (p. 153)
- Food Systems, Certificate (p. 132)
- Forest Science, BS (p. 157)
- French, BA (p. 709)
- French, BS (p. 714)
- French, Certificate (p. 718)
- Freshwater and Marine Sciences, Certificate (p. 1014)
- Game Design, Certificate (p. 1581)
- Gender and Women's Studies, BA (p. 728)
- Gender and Women's Studies, BS (p. 735)
- Gender and Women's Studies, Certificate (p. 743)
- Genetics and Genomics, BS (p. 170)
- Genetics in a Modern World, Certificate (p. 176)
- Geography, BA (p. 757)
- Geography, BS (p. 763)
- Geological Engineering, BS (p. 289)
- Geology and Geophysics, BA (p. 772)
- Geology and Geophysics, BS (p. 775)
- Geospatial Data Science, Certificate (p. 770)
- German, BA (p. 784)
- German, BS (p. 788)
- German, Certificate (p. 792)
- Global Cultures, Languages, and Education, Certificate (p. 1641)
- Global Health, BS (p. 140)
- Global Health, Certificate (p. 147)
- Graphic Design, Certificate (p. 1553)
- Health and the Humanities, Certificate (p. 977)
- Health Policy, Certificate (p. 1049)
- Health Promotion and Health Equity, BS (p. 1657)
- History, BA (p. 821)
- History, BS (p. 834)
- History, Certificate (p. 846)
- Horticulture, BS (p. 207)
- Human Development and Family Studies, BS (p. 1762)
- Individual Major, BA (p. 1084)
- Individual Major, BS (p. 63)
- Individual Major, BS (p. 1768)
- Individual Major, BS (p. 1086)
- Individual Major, BSE (p. 1627)
- Industrial Engineering, BS (p. 319)
- Information Science, BA (p. 852)
- Information Science, BS (p. 856)

- Integrated Liberal Studies, Certificate (p. 980)
- Integrated Studies in Science, Engineering, and Society, Certificate (p. 1323)
- Integrative Design of Built and Natural Environments, Certificate (p. 1233)
- Interior Architecture, BS (p. 1747)
- International Business, Certificate (p. 1413)
- International Development and Education, Certificate (p. 1649)
- International Engineering, Certificate (p. 312)
- International Studies, BA (p. 876)
- International Studies, BS (p. 914)
- Introductory Studies in Dance/Movement Therapy, Certificate (p. 1626)
- Italian, BA (p. 719)
- Italian, BS (p. 723)
- Italian, Certificate (p. 726)
- Japanese Professional Communication, Certificate (p. 476)
- Japanese, BA (p. 479)
- Japanese, BS (p. 484)
- Jewish Studies, BA (p. 1200)
- Jewish Studies, BS (p. 1204)
- Jewish Studies, Certificate (p. 1208)
- Journalism, JBA (p. 1312)
- Journalism, JBS (p. 1316)
- Kinesiology, BS (p. 1663)
- Landscape and Urban Studies, BA (p. 1235)
- Landscape and Urban Studies, BS (p. 1240)
- Landscape Architecture, BLA (p. 1245)
- Languages and Cultures of Northern Europe, Certificate (p. 793)
- Latin American, Caribbean, and Iberian Studies, BA (p. 953)
- Latin American, Caribbean, and Iberian Studies, BS (p. 959)
- Latin, BA (p. 614)
- Latin, BS (p. 617)
- Legal Studies, BA (p. 551)
- Legal Studies, BS (p. 559)
- LGBTQ+ Studies, Certificate (p. 746)
- Life Sciences Communication, BS (p. 178)
- Linguistics, BA (p. 1055)
- Linguistics, BS (p. 1059)
- Manufacturing Engineering, Certificate (p. 342)
- Material Culture Studies, Certificate (p. 1752)
- Materials Science and Engineering, BS (p. 326)
- Mathematics, BA (p. 1102)
- Mathematics, BS (p. 1124)
- Mathematics, Certificate (p. 1146)
- Mechanical Engineering, BS (p. 344)
- Medieval Studies, Certificate (p. 849)
- Microbiology, BA (L&S) (p. 1089)
- Microbiology, BS (CALS) (p. 101)
- Microbiology, BS (L&S) (p. 1093)
- Middle East Studies, Certificate (p. 965)
- Molecular and Cell Biology, BA (p. 1016)
- Molecular and Cell Biology, BS (p. 1021)
- Music, BA (p. 1148)
- Music, BS (p. 1161)
- Music: Education, BM (p. 1175)
- Music: Performance, BM (p. 1183)
- Naval Science, BNS (p. 313)
- Neurobiology, BA (p. 1027)
- Neurobiology, BS (p. 1033)
- Nuclear Engineering Materials, Certificate (p. 357)
- Nuclear Engineering, BS (p. 358)
- Nursing, BSN (p. 1778)
- Nursing, BSN (Accelerated Program) (p. 1783)
- Nursing, BSN (Collaborative Program) (p. 1788)
- Nutritional Sciences, BS (p. 185)
- Nutritional Sciences, BS Nutrition and Dietetics (p. 190)
- Organic Agriculture, Certificate (p. 220)
- Personal Finance, BS (p. 1735)
- Pharmaceutical Sciences, BS (p. 1793)
- Pharmacology and Toxicology, BS (p. 1795)
- Philosophy, BA (p. 1211)
- Philosophy, BS (p. 1214)
- Physical Education, BS (p. 1671)
- Physics, BA (p. 1218)
- Physics, BS (p. 1225)
- Physics, Certificate (p. 1232)
- Pilates, Certificate (p. 1626)
- Plant Pathology, BS (p. 222)
- Plant Science and Technology, BS (p. 213)
- Polish, BA (p. 795)
- Polish, BS (p. 799)
- Political Economy, Philosophy, and Politics, Certificate (p. 1249)
- Political Science, BA (p. 1251)
- Political Science, BS (p. 1257)
- Political Science, Certificate (p. 1263)
- Portuguese, BA (p. 1339)
- Portuguese, BS (p. 1342)
- Preparing to Teach Abroad, Certificate (p. 1595)
- Promoting Activity for Diverse Abilities, Certificate (p. 1679)
- Psychology, BA (p. 1265)
- Psychology, BS (p. 1269)
- Public Policy, Certificate (p. 1052)
- Rehabilitation Psychology, BS (p. 1689)
- Religious Studies, BA (p. 1274)
- Religious Studies, BS (p. 1278)
- Religious Studies, Certificate (p. 1281)
- Risk Management and Insurance, Certificate (p. 1490)
- Russian, BA (p. 802)
- Russian, BS (p. 806)
- Russian, East European, and Central Asian Studies, Certificate (p. 968)
- Scandinavian Studies, BA (p. 810)
- Scandinavian Studies, BS (p. 813)
- Scandinavian Studies, Certificate (p. 817)

- Science Communication, Certificate (p. 184)
- Six Sigma, Certificate (p. 325)
- Slavic Studies, Certificate (p. 819)
- Social Justice and Education, Certificate (p. 1651)
- Social Welfare, BA (p. 1285)
- Social Welfare, BS (p. 1292)
- Social Work, BSW (p. 1300)
- Sociology, BA (p. 1326)
- Sociology, BS (p. 1332)
- Soil Science, BS (p. 239)
- South Asian Studies, Certificate (p. 972)
- Southeast Asian Studies, Certificate (p. 975)
- Spanish Studies for Business Students, Certificate (p. 1345)
- Spanish, BA (p. 1347)
- Spanish, BS (p. 1350)
- Special Education, BSE (p. 1694)
- Sports Communication, Certificate (p. 1320)
- Statistics, BA (p. 1366)
- Statistics, BS (p. 1370)
- Statistics, Certificate (p. 1375)
- Sustainability, Certificate (p. 1384)
- Teaching English to Speakers of Other Languages, Certificate (p. 699)
- Technical Communication, Certificate (p. 315)
- Textiles and Design, Certificate (p. 1754)
- Textiles and Fashion Design, BS (p. 1756)
- Theatre and Drama, BS (p. 1706)
- Theatre, Certificate (p. 1714)
- Wildlife Ecology, BS (p. 164)
- Zoology, BA (p. 1040)
- Zoology, BS (p. 1045)

SCHOOLS AND COLLEGES

SCHOOLS AND COLLEGES

- College of Agricultural and Life Sciences (p. 44)
- College of Engineering (p. 246)
- College of Letters & Science (p. 366)
- Gaylord Nelson Institute for Environmental Studies (p. 1377)
- School of Business (p. 1386)
- School of Education (p. 1490)
- School of Human Ecology (p. 1715)
- School of Nursing (p. 1770)
- School of Pharmacy (p. 1791)

ADVISING

ADVISING

At UW–Madison advising is a partnership between students and the network of advisors they build during their time here. Advising is one of the most essential resources available to students and can play a pivotal role in the college experience and beyond. Advisors can help students get the most out of their Wisconsin Experience by helping them make well-informed decisions, sharing strategies for success, supporting them as they encounter challenges, connecting them to resources, and providing information about campus policies and procedures.

There are many reasons to see an advisor and advising is not limited to certain subjects or specific months of the year. Here are some of the many topics that advisors can help students with:

- Setting academic, career, and life goals
- Connecting a major to a career
- Creating a graduation timeline plan
- Selecting courses and fulfilling degree requirements
- Connecting with tutors
- Getting involved with campus organizations
- Practicing for job interviews
- Choosing a study abroad program
- Finding an internship
- Researching volunteer opportunities
- Understanding university policies and deadlines
- Talking about graduate school
- Proofreading resumes and cover letters

To find contact information for advisors, including the assigned advisor, see this link (https://advising.wisc.edu/find-an-advisor/).

SCHOOL AND COLLEGE ACADEMIC ADVISING OFFICES

UW–Madison has eight undergraduate schools and colleges. All undergraduates are assigned to an advisor in their area of academic interest, or to a Cross-College Advising Service advisor who specializes in working with students who are deciding on an academic major.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES (CALS)

Academic Affairs Office
https://cals.wisc.edu/academics/undergraduate/current-students/advising/

COLLEGE OF ENGINEERING (EGR)

Engineering Academic Advising
https://engineering.wisc.edu/student-services/undergraduate-student-advising/

COLLEGE OF LETTERS & SCIENCE (L&S)

Academic Advising Services
advising.ls.wisc.edu (http://advising.ls.wisc.edu)

COLLEGE OF LETTERS & SCIENCE, CENTER FOR ACADEMIC EXCELLENCE (CAE)

cae.ls.wisc.edu (http://cae.ls.wisc.edu)

COLLEGE OF LETTERS & SCIENCE HONORS PROGRAM

honors.ls.wisc.edu (http://honors.ls.wisc.edu)
For honors programs outside of L&S, contact the school/college advising office.

SCHOOL OF EDUCATION (EDU)

School of Education Undergraduate Academic Advising
https://education.wisc.edu/academics/undergrad-majors/academic-advising/

SCHOOL OF HUMAN ECOLOGY (SOHE)

Advising and Career Center
https://advising.humanecology.wisc.edu

SCHOOL OF NURSING (NUR)

Advising & Student Services
https://students.nursing.wisc.edu/undergraduate-menu/undergraduate-advising/

SCHOOL OF PHARMACY (PHRM)

Student & Academic Affairs Office
https://students.pharmacy.wisc.edu/student-academic-affairs/sop-advising/

SCHOOL OF BUSINESS (BUS)

Undergraduate Academic Advising
https://business.wisc.edu/undergraduate/academic-advising/

CROSS-COLLEGE ADVISING SERVICE (CCAS)

The Cross-College Advising Service (CCAS) (https://ccas.wisc.edu/) is a campus-wide advising office for undergraduate students who are in the process of deciding on a major and want to explore the many academic opportunities on campus. CCAS also assists students who are considering changing majors or who have not been admitted to limited-enrollment programs and are evaluating other options. CCAS advisors are knowledgeable about all the programs and majors offered by the eight undergraduate schools and colleges on campus. Each year at SOAR (Student Orientation, Advising, and Registration) (http://soar.wisc.edu/), over 1500 students in the entering class self-identify as "undecided/exploring" and are assigned to CCAS advisors.

In addition to the main CCAS office in Ingraham Hall, CCAS has residence hall advising offices in Chadbourne Residential College, Witte Hall, Sellery Hall, Ogg Hall, and Dejope Hall. The Dejope office is available to all students in Lakeshore-area residence halls.

CAREER DEVELOPMENT AND PLANNING

Career Services at UW-Madison support students in discovering what success looks like after college and how to achieve it. Career advisors and career planning opportunities at UW-Madison are available to help students answer the question, "Who am I? Who do I want to become? Where am I going and how do I get there?" Career planning is a multi-year process that includes self-assessment and reflection, exploring academic and career options, gaining experience in areas of interest, and ultimately conducting a job or graduate school search.

Each school or college within UW-Madison has a dedicated career services office to support their students. There are also several career services offices available to meet with any student looking to explore their academic and career goals. Links to all of the career services offices at UW-Madison are available online at www.careers.wisc.edu (https://www.careers.wisc.edu).

Students can work with career services staff to discuss career interests and goals, participate in skill-building workshops, connect with alumni and employers, develop a job or internship search plan, attend a career and internship fair, and much more.

HANDSHAKE AND BIG INTERVIEW

Handshake is a free tool for all UW-Madison students and is the best way to connect with employers, find jobs and internships, and learn about career events offered by career services offices and employers. All UW-Madison students are automatically provided with a Handshake account – it can be activated by logging in using a UW-Madison NetID and password through the mobile app (https://qrco.de/bdEvx3/) or by visiting https://wisc.joinhandshake.com/.

Big Interview is another free career tool available to all UW-Madison students. With Big Interview, students can practice and improve their interviewing skills, complete lessons about job searching, negotiations, and much more. Students can access this tool by visiting https://wisc.biginterview.com/.

CAREER ADVISING

Students can meet with individual career advisors throughout their undergraduate experience as they explore and navigate their career plans. Career advisors can help students with a variety of areas, including:

- Exploring career and major options
- Discussing values, skills, and interests
- Receiving help with resumes and cover letters
- Searching for jobs and internships
- Connecting with alumni and employers
- Preparing and practicing for interviews
- Guidance when applying to graduate or professional school
- Considerations for job offers and negotiating

CAREER EXPLORATION CENTER (CEC)

The Career Exploration Center (CEC) (https://cec.ccas.wisc.edu/) supports undergraduate students who are undecided about their career and/or academic goals. They assist students in gathering information, personal insight, and experiences that help them explore their options and provide direction in planning the next steps in their career journey.

PRE-PROFESSIONAL STUDY

At UW-Madison, students interested in pursuing graduate-level health professions and law school have access to specialized Pre-Professional Advising resources. Pre-Professional Advising is made up of two co-located and highly collaborative career advising units: The Center for Pre-Health Advising and the Center for Pre-Law Advising. The units share a joint mission of helping to increase access and equity within the fields of health and law.

CENTER FOR PRE-HEALTH ADVISING

prehealth.wisc.edu (https://prehealth.wisc.edu)

Pre-Health—e.g., Pre-Med/DO, Pre-PA, Pre-OT, Pre-Vet MD—is not an undergraduate major, it is an intention. Students should major in areas of true interest, meet regularly with their academic advisor(s), and proactively utilize the resources offered by the Center for Pre-Health Advising (CPHA) if they are considering further schooling and careers in the following areas: medicine, dentistry, occupational therapy, physical therapy, physician assistant, public health, chiropractic, optometry,

veterinary medicine, or other graduate-level health programs. Students interested in PharmD are strongly encouraged to access advising through the UW School of Pharmacy, due to the many unique aspects of pursuing this degree.

CENTER FOR PRE-LAW ADVISING

prelaw.wisc.edu (https://prelaw.wisc.edu)

Pre-law is not an undergraduate major, it is an intention. Students should major in areas of true interest, meet regularly with their academic advisor(s), and proactively utilize the resources offered by the Center for Pre-Law Advising (CPLA) for support in considering, preparing for, and applying to law school.

ADVISING OFFICES AND PROGRAMS

ADULT CAREER AND SPECIAL STUDENT SERVICES

acsss.wisc.edu (http://acsss.wisc.edu)

CENTER FOR EDUCATIONAL OPPORTUNITY (CEO)

ceo.wisc.edu (http://ceo.wisc.edu)

MERCILE J. LEE SCHOLARS PROGRAM

https://mjlsp.wisc.edu

INTERNATIONAL STUDENT SERVICES

iss.wisc.edu (http://iss.wisc.edu)

NATIVE AMERICAN CENTER FOR HEALTH PROFESSIONS

https://nachp.med.wisc.edu/

OFFICE OF ACADEMIC SERVICES, ATHLETICS

uwbadgers.com/sports/2015/8/21/GEN_201401011.aspx (https://uwbadgers.com/sports/2015/8/21/GEN_201401011.aspx)

OFFICE OF MULTICULTURAL ARTS INITIATIVES

omai.wisc.edu (http://omai.wisc.edu)

PEOPLE PROGRAM

peopleprogram.wisc.edu (http://peopleprogram.wisc.edu)

TRANSFER TRANSITION PROGRAM

transfer.wisc.edu/ (http://transfer.wisc.edu/)

UNDERGRADUATE ACADEMIC AWARDS OFFICE

awards.advising.wisc.edu/ (http://awards.advising.wisc.edu/)

STUDY ABROAD ADVISING

SCHOOL/COLLEGE STUDY ABROAD

Several schools and colleges have their own study abroad advising locations and offer information about study abroad programs that are directly related to certain areas of study.

- College of Agricultural and Life Sciences
- School of Business
- University of Wisconsin Law School

INTERNATIONAL ACADEMIC PROGRAMS (IAP)

studyabroad.wisc.edu (http://studyabroad.wisc.edu)

International Academic Programs (IAP) offers more than 300 study and intern abroad programs, as well as domestic study away programs. There are programs on six continents in over 80 countries for students of all majors. Courses through IAP programs can count toward degree requirements, allowing students to stay on track for graduation. Scholarships, grants, and financial aid are available.

NON-APPROVED STUDY ABROAD

Students considering participating in a study abroad program sponsored by a university other than UW–Madison should review this page: https://studyabroad.wisc.edu/nonapproved/ for more information.

GRADUATING IN FOUR YEARS OR FEWER

UW–Madison encourages, supports, and expects students to work with academic advisors to create, maintain, and plan a graduation timeline. Students should consult with their assigned academic advisor(s) before each enrollment period, and more as needed. Additionally, each major in the Guide includes a four-year plan to help students map out a path to graduation, with help from advisor(s).

To ensure a timely graduation, students should discuss the following topics with their advisor:

- Exploring interests while making progress on degree requirements
- Setting and achieving academic and career goals
- Academic challenges and connecting to resources that support academic success
- Procedures and requirements for declaring a major
- Using the Degree Audit Reporting System (DARS) (https://registrar.wisc.edu/dars/) to check progress toward the degree
- Any changes to a declared major, as well as alternative plans if applying to a competitive limited-enrollment program
- A strategic course schedule to stay on track for graduation

DEGREE AUDIT REPORTING SYSTEM (DARS)

A Degree Audit Reporting System (DARS) (https://registrar.wisc.edu/dars/) report is an automated summary of a student's degree progress. All schools and colleges at UW-Madison use DARS to audit the progress of most undergraduate degree programs and certificates.

DARS reports indicate which requirements are completed, which are complete with in-progress and planned courses, and which remain

unsatisfied. For most undergraduate programs, DARS is the tool used to determine completion of the program and/or eligibility to graduate.

Students can request and review their DARS via the Course Search & Enroll app. They should contact their assigned advisor(s) for help reading and interpreting their DARS report.

OFFICER EDUCATION

OFFICER EDUCATION

The Reserve Officers Training Corps (ROTC) prepares students to become commissioned officers in the U.S. Air Force, Army, Navy, or Marines, as well as for civilian careers. Students may be enrolled in ROTC while pursuing a degree at UW–Madison. ROTC courses are open to all undergraduates who have met the prerequisites. The number of ROTC credits that count toward a UW–Madison degree can vary by department and school or college. Prospective and registered students should contact the military program offices listed in this section of the catalog for information about regular course offerings, summer camp programs, and scholarships.

AIR FORCE ROTC—AEROSPACE STUDIES

The Air Force ROTC (AFROTC) program is the primary path available to enter the U.S. Air Force or U.S. Space Force as an officer. Students enroll in the AFROTC program while working toward a bachelor's degree in any major they choose. They attend an aerospace studies class each semester, a hands-on leadership laboratory, and weekly physical fitness sessions, while learning about how the Air Force and Space Force work and deciding which job fields match their interests. Upon graduating, they enter active duty service as second lieutenants, in leadership and management roles in the Air Force or Space Force.

Most career fields have an active-duty commitment of four years after college. If students choose to separate from the Air Force or Space Force at that time, they can pursue other careers with experience and the distinction of "military officer" on their resumes.

AFROTC is designed for students with three or more years remaining until graduation. To receive an officer's commission, AFROTC cadets must complete all necessary requirements for a degree as well as courses specified by the Air Force. Courses are often taken for academic credit as part of a student's electives. The amount of credit given toward a degree for AFROTC academic work is determined by the student's school or college, and major department.

Required Courses for Air Force ROTC/Aerospace Studies

General Military Course, total of 4 credit hours:

Code	Title	Credits
A F AERO 101	Heritage and Values I	1
A F AERO 102	Heritage and Values II	1
A F AERO 201	Team and Leadership Fundamentals I	1
A F AERO 202	Team and Leadership Fundamentals II (General Military Course, total of 4 credit hours:)	1

Professional Officer Course, total of 12 credit hours:

Code	Title	Credits
A F AERO 301	Leading People and Effective Communication I	3
A F AERO 302	Leading People and Effective Communication II	3
A F AERO 401	National Security Affairs	3
A F AERO 402	Leadership Responsibilities & Commissioning Preparation	3

Cadets must enroll in A F AERO 501 Leadership Laboratory I every Fall semester and A F AERO 502 Leadership Laboratory II every Spring semester, in addition to their lecture courses, for a total of 8 credit hours.

Scholarships:

Qualified students may compete for Air Force ROTC scholarships ranging from two to three years in duration. High school students can apply for a four-year scholarship during their senior year of high school. Students must be enrolled and participating in Air Force ROTC to be eligible for scholarships. Scholarships are merit based and pay up to full tuition & fees (both in and out-of-state) or room and board (capped at $10,000/semester) but not both, $900/semester for textbooks, and a tax fee subsistence stipend of $300-$500 (based on academic/AFROTC year) per month. Interested students should consult with the Recruiting Officer for more detailed information concerning the scholarship eligibility requirements.

For Participating Students:
Participating students are those who are registered in AF AERO courses but do not seek a commission. Participating students are not cadets, and the following apply:

- Must create a WINGS account; however, students are not required to complete the application for AFROTC membership. Accounts can be created here: https://wings.holmcenter.com/psp/hcp/LANDING/PORT_HCP/c/W_ROTC.W_PTL_PRESCREEN.GBL
- May enroll in AFROTC classes for academic course credit only.
- Will not be issued uniforms.
- Will not be included in Detachment Commander's Ranking.
- Are ineligible to compete in any selection program.
- Cannot compete for an Enrollment Allocation (EA), contract, or commission.

All 100 and 200-level AFROTC courses are open to all students regardless of membership in the program. Students are invited to take one of the program's courses to determine if AFROTC is right for them with no obligation to join. For more information, please contact the Recruiting Officer at 608-264-0543 or 608-262-3440; afrotc@mailplus.wisc.edu.

MILITARY SCIENCE—ARMY ROTC

The Army Reserve Officers' Training Corps (ROTC) is the nation's largest leadership and management-development training program. It offers the opportunity to earn a commission as a Second Lieutenant for Active Duty, Army Reserve, or Army National Guard while pursuing an academic degree. It enables young men and women to prepare themselves to be leaders in the Army or the civilian career field of their choice. The traditional four-year Army ROTC Program is divided into a two-year Basic Course and a two-year Advanced Course. A non-contracted student

enrolled in the Basic Course does not incur a military service obligation. All Military Science classes are taught in person on campus.

Basic Course

This instruction introduces the student to fundamental military and leadership subjects. It is normally taken over four successive semesters, but may be completed in as few as two semesters. Students should discuss available options with the Scholarship & Enrollment Officer before registering for courses if they have fewer than four semesters to complete the Basic Course.

The regular curriculum consists of a lecture and lab each semester. Freshmen are encouraged to take our class and lab with no military obligation. Students can enroll in a lecture without enrolling in the lab, but cannot enroll in a lab without the corresponding lecture. Labs are intended to provide practical leadership experience and military skills training such as map reading, land navigation, field training, and rifle marksmanship. Additionally, students who start in the Aerospace Studies or Naval Science programs can switch to Military Science and continue on toward graduation with no penalty.

Code	Title	Credits
MIL SCI 101	Foundations of Officership	1
MIL SCI 110	Leadership Lab 1A	1
MIL SCI 102	Basic Leadership	1
MIL SCI 111	Leadership Lab 1B	1
MIL SCI 201	Individual Leadership Studies	2
MIL SCI 210	Leadership Lab 2A	1
MIL SCI 202	Leadership and Teamwork	2
MIL SCI 211	Leadership Lab 2B	1

Advanced Course

Students who have completed the Basic Course or an equivalency (see Two-Year Program) and have passed all enrollment eligibility criteria continue on into the Advanced Course. This course consists of the following lectures, leadership labs, a separate military history course, physical fitness training sessions, and a four-week paid leadership capstone (Advance Camp) at Fort Knox, Ky. Students normally attend Advance Camp between their junior and senior years of Military Science. During labs and physical training sessions students are provided practical leadership opportunities to prepare them for Advance Camp and their future military careers. Students must complete all components of this course to earn a commission.

Code	Title	Credits
MIL SCI 301	Leadership and Problem Solving	2
MIL SCI 310	Leadership Lab 3A	1
MIL SCI 302	Leadership and Ethics	2
MIL SCI 311	Leadership Lab 3B	1
MIL SCI 401	Leadership and Management	2
MIL SCI 410	Leadership Lab 4A	1
MIL SCI 402	Officership	2
MIL SCI 411	Leadership Lab 4B	1

History Course

Cadets are to take and pass one history course that meets the ROTC Military History requirement for commissioning:

Code	Title	Credits
Recommended course		
HISTORY 345	Military History of the United States	3-4
Alternative courses		
HISTORY 133	Global Military History (5000 BCE - Present)	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities)	3
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY 357	The Second World War	3-4
HISTORY 427	The American Military Experience to 1902	3-4
HISTORY 428	The American Military Experience Since 1899	3-4
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4

Two-Year Program

Students who are veterans, members of the Army National Guard/ Army Reserve, or who have participated in the Junior Reserve Officers' Training Corps Program in high school may qualify for direct entry into the Advanced Course. Students who did not complete the ROTC Basic Course (see above), to include graduate and doctoral students, but have two years of academic study remaining may be eligible to attend Basic Camp. This option compresses the Basic Course curriculum into a paid four-week summer leadership professional development course held at Fort Knox, KY prior to starting the Advanced Course. Students who believe they qualify for this program should consult with the Scholarship & Enrollment Officer for more information.

Scholarships

Qualified students may compete for Army ROTC scholarships ranging from two to three years in duration. High school students can apply for a four year scholarship during their senior year of high school. Students must be enrolled and participating in Army ROTC to be eligible for scholarships. Scholarships are merit based and pay full tuition & fees (both in and out-of-state) or room and board (capped at $6,000/semester) but not both, $600/semester for textbooks and laboratory expenses, and a tax fee subsistence stipend of $420 for each month of the regular school year. Interested students should consult with the Scholarship & Enrollment Officer for more detailed information concerning the scholarship eligibility requirements. For additional information about Army ROTC, students may contact Craig Giese in the Department of Military Science, 1910 Linden Drive, 608-262-3411, armyrotc@mailplus.wisc.edu.

NAVAL SCIENCE—NAVAL ROTC

Mission

The Naval ROTC Program was established to develop future officers mentally, morally and physically and to instill in them the highest ideals of duty, and loyalty, and with the core values of honor, courage and commitment in order to commission college graduates as Naval officers who possess a basic professional background, are motivated toward careers in the Naval service, and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship and government.

Program Description

The purpose of the Naval ROTC Program is to educate and train qualified young men and women for service as commissioned officers in the Navy's unrestricted line, and the Marine Corps. As the largest single source of Navy and Marine Corps officers, the Naval ROTC Scholarship Program plays an important role in preparing mature young men and women for leadership and management positions in an increasingly technical Navy and Marine Corps.

Selected applicants for the four-year Naval ROTC Scholarship Program are awarded scholarships through a highly competitive national selection process, and receive full tuition, books stipend, educational fees and other financial benefits. Upon graduation, midshipmen are commissioned as active duty officers in the Navy's unrestricted line or the Marine Corps.

The four-year Naval ROTC Scholarship Program is available to qualified students who graduate from high school before August 1 of the year they intend to start college, and have earned less than 30 credit hours of college-level courses.

Students may affiliate with the Naval ROTC program, with the approval of the Professor of Naval Science, as College Program midshipmen, but receive none of the monetary benefits of scholarship students. College program midshipmen may apply and compete for 3-, 2-, or 1-year NROTC scholarships in each of their freshman, sophomore and junior academic years.

Students selected for the Navy ROTC Scholarship Program make their own arrangements for college enrollment and room and board, and take the normal course load required by the college or university for degree completion.

Upon graduation, midshipmen who complete all academic requirements in the Navy ROTC program are commissioned as an Ensign in the Navy or a 2nd Lieutenant in the Marine Corps and will be required to serve a minimum of five years of active military service. (Additional service requirements may apply for specific service assignments; e.g., pilot, nuclear power officer.)

Program Requirements

- Complete all requirements for a bachelor's degree.
- Complete specified Naval Science courses:

Navy Option

Code	Title	Credits
NAV SCI 101	Introduction to Naval Science	2
NAV SCI 102	Seapower-Maritime Affairs	3
NAV SCI 201	Naval Leadership and Management	3
NAV SCI 202	Navigation	3
NAV SCI 301	Naval Engineering	3
NAV SCI 302	Naval Weapons	3
NAV SCI 401	Naval Operations	3
NAV SCI 402	Naval Leadership and Ethics	3

Marine Option

Code	Title	Credits
NAV SCI 101	Introduction to Naval Science	2
NAV SCI 102	Seapower-Maritime Affairs	3
NAV SCI 201	Naval Leadership and Management	3
NAV SCI 350	Fundamentals of Maneuver Warfare	3
NAV SCI 351	Land Campaigns	3
NAV SCI 402	Naval Leadership and Ethics	3

- In addition (or concurrent) to prescribed undergraduate degree and Naval Science course load, midshipmen must also satisfy these academic requirements:
  - Calculus (two semesters, by end of sophomore year). Not required for Marine option students.
  - Physics (two-semesters of calculus-based physics, by end of junior year). Not required for Marine option students.
  - English grammar and composition (two-semesters).
  - National Security Policy/American Military Affairs (one-semester).
  - World Culture/Regional Studies (one-semester; certain countries or cultures do not satisfy). Not required for Marine option students.
- Maintain a minimum, cumulative 2.5 GPA.
- Register for, and attend a one credit Naval Science leadership lab each semester (NAV SCI 175 Introductory Naval Laboratory I, NAV SCI 176 Introductory Naval Laboratory II, NAV SCI 275 Elementary Naval Laboratory I, NAV SCI 276 Elementary Naval Laboratory II, NAV SCI 375 Intermediate Naval Laboratory I, NAV SCI 376 Intermediate Naval Laboratory II, NAV SCI 475 Advanced Naval Laboratory I, NAV SCI 476 Advanced Naval Laboratory II)
- Participate in a 4-6-week training period each summer

Summer Training Requirements

A significant portion of a midshipman's professional training during their four-year curriculum is received during summer training.

Navy option midshipmen attend summer training, to include Career Orientation and Training for Midshipmen (CORTRAMID) for rising sophomores, and Fleet Exposure Cruises for rising juniors and seniors.

Marine Corps option summer training includes Career Orientation and Training for Midshipmen (CORTRAMID) for rising sophomores, and Fleet Exposure Cruises for rising juniors. All rising senior Marine option midshipmen attend the 6-week Marine Corps Officer Candidates School in Quantico, VA.

Midshipmen must ultimately make decisions as to which warfare area they will request to be commissioned into; CORTRAMID and the various summer training programs are designed to instill awareness of these areas and provide midshipmen with the background necessary to make informed decisions regarding their career choice. Midshipmen select their order of preference of available warfare communities and are ultimately assigned based on their class rank and the needs of the Navy and Marine Corps.

Possible Summer Training Assignments

- CORTRAMID: Midshipmen assigned to this training will travel to a Fleet concentration area on either the East or West coast and spend a week with each of the following warfare communities: surface ship, submarine, aviation, and Marine Corps.
- Nuclear Power: Midshipmen can be assigned to a nuclear submarine or aircraft carrier.
- Ashore Aviation Option: Selected, qualified midshipmen train with a shore-based Navy aviation squadron, including flight time if feasible.
- Surface Warfare: Midshipmen can be assigned to a Navy ship in the United States or in overseas ports.

- Fleet Marine Force Month: Marine option midshipmen can be assigned to a unit on the East or West coast, where they will closely shadow officers and enlisted Marines in their day-to-day training.

PEOPLE

Air Force ROTC—Aerospace Studies: Lieutenant Colonel Scott Gross, Professor of Aerospace Studies/Department Chair/Detachment Commander; Major Jeremy Ware, Assistant Professor of Aerospace Studies/Recruiting Officer; Major Ryan Hansen, Assistant Professor of Aerospace Studies/Education Officer; Captain Kaitlynn Williams, Assistant Professor of Aerospace Studies/Operations Flight Commander.

Military Science—Army ROTC: Please refer to our website (https://badgerrotc.wisc.edu/cadre/) for current cadre and staff.

Naval Science—Professor, CAPT Barnett; Associate Professor, CDR Mascotti; Assistant Professors LCDR Adam Stroik, LT Michael Breslin, and Marine 1st Lt. Teja Upadhyaya. The assistant professors act as undergraduate advisors and may be contacted through the department office.

CONTACT INFORMATION

Air Force ROTC—Aerospace Studies
608-262-3440
1433 Monroe Street, Madison, WI 53711
http://www.afrotc.wisc.edu/

Military Science—Army ROTC
608-262-3411
1910 Linden Drive, Madison, WI 53706
http://www.badgerrotc.wisc.edu/

Naval Science
608-262-3794
1610 University Avenue, Madison, WI 53726-4086
http://nrotc.wisc.edu/

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The Wisconsin (https://wisconsinexperience.wisc.edu)Experience is UW–Madison's vision for the total student experience, which combines learning in and out of the classroom. Tied to the Wisconsin Idea and steeped in our long-standing institutional values—the commitment to the truth, shared participation in decision-making, and service to local and global communities—the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

Through the Wisconsin Experience, our students will engage in the following areas of intellectual and personal growth.

Empathy and Humility

- Develop and demonstrate cultural understanding of self and others
- Engage locally, nationally, and globally in a respectful and civil manner
- Appreciate and celebrate one another's abilities, views, and accomplishments

Relentless Curiosity

- Actively learn with expert instructors, scholars, and peers
- Engage in creative inquiry, scholarship, and research
- Develop resilience, and foster courage in life and learning

Intellectual Confidence

- Develop competence, depth, and expertise in a field of study
- Integrate ideas and synthesize knowledge across multiple contexts
- Exercise critical thinking and effective communication

Purposeful Action

- Apply knowledge and skills to solve problems
- Engage in public service, partner with others, and contribute to community
- Lead for positive change

STUDENT LEARNING AT UW–MADISON

Student engagement and activism are deeply rooted in UW–Madison's rich history of academic and research excellence. Occasionally, students are expected to help the university better understand and improve student learning by participating in evaluative activities, which include surveys, focus groups, and questionnaires, and by providing examples of their work through presentations, posters, demonstrations, and writing samples. We rely on the student perspective when assessing the effectiveness of academic and co-curricular programs. By participating, students help improve their own educational and related experiences and contribute to better educational experiences for future students.

ACADEMIC ENRICHMENT AND HONORS PROGRAMS

UW–Madison offers students many ways to enrich their academic program, regardless of the major field of study they choose to pursue. Engaging in research, studying abroad, being part of learning communities, participating in university honors, becoming a student leader, engaging in service learning—these are all vital components that enhance and strengthen classroom learning. This partnership between in- and out-of-classroom learning form the foundation of the *Wisconsin Experience*. The university encourages students to take advantage of opportunities to integrate their learning experiences.

Honors Programs

Honors programs, which vary slightly among the schools and colleges, are designed for students who wish to undertake work that is more intensive than regular coursework. High grade point averages are required to maintain honors student standing. Students should refer to Honors Programs (https://teachlearn.provost.wisc.edu/honors-programs/) for more information including specific school or college programs or to contact an honors advisor.

Undergraduate Research Opportunities

One of the most exciting things in life is to discover something new. UW–Madison provides unique opportunities to learn from and work with some of the world's leading researchers and scholars. Options range from assisting with professors' ongoing research to designing and directing one's own projects. For many examples, see Undergraduate Research Opportunities (https://teachlearn.provost.wisc.edu/undergraduate-research/). The Undergraduate Research Scholars Program (http://urs.ls.wisc.edu/) is one opportunity available in the first or second year of study. Students may cap off their undergraduate degree with a senior thesis or senior honors thesis and are encouraged to present their work at the Undergraduate Symposium. For program descriptions, see

Undergraduate Symposium (https://ugradsymposium.wisc.edu/). For a sampling of the many grants and awards available to support and honor this work, visit the Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/).

Community-Based Learning

Undergraduates have access to more than 100 community-based learning courses each year. These courses emphasize hands-on experiences that address real-world issues as a venue for educational growth. More information on community-based learning is available at the Morgridge Center for Public Service (http://morgridge.wisc.edu/).

Learning Communities

UW–Madison's rich tradition of supporting learning communities (https://www.housing.wisc.edu/residence-halls/learning-communities/) means that the traditional classroom is not the only place where students learn. Students may choose to participate in any of the many residential and nonresidential learning communities, where students, faculty, and staff work together as both learners and teachers to pursue their academic interests. For more information about residential options, refer to University Housing's learning communities (https://www.housing.wisc.edu/residence-halls/learning-communities/).

WISCIENCE

At WISCIENCE (https://wiscience.wisc.edu/) (the Wisconsin Institute for Science Education and Community Engagement), we advance inclusive education in STEM for all. Our high-impact courses, programs, events, and initiatives provide professional development opportunities in STEM in supportive learning environments on and beyond campus. We serve UW community members at all career stages—with many offerings for undergraduate students.

In WISCIENCE courses and programs, you can:

- Explore STEM research (https://wiscience.wisc.edu/research/#undergrad-courses), community engagement (https://wiscience.wisc.edu/service/#undergraduate), and leadership (https://wiscience.wisc.edu/leadership/)
- Build community, boost confidence, and develop your STEM identity
- Fulfill degree requirements while building skills for STEM careers
- Engage with instructors committed to inclusive STEM education for all

Learn More (https://wiscience.wisc.edu/)

STUDY ABROAD PROGRAMS

Studying abroad extends the boundaries of the classroom to the world. It is an exciting way for students to complement and enhance their on-campus learning while earning meaningful credit toward the major and degree. Each year UW–Madison sends more than 2,500 students on study abroad programs around the globe, including international internships and domestic study away options within the United States.

International Academic Programs (IAP) (https://www.studyabroad.wisc.edu/) serves as the central study abroad office on campus, offering more than 300 programs in over 80 countries around the world. IAP program offerings, available to all majors for students at all levels, range from short-term faculty-led opportunities to intensive language study, internships, a semester or a year at a university abroad, service-learning, and programs with special themes. Students can visit the Study Abroad Resource Center, 301 Red Gym, to meet with advisors who can help students prepare and research study abroad options.

Additionally, in partnership with IAP, the College of Agricultural and Life Sciences, the College of Engineering, and the School of Business offer programs geared specifically for their academic disciplines. All approved UW–Madison programs share policies, procedures, and best practices, and are featured on the Program Search (https://studyabroad.wisc.edu/programs/) page.

The Value of Study Abroad

Employers are increasingly looking for workers who not only have technical knowledge, but also "soft skills" such as critical thinking, problem solving, time management, and communication skills deemed necessary for success in a global workforce. Study abroad is one of the best ways students can acquire global skills and stand out to potential employers. Study abroad alumni have better job prospects. Based on a survey conducted by IES Abroad (http://thepienews.com/news/us-study-abroad-alumni-have-better-job-prospects/), 90 percent of study abroad alumni found their first job within six months of graduation. In addition to being able to experience new customs, cultures, interests, and food, alumni have reported that study abroad increased their confidence and had a lasting impact on their worldview (https://www.iesabroad.org/study-abroad/benefits/alumni-survey-results/).

Regardless of major, students will find that study abroad has much to offer. The variety of program sites and durations (semester, spring break, summer, winter, year) allow students to select programs based on individual academic interests and personal goals and objectives.

Access and Meaningful Credit for All Majors

In general, credits earned abroad can count toward fulfilling (https://studyabroad.wisc.edu/academics/) college and major requirements in any UW–Madison school or college. Seniors in most schools and colleges who complete their major and degree requirements while abroad on a UW–Madison program can graduate at the end of their study abroad program. Seniors who wish to graduate abroad should work closely with their academic advisors to ensure all degree requirements will be met.

Each study program has its own eligibility requirements. Students are encouraged to talk with their academic advisors early in their academic careers about how study abroad can fit into their academic plans and future career goals. We are also working with departments to create Major Advising Pages (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/) to highlight programs that work best for students' degree plans.

Costs and Funding

Students who are thinking about studying abroad or have already decided to do so may be concerned about how they will fund the experience. We frequently hear from students that the program cost is a primary factor in deciding whether they are able to pursue studying abroad. Instead of tuition, students pay a program fee to cover the actual costs of the experience, which is unique to each program. Programs vary widely in cost, so it is likely that we have a program for every budget. Sometimes studying abroad is no more expensive than studying on campus, and other times the cost can be higher. We work with students to create funding (https://studyabroad.wisc.edu/funding/) plans for their time abroad.

Students who study abroad in UW–Madison-sponsored programs may be eligible to use federal financial aid toward the costs of the program. Students should meet with the UW–Madison Office of Student Financial Aid to discuss eligibility requirements. In addition, students can apply for scholarships (https://www.studyabroad.wisc.edu/

scholarships.html) specifically designated for use with study abroad programs. These include UW–Madison, national, and international scholarship opportunities. Students can also use most campus and academic department scholarships for UW–Madison-sponsored study abroad programs and should talk with their scholarship sponsor about that.

Diversity and Inclusion

Study Abroad staff are committed to providing quality study abroad and domestic study away programs for every UW–Madison student. We work strategically to identify, address, and remove barriers that may prevent participation and to provide a welcoming and inclusive environment for students. Our team actively engages with students, faculty, and staff from diverse backgrounds and prioritizes the continuous development of our knowledge and cultural competence. We also recognize the importance of increasing access to study abroad for historically underrepresented student populations. We are committed to diversity and inclusion so that every student can engage with and understand their identity through a new lens and continue to develop and make progress on their personal, professional, and academic goals.

REQUIREMENTS FOR UNDERGRADUATE DEGREES

REQUIREMENTS FOR UNDERGRADUATE DEGREES

This is a summary of the Requirements for Undergraduate Degrees policy. Click here *(*https://policy.wisc.edu/library/UW-1060*/) to view the official policy in its entirety in the UW-Madison Policy Library.*

The University of Wisconsin-Madison sets minimum standards that must be met by all students pursuing an undergraduate degree. The information in the following paragraphs provides general information about study at UW-Madison. Requirements may vary among the schools and colleges, and for specific programs. Students should learn about and understand the specific requirements for their program of study.

TOTAL DEGREE CREDITS

To receive a bachelor's degree from UW-Madison, students must earn a minimum of 120 degree credits (which includes AP, IB and other test credit, transfer credit, and retroactive credit). Requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements. Undergraduate Majors (p. 22).

RESIDENCE CREDIT

Degree candidates are required to earn a minimum of 30 credits in residence at UW-Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW-Madison courses offered in distance or online formats, as credits earned in UW-Madison Study Abroad/Study Away programs. Some schools and colleges may have additional requirements concerning courses taken in residence; students should refer to the specific school or college section of the *Guide* or consult with an advisor.

UNDERGRADUATE MAJOR DECLARATION

This is a summary of the Undergraduate Major Declaration policy. Click here *(*https://policy.wisc.edu/library/UW-1009*/) to view the official policy in its entirety in the UW-Madison Policy Library.*

Undergraduate degrees at UW-Madison presume that students are completing a program of study that consists of a degree program that combines the requirements for the degree with focused study in a discipline, or that combines school or collegewide requirements with an undergraduate major in which they pursue focused study. All undergraduates are expected to have declared or to have been admitted to their focused area of study by the end of the semester in which they have accumulated 86 credits. Students who have not met this expectation may be prevented from enrolling in future terms until they meet with their advisor. Some schools and colleges have additional requirements governing when majors may be declared; students should refer to the specific school or college section of the *Guide* and consult with an advisor about declaring their major.

ACADEMIC PROBATION

Undergraduate students must maintain the minimum academic thresholds, including the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

GENERAL EDUCATION REQUIREMENTS

This is a summary of the General Education Requirements policy. Click here *(*https://policy.wisc.edu/library/UW-1059*/) to view the official policy in its entirety in the UW-Madison Policy Library.*

All undergraduate students at UW-Madison must complete the university-wide General Education Requirements, which are designed to convey the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. These requirements provide for breadth across the humanities and arts, social studies, and natural sciences; competence in communication, critical thinking, and analytical skills necessary for success in college and beyond; and investigation of the issues raised by living in a culturally diverse society. This core is intended to provide students with intellectual and practical skills, basic knowledge of human cultures and the physical world, strategies for understanding these topics, and tools intended to contribute to their sense of personal and social responsibility. General Education complements the work students do in their majors and degrees. Together, these requirements help students learn what they need to know not just for making a living, but also for making a life.

Completing the General Education Requirements is an important part of achieving these competencies, and to do so, students choose from many courses in communication, ethnic studies, quantitative reasoning, and breadth of study across disciplines in the natural sciences, humanities, literature, and arts, and social and behavioral sciences.

Each school and college may choose to allow General Education courses to count toward other degree and/or major requirements. Students should always check with their advisors to discuss any additional degree requirements and determine if students are required to take specific General Education courses or to complete the requirements in a particular order. Students should review their Degree Audit (DARS) report to see how they are progressing toward fulfilling the General Education requirements. Please refer to this website (https://gened.wisc.edu/) for more information about the requirements.

The university-wide General Education requirements are:

Breadth, 13–15 Credits, Distributed Over Three Areas

All students must complete 13–15 credits of coursework intended to provide a breadth of experience across the major modes of academic inquiry. This requirement encourages students to adopt a broad intellectual perspective, to examine the world through investigative, critical, and creative strategies practiced in the natural (computational, biological, and physical) sciences, social and behavioral sciences, as well as in the arts and humanities.

Learning Outcomes

Students acquire critical and creative thinking skills as well as enhance their problem-solving skills through a breadth of study across the humanities and arts, social studies, computational, biological sciences and physical sciences. In courses satisfying the Breadth requirement, students will:

- Articulate examples of significant contributions to human understanding achieved through various "ways of knowing" found in the arts and humanities; social and behavioral sciences; and computational, biological, and physical sciences
- Recognize and articulate the ways in which different disciplines approach questions that call upon different tools of inquiry, understanding, and creative enterprise
- Identify ways in which multiple tools of inquiry and understanding can be used to achieve greater insight into resolving "big" questions (e.g., climate change, poverty, global health etc.), evaluating the strengths and weaknesses of those approaches, and understanding which complementary approaches will help achieve meaningful change
- Evaluate different modes of inquiry across the humanities and arts; social studies; computational, biological, and physical sciences, and identify strengths and weaknesses of those approaches across disciplines when approaching a question

To achieve these outcomes, students are required to complete courses in the following areas.

- Natural Science, 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Humanities/Literature/Arts, 6 credits
- Social Studies, 3 credits

This requirement challenges students to understand that there are many ways to research, understand, communicate about, and interpret creatively the world around us. These "ways of knowing" intersect and overlap, and the ideas presented in one area will often inform and transform what students know and how they think about the others. Students develop skills that help them make informed decisions in a wide range of political, economic, and social contexts, to think critically about the world, to better understand their own and others' experience, and to behave in socially responsible ways. (For more information about how this exposure to breadth of inquiry and expression enriches students' undergraduate experience and complements intensive study in the major, please see the General Education Requirements (https://gened.wisc.edu/) website.)

Communication, 3 to 5/6 Credits

The Communication requirement helps to ensure that all graduates of UW-Madison acquire essential communication and research-gathering skills necessary for success in university course work and beyond. Communication-A (Comm-A) and Communication-B (Comm-B) courses train students to gather and assess information from a variety of sources and to present different kinds of information, insight, and analysis to diverse audiences. These courses are essential for students' career success and their preparation for public life in a rapidly changing world. While Comm-A courses focus exclusively on essential communication skills, Comm-B courses provide content instruction in a specific discipline and teach research, writing, and communication skills in conjunction with the course content. Comm-B courses are offered by departments across campus and vary widely in topic, content, and format.

Learning Outcomes

Students develop skills that enable them to be effective communicators in and out of the classroom. In courses satisfying the Communication requirement, students will:

- Make effective use of information retrieved, organized, and synthesized from appropriate sources
- Present ideas and information clearly and logically to achieve a specific purpose
- Make effective use of communicative forms appropriate to a specific discipline and adapted to the intended audience
- Use appropriate style and conventions associated with particular communicative forms, genres or disciplines

To achieve these outcomes, students must complete the following Communication requirements:

Part A. Literacy Proficiency.

2–3 credits at first-year level dedicated to reading, listening, and discussion, with emphasis on writing. While most incoming freshmen are required to complete coursework to fulfill this requirement, students may be exempted from Part A by approved college course work while in high school, AP test scores, or placement testing. Students are expected to satisfy this requirement by the end of their first year of undergraduate study.

Learning Outcomes

- Use the four modes of literacy: writing, speaking, reading, and listening to formulate strategies for critical thinking
- Use information-seeking skills to demonstrate the four modes of literacy

Part B. Enhancing Literacy Proficiency.

2–3 credits of more advanced coursework for students who have completed or been exempted from Part A. Students should consult with the appropriate undergraduate advisor about when this requirement should be completed. Courses that satisfy this requirement are offered in many fields of study; although a wide variety of courses fulfill this requirement, students are encouraged to select a course most in keeping with their interests or other requirements of their intended field(s) of study.

Learning Outcomes

- Identify and make skillful use of relevant, reliable, and high-quality research sources appropriate to the course subject and discipline

- Make productive use of the writing process, including brainstorming, outlining, drafting, incorporating feedback, and revising, to develop a fledgling idea into a formal paper, presentation, and/or project
- Share research, course content, or creative activity in writing and at least one other mode of communication relevant to the discipline. Other modes of communication might include presentations using one or more media, debate, discussion, poster presentations, and other forms of expression that convey course content

Please note: Because English is the language of instruction at UW–Madison, Communication A and B courses are taught in English, and student work in them is also completed in English.

Ethnic Studies, 3 Credits

The Ethnic Studies requirement is intended to increase understanding of the culture and contributions of persistently marginalized racial or ethnic groups in the United States, and to equip students to respond constructively to issues connected with our pluralistic society and global community. Because this increased understanding is expected to have a positive effect on campus climate, students are expected to complete this requirement within the first 60 credits of undergraduate study

Learning Outcomes

Students draw connections between historical and present day circumstances and consider perceptions and cultural assumptions when examining questions and making decisions. In courses satisfying the Ethnic Studies requirement, students will:

- Articulate how the past has affected present day circumstances regarding race and racial inequities in the U.S.
- Recognize and question cultural assumptions and knowledge claims as they relate to race and ethnicity
- Demonstrate self-awareness and empathy toward the cultural perspectives and worldviews of others
- Apply course concepts to their lives outside the classroom by respectfully participating in our multicultural society

The skills listed above apply to students' lives inside and outside the classroom, and by pursuing these objectives, students will further enhance their ability to participate in a multicultural society more effectively, respectfully, and meaningfully. Students complete this requirement by taking one course of at least 3 credits that is designated as an Ethnic Studies course.

Quantitative Reasoning, 3 to 6 Credits

Quantitative Reasoning is the process of forming conclusions, judgments or inferences from quantitative information. The Quantitative Reasoning requirement at UW-Madison has two parts: Part A and B. Quantitative Reasoning A courses provide students with skills in mathematics, computer science, statistics or formal logic that are needed for dealing with quantitative information. The acquired skills are broad-based in order to have a positive impact on the readiness of students to take a Quantitative Reasoning B course in a variety of disciplines. Quantitative Reasoning B courses allow students to enhance their Quantitative Reasoning Proficiency in a more advanced setting, where they make significant use of quantitative tools in the context of other course material. To ensure timely completion of the undergraduate degree, students must demonstrate minimum math proficiency before they can enroll in a Quantitative Reasoning Part A course. They should complete Part A of the Quantitative Reasoning requirement by the end of their first year, and must complete Part A before they enroll in Part B.

Quantitative Reasoning Part A:

An an introductory course in college-level mathematics, computer science, statistics, or formal logic that is intended to prepare students for more advanced work in a disciplinary context.

Learning Outcomes

- Solve problems using quantitative information and the tools of college#level mathematics, computer science, statistics or formal logic
- Draw conclusions using quantitative information and the tools of college#level mathematics, computer science, statistics or formal logic
- Develop models and/or interpret data and/or devise algorithm using quantitative information and the tools of college#level mathematics, computer science, statistics or formal logic

Quantitative Reasoning Part A Requirement:
Can be satisfied by approved college work while in high school, AP test scores, placement testing, or taking a 3-credit course at UW-Madison with a Quantitative Reasoning A designation.

Quantitative Reasoning Part B:

In the disciplinary or interdisciplinary context of a course designed to build on the tools of college-level mathematics, computer science, statistics, or formal logic.

Learning Outcomes

- Manipulate quantitative information to create models, and/or devise solutions to problems using multi#step arguments, based on and supported by quantitative information
- Evaluate models and arguments using quantitative information
- Express and interpret in context models, solutions, and/or arguments using verbal, numerical, graphical, algorithmic, computational or symbolic techniques

Quantitative Reasoning Part B Requirement:
Can be satisfied by taking a designated QR-B course of at least 3 credits in a variety of fields of study, which enhances students' proficiency in this domain. Students are encouraged to select a course in keeping with their interests or to satisfy other requirements for their major or degree program.

Identifying Courses That Meet General Education Requirements

The university offers hundreds of courses that meet the requirements described above. Students should consider their own interests and check with their advisor when deciding which courses to complete. Please note that many undergraduate programs of study have breadth requirements that go beyond these basic university-wide requirements.

The following language is used in the UW-Madison course listings to indicate how courses count toward satisfying the communication, quantitative reasoning, and ethnic studies portions of the General

Education Requirements. Courses that satisfy these requirements are also tagged with a mortarboard (graduate cap) symbol. #

- Communication Part A
- Communication Part B
- Ethnic Studies
- Quantitative Reasoning Part A
- Quantitative Reasoning Part B

Note: Some Communication Part B courses carry Communication B credit only at the lecture or section level and/or only in certain semesters; these courses will be indicated in the Schedule of Classes.

Course descriptions also include information about whether courses meet General Education Humanities, Natural Science, or Social Studies Breadth Requirements. (Click on course numbers in the Guide to see this information.) Students should also be aware that each school and college may, at its own discretion, designate additional courses that satisfy these requirements. For this reason, students should consult their advisors to obtain information about how these requirements are implemented in the school or college in which they are enrolled.

General Education Policies

- Only undergraduate-level college courses may satisfy General Education Requirements.
- Directed or Individualized Study may not be used to satisfy General Education Requirements.
- Because these requirements assume that students are engaged in focused study within the designated area of general education, requirements cannot be met with portions of courses.
- Exemption from General Education: All students are required to meet the fundamental degree requirements of the university, which include general education.
- Disability-Based Waivers: The university has determined that waivers to the communication and quantitative reasoning portions of the general education component would fundamentally alter the nature of the University of Wisconsin–Madison degree. Students should not expect to obtain disability-based waivers to the communication and quantitative reasoning portions of the General Education Requirements.
- Pass/Fail: Effective fall 2012, all courses taken to meet the University General Education Requirements must be taken on a graded basis. These grades are included in students' GPA calculations according to school/college GPA rules.

GRADUATING

Declaration of Intent to Graduate

When students expect to graduate, they must indicate their intent by completing the graduation application available in the MyUW Student Center. It is the policy of UW-Madison that all work for the degree must be completed and all degree requirements satisfied before the degree can be conferred.

Conferral of Degrees

When students have been certified as having completed all university general education, degree, and major requirements, the degree will be awarded. When the degree is awarded, a diploma will be issued, listing the degree earned, and the transcript updated to reflect the degree, major, and any other approved academic programs completed. Students who have holds (https://kb.wisc.edu/helpdesk/page.php?id=4139) on their records will not receive their diplomas, or be able to order transcripts, until the holds are cleared.

Commencement

Students who wish to attend the spring or winter commencement ceremony must indicate their intent by completing the graduation application available via Student Center in MyUW (https://login.wisc.edu/idp/profile/SAML2/Redirect/SSO/?execution=e4s1) by the posted deadline (https://commencement.wisc.edu/graduate-checklist/). Students may participate in the commencement ceremony (https://commencement.wisc.edu/), in which the chancellor and deans symbolically confer the degrees, even if all degree requirements have not been completed. Neither participation in the ceremony nor listing in the program conveys degree conferral. Students will not receive the diploma or transcript notation until all degree requirements are certified as complete by their respective school or college. Should a student's graduation plans change, updates to the intended term of graduation must be indicated via the graduation application in the MyUW Student Center.

ENROLLMENT AND RECORDS

ENROLLMENT AND RECORDS

The Office of the Registrar (https://registrar.wisc.edu/) is responsible for maintaining the academic records of students who attend the University of Wisconsin–Madison and for many services associated with these records, including enrollment and grading. The office is located at:

333 East Campus Mall #11101
Madison, WI 53715-1384
registrar@em.wisc.edu
608-262-3811

Many student services are available online in the Student Center on MyUW–Madison (MyUW) (https://login.wisc.edu/idp/profile/SAML2/Redirect/SSO/?execution=e2s1), including viewing grades, ordering transcripts, and updating address and emergency contact information. Students are responsible for the accuracy of the addresses provided in MyUW and for the courses selected when they enroll.

MyUW is available to eligible students, who gain access by using their Net ID and password from any device with internet access. For further information, see DoIT (Division of Information Technology) (http://it.wisc.edu/).

ENROLLMENT

Students enroll for courses, obtain information about deadlines, view their class schedule, and more in the Course Search & Enroll (http://public.enroll.wisc.edu) application on MyUW (https://login.wisc.edu/idp/profile/SAML2/Redirect/SSO/?execution=e3s1). Information about key deadlines and course enrollment are also available at the Office of the Registrar website (https://registrar.wisc.edu/). Additional assistance with the course enrollment process is available by calling 608-262-3811 or emailing registrar@em.wisc.edu.

GRADING SYSTEM

The general quality of a student's work is expressed in terms of a grade point average (GPA). It is based on the total number of credits taken for which grades of A through F are received. Semester grades are reported by letter only; plus and minus signs are not authorized. The highest

possible GPA is 4.0, representing A grades in every course; the lowest possible is 0.0. The following is the official scale of grades at UW–Madison.

Grades with Associated Grade Points per Credit

Grade		Grade Points Per Credit
A	Excellent	4
AB	Intermediate Grade	3.5
B	Good	3
BC	Intermediate Grade	2.5
C	Fair	2
D	Poor	1
F	Failure	0

Excluded from the GPA calculation are:

S or U (Satisfactory or Unsatisfactory) in courses taken on the pass/fail basis.

SD/UD (Satisfactory-Disruption/University Disruption-No Credit): special grading option for students in response to the COVID-19 events.

S/M/U (Satisfactory/Marginal/Unsatisfactory) in courses offered only through the School of Veterinary Medicine.

Cr or N (Credit or No Credit) in courses offered on a credit/no credit basis.

Def (Deferred), Ex (Excused), PE (Permanently Excused), formerly used only for required Physical Education. The Physical Education requirement was discontinued effective August 30, 1976.

DR (Dropped), indicates the course was dropped.

I (IN for Cr/N Courses) (Incomplete), a temporary grade used when work is not completed during a term.

EI (Extended Incomplete), a temporary grade for an extended time limit to remove an Incomplete.

PI (Permanent Incomplete), a permanent grade replacing an Incomplete incurred in a student's last semester in residence and not removed within five years.

NR (No Report), indicates that a grade was not submitted by the instructor. Has no net effect on GPA. Effective Summer 1999.

NW (No Work)..."should be used for students who enroll in a course and then never attend. 'No Work' in this context means that the instructor has no evidence that the student ever attended, in that no course work was ever submitted. Any student who does attend for part of the semester, and then stops participating should be given a grade of 'F' unless there are grounds for assignment of a grade of 'I'(Incomplete)." Fac. Doc. 1028; effective 9/94.

P (Progress), a temporary grade used for courses extending beyond one term. The final grade determines the grade for each term and replaces P grades for the course.

Q (Question on Credits or Honors), a temporary grade used during grade reporting to indicate a credit problem. Should only be used when the student is enrolled for the wrong number of credits or their honors indication is incorrect. A Q grade may be represented on a grade report as "?".

R (Registered), not used after the Summer 1974.

W (Withdrew), indicates the student withdrew from the University while enrolled in the course.

Audited courses, denoted as such by 'AU' in place of a number of credits, are graded either S (Satisfactory) or NR (No Report).

CREDIT/NO CREDIT COURSES

Some courses are designated as being offered on a Credit/No Credit basis. The transcript for the course will indicate either CR, meaning the student earned the credits for which the course was offered, or N, meaning that the student did not earn any credit even though enrolled for the course. Students may not take such courses on any other basis.

PASS/FAIL

Policy on Use of Pass/Fail Grading Option for Undergraduates

This policy concerns the use of the pass/fail grading option for degree-seeking undergraduate students. According to the UW–Madison grading scale, grades of S (satisfactory) and U (unsatisfactory) are the transcripted grades that are used for what is commonly known as pass/fail. It applies only to courses that use the default A–F grading scale and that also allow students to choose to take a course on a pass/fail (PF) basis.[1]

The instructor enters the letter grade earned by students on the grade roster, and those letter grades are subsequently recorded as a pass (S) or fail (U) on the student record. A pass (S) will be recorded when a letter grade of A through C is earned. A fail (U) will be recorded when a letter grade of D or F is earned. In addition to the S or U notation, the student transcript includes the symbol # for courses that were taken on a pass/fail basis. Neither the S nor the U is used in computing the grade point average. Instructors are not informed that a student has elected to take the course pass/fail.

Student Eligibility

Students must be in good academic standing according to their school/college in order to be eligible to request the pass/fail grading option.

Undergraduates may carry one course on a pass/fail basis per term and a maximum of 16 credits during their undergrad career. The summer sessions collectively count as a single term.

Required courses cannot be taken on a pass/fail basis. The student's school or college may review the request to take a course pass/fail and reject requests for nonelective work. It may be difficult for the school or college official to determine whether a course is an elective or being used to fulfill a requirement since a student's enrollment or the way a course is being used in the specific program of study may change. Ultimately it is the student's responsibility to be sure that the requested course is an elective. Students are strongly advised to consult with an academic advisor before taking a course pass/fail. Courses taken on a pass/fail basis will not count for nonelective requirements even if they would normally count toward such requirements.

Each school or college is responsible for clearly communicating to its students what the definition of "good academic standing" is and what a free elective is.

In each school or college, the office responsible for academic policy exceptions is authorized to make exceptions to the pass/fail policy.

Process for Requesting the Pass/Fail Grading Option

Students indicate that they would like to have a course they are enrolled in graded on a pass/fail basis by completing a course change request via their Student Center (see Course (https://kb.wisc.edu/registrar/7700/)Change Request for detailed information). Students may submit pass/fail requests via their Student Center from the time that they enroll until midnight on the Friday at the end of the fourth week of fall and spring semesters. (For modular and summer session courses, pass/fail requests must be submitted by midnight Friday of the week in which the session is one-fourth completed).

The deadline for requesting the pass/fail grading option is posted on the Office of the Registrar website (https://registrar.wisc.edu/dates/). These deadlines are based on the idea that the pass/fail option is intended to encourage students to explore educational opportunities that they might otherwise not be willing to attempt. Pass/fail is not intended as a way for students to avoid academic consequences.

Once the student has submitted the request to take a course on a pass/fail basis the request is routed via Student Information System workflow to an academic dean in the school or college for approval or further communication with the student. The school/college official must approve the request before the grading option is changed to pass/fail by the Office of the Registrar.

Students can see whether a course is being graded on a pass/fail basis in the MyUW Student Center's Academic Records > View Grades section.

[1] For study abroad programs operated by the College of Engineering, courses taken abroad toward an engineering major will be posted as pass/fail. This occurs automatically and is not a student option; this practice is not covered or affected by this policy.

FAILURES

Every course grade of F counts as 0 grade points and remains permanently on the transcript. If the course is repeated, the original F will remain on the transcript and will be included in computing the GPA.

INCOMPLETES

This is a summary of the Undergraduate and Special (Nondegree) Student Lapsed Incomplete Grades policy. Click here *(*https://policy.wisc.edu/UW-1094/*) to view the official policy in its entirety in the UW-Madison Policy Library.*

A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework.

To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

The student must initiate the request for a grade of Incomplete with the instructor before the end of the term. The instructor and student must agree on the coursework to be completed and establish a plan for the work to be submitted by the student, and the instructor-assigned grade change to be entered in the student information system and updated on the student record prior to the deadlines below.

Deadline for Resolving Incomplete Grades

- Incomplete grades assigned in spring semester or summer term must be updated on the student record by the Friday of the eighth week of the following fall term.
- Incomplete grades assigned in fall semester must be updated on the student record by the Friday of the eighth week of the following spring term.

Consequences for Not Completing Coursework

If the Incomplete grade is not changed to a final grade by the Friday of the eighth week deadline, the Incomplete grade will be changed (lapsed) to a grade of F or N (for Credit/No Credit courses).

If the outstanding work is unable to be completed by the deadline due to additional extenuating circumstances, the instructor may extend the time the student has to complete outstanding work by submitting a request to change the Incomplete grade to a grade of Extended Incomplete (EI).

- The Extended Incomplete grade must be accompanied by a new deadline date which should typically be no later than the last day of instruction for that semester/term.
- If the Extended Incomplete grade is not changed to a final grade by the deadline date specified by the instructor, the grade will be changed to a grade of F or N (for Credit/No Credit courses).

A graduating student with an Incomplete grade must complete all coursework before their degree can be awarded. The completion of coursework after the intended term/semester of graduation means that a student will be awarded their degree at the next official conferral date.

AUDIT

Students may audit eligible courses with instructor and academic dean consent if no laboratory or performance skills are involved. Auditors may not recite or take examinations but are expected to attend classes regularly and do some assigned work. Although courses for which students enroll as an auditor are factored into tuition, such courses do not earn academic credit and do not count in determining full-time/part-time load for enrollment certification in an academic term. Students initiate a request to audit by completing a course change request via Student Center (see Course Change Request (https://kb.wisc.edu/registrar/7700/) for detailed information). Students may submit audit requests via Student Center from the time that they enroll until midnight on the Friday at the end of the fourth week of fall and spring semesters. (For modular and summer session courses, audit requests must be submitted by midnight Friday of the week in which the session is one-fourth completed). School and college policies may vary from this description. Students are advised to consult with the instructor concerning specific course requirements that must be satisfied.

CLASS STANDING

Students are classified by year according to the number of credits they have earned:

Freshman: fewer than 24 credits
Sophomore: 24-53 credits
Junior: 54-85 credits
Senior: 86 or more credits

TUITION AND FEES

The UW System Board of Regents sets tuition and fee rates annually. Rates are subject to change without notice.

The tuition and fee schedule is available on the Bursar's Office website (https://bursar.wisc.edu/tuition-and-fees/). Students whose first enrollment for the term is after the first Friday of the official first week of classes are assessed a late initial enrollment fee. Exception: Special

and Guest students have until the Friday of the second week of classes to enroll.

Enrolled students can view account charges/payments, financial aid (loans, grants, scholarships) received, and refunds on their MyUW (https://login.wisc.edu/idp/profile/SAML2/Redirect/SSO/?execution=e5s1) Student Center, Financial Account. Students can also access links to view and pay student account eBills, set up Authorized Payers for account access, and enroll for eRefund.

The Bursar's Office provides the student account bill electronically (eBill). The eBill is published on the MyUW (https://login.wisc.edu/idp/profile/SAML2/Redirect/SSO/?execution=e5s1) Student Center payment portal. Students and their Authorized Payers receive an email when the eBill is available to view.

For questions about tuition rates, student account activity and billing questions, contact the Bursar's Office.
tuition@bussvc.wisc.edu (include student ID and name)
608-262-3611
333 East Campus Mall #10501
Madison, WI 53715-1383

Making Payments

Student Account payment options include making an online ePayment, mailing a check to the Bursar's Office, or placing a check in the first-floor lobby dropbox. For detailed payment information, see Payment Methods (https://bursar.wisc.edu/student-tuition-account/payment-methods/) on the Bursar's Office website.

If the balance is not paid by the due date, a late fee is assessed and a hold is placed to prevent future enrollment until the account is paid.

RESIDENCE FOR TUITION PURPOSES

At the University of Wisconsin-Madison, residence for tuition determinations are governed by Wisconsin Statutes 36.27(2). The standards to qualify as a Wisconsin resident are unique to this law and may differ from standards used to determine residency for other purposes, such as voting, paying taxes, obtaining licensures, and other forms of residency. In general, eligibility for resident status requires that an independent student (or the student's parent, if the student is a dependent) must demonstrate bona fide residency in Wisconsin for at least twelve months immediately prior to enrollment for any term. However, the law also states that individuals who come to Wisconsin primarily for educational purposes do not qualify as Wisconsin residents for tuition purposes, even if they meet the remaining eligibility criteria. As a result, students who begin their enrollment as nonresidents usually maintain nonresident status for the duration of their enrollment.

While all individuals who do not demonstrate eligibility under Wisconsin Statutes 36.27(2) will be classified as nonresidents, the law does provide a limited set of exceptions to twelve-month period normally required to establish bona fide residency. These exceptions pertain to some (but not all) individuals who are refugees in Wisconsin, who have certain military or veteran statuses, or who have relocated to Wisconsin for full-time, permanent employment under certain conditions. If you have questions about whether your circumstances might align with the exemptions noted here, you may wish to contact a residence specialist to discuss your residency further.

For more information and the full text of Wisconsin Statutes, Section 36.27(2), see the Office of the Registrar website (https://registrar.wisc.edu/residence/) or contact a residence specialist at 608-262-1355 or ResidenceForTuition@registrar.wisc.edu.

Nonresident students who plan to use federal veteran benefits such as the post-9/11 GI Bill may be eligible for resident tuition rates even though they are formally classified as nonresidents of Wisconsin. If you plan to use veteran benefits while enrolled at UW-Madison, you may wish to speak with University Veterans Services at 608-265-4628 or veterans@wisc.edu for more information about how to use your military benefits at the University.

MINNESOTA RECIPROCITY FOR TUITION RATES

Minnesota residents who are certified by the Minnesota Office of Higher Education for the appropriate term to attend UW–Madison under the Minnesota–Wisconsin Tuition Reciprocity Agreement will be assessed the approved reciprocity tuition rate, plus the segregated fees assessed to all UW–Madison students. Students under this program will be classified as nonresidents of Wisconsin. Minnesota residents must apply to the Minnesota Office of Higher Education for verification of their eligibility for reciprocity.

To learn more about eligibility, application procedures, and deadlines, visit the UW-Madison Minnesota Reciprocity website (https://registrar.wisc.edu/reciprocity/). Students may apply online on the Additional information can also be found at the Minnesota Office of Higher Education website (http://www.ohe.state.mn.us/).

It is the student's responsibility to inquire about application procedures, deadline dates, and reapplication procedures. Students may apply online on the Minnesota Office of Higher Education website (http://www.ohe.state.mn.us/). Questions may be directed to the Minnesota Office of Higher Education:
1450 Energy Park Drive, Suite 350
St. Paul, MN 55108-5227
651-642-0567 or 1-800-657-3866

They may also be directed to the UW–Madison Office of the Registrar (https://registrar.wisc.edu/):
333 East Campus Mall #11101
Madison, WI 53715-1384
registrar@em.wisc.edu
608-262-3811

RULES, RIGHTS, AND RESPONSIBILITIES

RULES, RIGHTS, AND RESPONSIBILITIES

STUDENT PRIVACY RIGHTS (FERPA)

Students have the right to inspect and review most education records maintained about them by the University of Wisconsin-Madison and, in many cases, decide if a third person can obtain information from them. Students may challenge information in their records which they believe to be inaccurate, misleading, or inappropriate.

The university has adopted a policy statement implementing all provisions of the Family Educational Rights and Privacy Act (FERPA). A copy of this statement may be obtained at the Office of the Registrar (https://registrar.wisc.edu/), 333 East Campus Mall #11101. The university, in

accordance with the act, has designated the following as "directory information," which is publicly available unless a student asks to have any or all of it withheld: name; postal address; telephone numbers; e-mail addresses; date of birth; major field(s) of study and number of academic credits earned toward degree; attendance status (including current year, credit load, and full-or part-time status); dates of attendance (matriculation and withdrawal dates); degrees and awards received (type of degree and date granted); previously attended educational agencies or institutions; participation in officially recognized activities; and participation in athletics and weight and height of athletes.

Students wishing to keep some or all of their "directory information" confidential should restrict their information in the Student Center in MyUW (https://login.wisc.edu/idp/profile/SAML2/Redirect/SSO/?execution=e6s1). Students with questions about the provisions of the act or who believe the university is not complying with the act may obtain assistance from the Office of the Registrar:
333 East Campus Mall #11101
Madison, WI 53715-1384
reginfo@em.wisc.edu
608-262-3811

Students have the right to file complaints alleging university noncompliance with the act with the federal agency that enforces the act. The address is: The Family Educational Rights and Privacy Act Office (https://studentprivacy.ed.gov/ferpa/), Department of Education, 330 Independence Avenue SW, Washington, DC 20201.

Information about the Family Educational Rights and Privacy Act of 1974, as amended, is distributed during Wisconsin Welcome and is available at:
Office of the Registrar (https://registrar.wisc.edu/)
333 East Campus Mall #11101
Madison, WI 53715-1384

Undergraduate students will also be prompted to review this information before enrolling in courses each fall and spring term.

AVAILABILITY OF ACADEMIC RECORD INFORMATION TO PARENTS OR GUARDIANS OR OTHERS

A student may authorize a third party (e.g., a parent, guardian, spouse, potential employer, etc.) access to academic record information. An authorization form (https://registrar.wisc.edu/ferpa-restrict/) is available at the Office of the Registrar's website, or by visiting the Office of the Registrar (https://registrar.wisc.edu/), 333 East Campus Mall #11101. The authorization form permits release of specified information on a one-time basis to the specified third party. If no authorization is on file, it will be assumed that the student does not wish to give a third party access to academic record information. This policy is designed to give students specific control over the parties to whom academic record information may be released.

Grade reports will not be sent by the university to parents or guardians. Students are urged to keep their parents informed of their academic progress.

ACADEMIC INTEGRITY

UW–Madison students are required to conduct their academic work with integrity.. Students have due process rights if they are accused of academic misconduct. It is important students:

- be familiar with the rules of academic misconduct (UWS Ch. 14 (https://docs.legis.wisconsin.gov/code/admin_code/uws/14/));
- ask their instructors if they are unsure (for example, using sources in a paper or if collaboration with another student is permitted);
- tell their instructors if they see misconduct;
- don't help someone else cheat, it is a violation of the rules

Additional information is on the Office of Student Conduct and Community Standards website (https://conduct.students.wisc.edu/). Students can contact the office via phone at 608-263-5701 or conduct@studentafairs.wisc.edu.

STUDENT RIGHTS AND RESPONSIBILITIES

Every member of the University of Wisconsin-Madison community has the right to conduct their academic and social life in an environment free from threats, danger, or harassment. Students are also responsible for conducting themselves in a manner compatible with membership in the university and local communities.

UWS Chapters 17 and 18 of the Wisconsin Administrative Code list the university policies students are expected to follow and describes the procedures used when students are accused of misconduct, including possible outcomes. Review the complete text of UWS Chapter 17 (https://docs.legis.wisconsin.gov/code/admin_code/uws/17/); and additional information is on the Office of Student Conduct and Community Standards website (https://conduct.students.wisc.edu/academic-misconduct/), or contact the office via phone at 608-263-5701 or conduct@studentaffairs.wisc.edu.

STUDENT GRIEVANCE PROCEDURE

Any student at UW-Madison who feels that they have been treated unfairly has the right to voice a complaint and receive a prompt hearing of the grievance. The basis for a grievance can range from something as subtle as miscommunication to the extreme of harassment.

Each school or college has a procedure to hear grievances. Generally the process involves an informal attempt to solve the problem, if appropriate. If not, more formal proceedings can be undertaken until a resolution is reached. Advisors and school or college offices have detailed information. For assistance in determining options, students can contact the drop-in staff member within the Office of Student Assistance and Support at 608-263-5700, within Bascom Hall, Room 70, Monday–Friday, 8:30 a.m.–4 p.m.

SEEKING ASSISTANCE

The Office of Student Assistance and Support (https://osas.wisc.edu/) assists students with matters outside of the classroom. They assist with a variety of concerns and connecting students with resources on campus. A great place to start when you don’t know where to go.

If you need personal assistance or resources, staff members in the Office of Student Assistance and Support are available on a drop-in basis, Monday-Friday. Reach out if you are dealing with a financial crisis, sudden health issues, housing/food insecurity, or other sensitive situations.

A student can seek help at many places on campus, for both personal and academic problems. For answers to general questions on many topics, a good place to start is Ask Bucky (https://info.wisc.edu/ask-bucky/), which is an excellent general referral service.

For personal concerns, Mental Health Services, a unit of University Health Services (http://www.uhs.wisc.edu/), offers individual, group and couple counseling services. Experienced counselors, psychologists, and psychiatrists can assist students in addressing depression and

managing anxiety, and in developing self-awareness and understanding, independence, and self-direction. Our experienced staff is committed to understanding and respecting every individual. Mental Health Services is located at 333 East Campus Mall; 608-265-5600. In addition, an on-call dean in Student Assistance and Judicial Affairs is usually available by telephone (608-263-5700) or on a drop-in basis (75 Bascom Hall) Monday–Friday, 8:30 a.m.–4:30 p.m. UHS also offers students at 24/7 crisis line for mental health support. 608-265-5600 (option 9).

For academic problems, many places can offer help. The student should first discuss the problem with the professor or TA. If the problem is not resolved at that time, the student can speak with an academic advisor or the chair of the department. If further assistance is needed, the student should contact one of the academic deans in the school or college.

STUDENT AFFAIRS

STUDENT AFFAIRS

Student Affairs at UW–Madison (https://students.wisc.edu) serves students in areas including health and well-being, identity and inclusion, leadership and engagement, and student advocacy. Its multiple departments collaborate broadly across the many programs and campus units that serve students, such as the Division of Diversity, Equity and Educational Achievement (https://diversity.wisc.edu/), International Student Services (https://iss.wisc.edu), and University Housing (https://www.housing.wisc.edu/), to enhance UW–Madison as a welcoming and inclusive community for all students.

ASSOCIATED STUDENTS OF MADISON (ASM)

4301 Student Activity Center
333 East Campus Mall
608-265-4276 (265-4ASM)
Email: info@asm.wisc.edu
Web: asm.wisc.edu (http://asm.wisc.edu)
Facebook: Associated Students of Madison (https://www.facebook.com/ASMStudentGov/)
Instagram: https://www.instagram.com/asmstudentgovt/

- Promotes student voice as it pertains to legislative, diversity, and university affairs
- Distributes funding for student activities, organizations, and events to maximize student involvement in shaping campus life
- Supports elected student representatives
- Serves as the home for student Shared Governance, which ensure that students have a voice in setting and executing campus policies that impact student life
- Supports the Open Seat Food Pantry, which strives to alleviate the stresses of food insecurity for those who need support.
- Provides policy direction to the Student Activity Center, which offers office and meetings space to student organizations
- Coordinates the funding and policy decisions for the student bus pass every semester, which allows students to take unlimited rides on any Madison Metro bus route, in addition to the free campus bus routes

GENDER AND SEXUALITY CAMPUS CENTER

137 Red Gym
716 Langdon Street
Phone: 608-265-3344
Email: LGBTQ@StudentAffairs.wisc.edu
Web: lgbt.wisc.edu (http://lgbt.wisc.edu)
Instagram: @UWGSCC (https://www.instagram.com/uwgscc/)

- Provides support to LGBTQ+ students and their communities through trainings, workshops, a Discord server, the website, newsletter, and resource library
- Advocates for LGBTQ+ students through policies and procedures including bias reporting, restroom policy, name and pronoun display, RecWell inclusion, and trans health care
- Organizes health and identity courses, a peer mentor program, identity-based discussion groups, and a council of 20+ student organizations
- Coordinates educational and community-building events, including Trans Monologues, Rainbow Graduation, and dozens of recurring programs per semester
- Fosters connections through Crossroads, a suite of programming for LGBTQ+ students of color, and Qouncil, a coalition of 20+ LGBTQ+ student organizations

MCBURNEY DISABILITY RESOURCE CENTER

702 West Johnson Street, Suite 2104
608-263-2741
Email: mcburney@studentlife.wisc.edu
Web: mcburney.wisc.edu (http://mcburney.wisc.edu)
Facebook: McBurney Disability Resource Center (https://www.facebook.com/McBurney-Disability-Resource-Center-1408271469436889/)
Text: (608) 225-7956

- Promotes accessible, open, and welcoming campus community for students with disabilities
- Works with students with a variety of disabilities such as psychological/mental health, learning, chronic health, ADHD, vision, hearing, mobility, etc
- Develops individualized accommodation plans for students with disabilities and provides classroom accommodations to students with disabilities taking undergraduate, graduate, and professional school courses
- Provides information and referral services on disability issues for students, faculty, staff, and campus visitors
- Offers peer education and campus programming around disability issues and inclusive practices

MULTICULTURAL STUDENT CENTER

716 Langdon Street
608-262-4503
Web: msc.wisc.edu (http://msc.wisc.edu/)
Facebook: UW–Madison Multicultural Student Center (https://www.facebook.com/UWMulticultural/)
Instagram: @UWMulticultural (https://twitter.com/@UWMulticultural/)

- The MSC includes the Black Cultural Center, APIDA (Asian Pacific Islander Desi American) Student Center, Indigenous Student Center, and Latine Cultural Center. Each identity center hosts events and programs throughout the academic year.
- Provides spaces, services, and events for students to find community and belonging
- Celebrates and honors heritage and history through monthly recognitions including Latine Heritage Month, Native November,

Black History Month, Middle Eastern North African Heritage Month, and APIDA Heritage month
- Organizes 'MCOR' and 'The Meet Up,' welcome week events featuring cultural performances and affiliated student organizations
- Develops leadership development opportunities for student leaders through internships, committees, and affiliated student organization opportunities

OFFICE FOR STUDENT ORGANIZATIONS, LEADERSHIP & INVOLVEMENT

(formerly the Center for Leadership & Involvement)

Student Activity Center
3rd Floor, 333 East Campus Mall
608-263-0365
Web: soli.wisc.edu (https://soli.wisc.edu)
Facebook: facebook.com/UWSOLI (https://www.facebook.com/UWSOLI/)
Twitter: @UWSOLI (https://twitter.com/uwsoli/)
Instagram: @uwsoli (https://www.instagram.com/uwsoli/)

- Manages the Student Activity Center (3rd and 4th floors of 333 E. Campus Mall), which offers office and meeting spaces to student organizations.
- Facilitates the registration and advising for more than 1,000 student organizations
- Hosts student organization fairs in fall and spring
- Supports leadership development opportunities, such as the Wisconsin Experience Bus Trip and also advises the Student Leadership Certificate Program (SLP)
- Administers the UW–Madison Leadership Certificate

OFFICE OF FRATERNITY & SORORITY LIFE

University Club – 432 East Campus Mall
Phone: 608-265-9019
Email: advisor@fsl.wisc.edu
Web: https://www.fsl.wisc.edu
Instagram: https://www.instagram.com/fsl_uwmadison (https://www.instagram.com/fsl_uwmadison/)

- Advises more than 100 student leaders who serve in council and community leadership roles
- Plans and implements programming to support the development of members in multiple areas, such as leadership and harm prevention
- Reinforces expectations of the fraternal experience and supports a variety of accountability processes

OFFICE OF INCLUSION EDUCATION

Office of Inclusion Education
716 Langdon Street, Office #123
Email: inclusioneducation@studentaffairs.wisc.edu
Web: http://inclusioneducation.wisc.edu
Instagram: https://www.instagram.com/uw_inclusioneducation/

The Office of Inclusion Education elevates and prioritizes inclusion for all students at UW-Madison and provides:

- Workshops for students
- Workshops for faculty and staff who interact with students
- Required first-year student programs, including Our Wisconsin and Free Expression at UW-Madison (https://inclusioneducation.wisc.edu/programs/)
- An annual leadership retreat (https://inclusioneducation.wisc.edu/leadership-retreat/) for students
- Support for first-generation college students
- Support for students affected by war and displacement
- Online guides and materials about inclusive practices

OFFICE OF STUDENT ASSISTANCE AND SUPPORT

(formerly the Dean of Students Office)

70 Bascom Hall
500 Lincoln Drive
608-263-5700
Email: osas@studentaffairs.wisc.edu
Web: osas.wisc.edu (https://osas.wisc.edu)

- Creates a culture of care so students know the Office of Student Assistance and Support is the place to go when you need support
- Connects students who are navigating personal, academic, financial, or health issues, to supportive campus and community resources
- Provides walk-in, email, virtual, and call-in assistance meetings to discuss concerns that students have without judgement
- Supports students who have concerns about their friends and classmates
- Supports Staff and Faculty who have concerns about students

OFFICE OF STUDENT CONDUCT AND COMMUNITY STANDARDS

724 West Johnson
608-263-5701
Email: conduct@studentaffairs.wisc.edu
Web: conduct.students.wisc.edu (https://www.conduct.students.wisc.edu)

- Upholds every student's right to learn in a safe community
- Fosters integrity and accountability
- Challenges and supports students to reflect, integrate and act on their Wisconsin Experience
- Partners with instructors to resolve academic misconduct

OFFICE OF STUDENT TRANSITION & FAMILY ENGAGEMENT

(formerly the Center for the First-Year Experience)

155 Middleton Building
1305 Linden Drive
608-263-0367
Web: newstudent.wisc.edu (http://newstudent.wisc.edu)
Instagram: https://www.instagram.com/uwnewstudent/

- Collaborates with campus partners to plan and implement Student Orientation, Advising, and Registration (SOAR) for incoming undergraduates and their families
- Oversees the Transfer Transition Program, which provides support services to new transfer students on campus

- Offers seminar courses on the Wisconsin Experience and provides consultation and support to faculty and graduate students who work with first-year students
- Houses the Parent and Family program, which welcomes parents and family members to UW-Madison so they can encourage and reinforce their student's success
- Organizes Wisconsin Welcome, the campus wide welcome week of events for new students to explore campus, make community, and have fun on campus

UNIVERSITY HEALTH SERVICES (UHS)

333 East Campus Mall
608-265-5600
Email: uhs@uhs.wisc.edu
Web: uhs.wisc.edu (https://www.uhs.wisc.edu)
Facebook: https://www.facebook.com/UHSMadison (https://www.facebook.com/UHSMadison/)
Instagram: @uhsmadison (https://www.instagram.com/uhsmadison/)

- Offers comprehensive, high-quality medical, mental health, and prevention services to UW-Madison students
- Most services are available at no additional charge since students pay for UHS services with their tuition and fees
- Services are designed to meet student health needs, including mental health counseling, health screenings, treatment of common health concerns, support for survivors of sexual assault and students recovering from substance dependence, and more

UNIVERSITY RECREATION AND WELLBEING (REC WELL)

797 W. Dayton Street
608-262-8244
Email: hello@recwell.wisc.edu
Web: https://recwell.wisc.edu
Facebook: https://www.facebook.com/uwrecwell (https://www.facebook.com/uwrecwell/)
Twitter: https://twitter.com/UWRecWell (https://twitter.com/UWRecWell/)
Instagram: @uwrecwell (https://www.instagram.com/uwrecwell/)

- Moves students to play hard, get fit, and live well on campus by fostering a culture of healthy habits through recreational programs and offerings
- All full-time students are Rec Well members (funded by segregated fees) with unlimited access to our state-of-the-art indoor facilities, outdoor multipurpose fields and courts, cardio/strength equipment, swimming pools and diving well, as well as multi-sport gyms and courts
- Offers a wide variety of programs including intramural sports, sport clubs, group fitness, personal training, wellbeing services, nutrition services, athletic training, lessons (swim, tennis, and ice skating), first aid/CPR/AED certification, and lifeguard training classes
- We provide inclusive and accessible programs to the Madison community and have a variety of accessibility options across our programs, services, and facilities
- Employs more than 1,200 student employees each year in a wide range of program areas, including building operations, member services, human resources, marketing and communications, fitness

UNIVERSITY VETERAN SERVICES

333 East Campus Mall, Room 10320
608-265-4628
Email: veterans@wisc.edu
Web: veterans.wisc.edu (https://www.veterans.wisc.edu)
Facebook: https://www.facebook.com/uwveterans (https://www.facebook.com/uwveterans/)
Instagram: https://www.instagram.com/uwveterans/

- Certifies both state and federal military/veteran education benefits, advises students on the use of education benefits, and assists with applying for new benefits
- Develops programming to build community among our military-connected students and campus as a whole
- Educates the greater campus community and act as a resource for faculty/staff
- Supports students called to active duty in accordance with the Active Duty Policy (https://policy.wisc.edu/library/UW-1034/)

Isakson Roe (PL 116-315) Section 1018 Disclosures

- Amounts Covered By VA Education Benefits
- Estimated Cost Of Attendance
- Graduation Rates
- Transfer Credit Rules – Including Military Credit
- Graduate Outcomes
- License And Certifications For Professions

DoD Policies & Tuition Assistance (TA) (https://veterans.wisc.edu/military-tuition-assistance/)

WISCONSIN UNION

Memorial Union
800 Langdon Street
Madison, WI 53706
608-265-3000

Union South
1308 W. Dayton St.
Madison, WI 53715
608-890-3000

Email: union@union.wisc.edu
Web: union.wisc.edu (https://www.union.wisc.edu)
Facebook: https://www.facebook.com/TheWisconsinUnion (https://www.facebook.com/TheWisconsinUnion/)
Instagram: https://www.instagram.com/wisconsinunion (https://www.instagram.com/wisconsinunion/)

- Hosts more than 1,000 events each year, including theater performances, live music, art classes, outdoor activities, cuisine-related events, free film showings, talks by thought leaders and much more. Most events are free.
- Provides student leadership opportunities, including some positions that provide stipends for 60-80% of in-state tuition
- Offers many ways to enjoy and learn about the outdoors through Outdoor UW, including kayak and canoe rentals

- Provides more than 30 dining options at Union South, Memorial Union and satellite cafes and markets throughout downtown Madison
- Provides spaces for studying, relaxing, and dining at Memorial Union, Union South, and the seasonally open Memorial Union Terrace
- Offers an open arts studio, called Wheelhouse Studios, with spaces that can be used on a drop-in or reservation basis
- Offers outdoor equipment rentals through Outdoor UW, including camping equipment, climbing equipment, snowshoes (seasonally), ice skates (seasonally), and paddling equipment (seasonally)
- Provides billiards and bowling activities, as well as board and video game use at Sett Recreation at Union South
- Employs more than 1,000 students, who work in more than 70 kinds of jobs throughout the Union's departments

ACADEMIC CALENDAR

ACADEMIC CALENDAR

Establishment of the academic calendar (https://www.secfac.wisc.edu/academic-calendar/) for the University of Wisconsin–Madison falls within the authority of the faculty as set forth in Faculty Policies and Procedures. Construction of the academic calendar is subject to various rules and guidelines prescribed by the Board of Regents, the Faculty Senate and State of Wisconsin legislation. The Faculty Senate approves an academic calendar which spans a future five-year period.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES

OVERVIEW

Students curious to discover how our living world works and how they can improve it — from the smallest microbe to ecosystem-wide weather patterns — will find a home in the College of Agricultural and Life Sciences. Students explore global questions in these five CALS areas of study:

- Health and nutrition
- Food and agriculture
- Biological sciences
- Sustainability, natural resources, and the environment
- Business, communication, and society

CALS brings together students, faculty, and staff from diverse backgrounds to create an enriching and welcoming culture that produces socially aware graduates who will make an impact locally and globally.

CALS students are passionate about using science to improve the world, and CALS programs encourage students to pursue their passions in the classroom and beyond.

CALS students gain critical thinking, research, and communication skills that lead them to careers in a wide variety of industries and public service — including biotechnology, healthcare, food, and agriculture — and prepare them well for graduate and professional studies at top-ranked institutions.

Students in all majors graduate on average in four years.

CALS faculty are involved in all aspects of student education, including teaching in classrooms, hosting research opportunities in labs, leading study abroad experiences, and providing professional mentorship to students.

CALS promotes working across disciplines; half of CALS students double-major or complete at least one certificate (similar to a minor).

As evidence of a strong community, CALS awards over $1.2 million in scholarships supported by alumni and friends eager to give new students the same positive experiences they enjoyed. These awards are in addition to university scholarships, grants, and loans.

CALS Signature Experiences reflect the core values of a CALS education and offer a variety of options for students in all majors:

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCE

All CALS majors include a senior-level capstone course that integrates interdisciplinary knowledge to address a problem of societal relevance and also helps prepare students for their future careers. Additionally, most students complete independent research under the guidance of internationally-recognized faculty researchers.

BUILD COMMUNITY AND NETWORKS

With more than 20 CALS-sponsored student organizations, students can build their professional networks early and enhance their leadership skills. Students also engage with faculty mentors, often for exploration of majors and career pathways.

CUSTOMIZE A PATH OF STUDY

More than half of CALS students double-major or complete at least one certificate (similar to a minor) to meet their goals and interests. To augment bachelor of science degrees for top students, CALS offers honors programs in research and in many majors.

MAKE A STRONG START

All CALS students take a First-Year Seminar to explore different areas of study, learn about how to access student services, and make friends. There are several seminars to choose from, including QuickStart (https://cals.wisc.edu/academics/undergraduate/quick-start/), an online course that allows students to begin their college career the summer before they arrive on campus.

GAIN GLOBAL PERSPECTIVE

Because CALS disciplines have global reach, students take at least one course with a purposeful international focus, and many students choose to study abroad. CALS offers more than 34 abroad programs specifically designed to fulfill CALS students' academic, professional and personal goals. In total, CALS students can choose from more than 250 UW–Madison study abroad programs.

CALS students are growing the future through a better understanding of living things. Explore our majors and certificates (p. 45) to learn more.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Agricultural and Applied Economics, BS (p. 52)
- Agricultural Business Management, BS (p. 56)
- Agroecology, BS (p. 195)
- Agronomy, BS (p. 201)
- Animal and Veterinary Biosciences, BS (p. 66)
- Animal Sciences, BS (p. 72)
- Biochemistry, BS (CALS) (p. 108)
- Biological Systems Engineering, BS (p. 117)
- Biology, BS (CALS) (p. 89)
- Business Management for Agricultural and Life Sciences, Certificate (p. 60)
- Community and Environmental Sociology, BS (p. 128)
- Dairy and Food Animal Management, BS (p. 78)
- Dairy Science, BS (p. 83)
- Development Economics, Certificate (p. 61)
- Entomology, BS (p. 135)
- Environmental Sciences, BS (CALS) (p. 229)
- Environmental Soil Science, Certificate (p. 237)
- Fermented Foods and Beverages, Certificate (p. 151)
- Food Science, BS (p. 153)
- Food Systems, Certificate (p. 132)
- Forest Science, BS (p. 157)
- Genetics and Genomics, BS (p. 170)
- Genetics in a Modern World, Certificate (p. 176)
- Global Health, BS (p. 140)
- Global Health, Certificate (p. 147)
- Horticulture, BS (p. 207)
- Individual Major, BS (p. 63)
- Life Sciences Communication, BS (p. 178)
- Microbiology, BS (CALS) (p. 101)
- Nutritional Sciences, BS (p. 185)
- Nutritional Sciences, BS Nutrition and Dietetics (p. 190)
- Organic Agriculture, Certificate (p. 220)
- Plant Pathology, BS (p. 222)
- Plant Science and Technology, BS (p. 213)
- Science Communication, Certificate (p. 184)
- Soil Science, BS (p. 239)
- Wildlife Ecology, BS (p. 164)

ENTERING THE COLLEGE

ADMISSION

CALS offers majors in a variety of topics within the life sciences and agriculture. Students who know they are interested in CALS areas of study but are uncertain about a specific major may choose "undecided" in CALS to take advantage of all that CALS has to offer students while they explore life science and agricultural science options.

Admissions for incoming first-year and transfer students are handled centrally through the UW-Madison Office of Admissions and Recruitment (https://admissions.wisc.edu/). However, through this process students will be directly admitted into CALS if they choose a CALS major, including the CALS undecided option. CALS majors do not have enrollment caps, and most do not have special admissions criteria.

All students, including incoming first-year and transfer students, with questions about study in the College of Agricultural and Life Sciences are encouraged to contact the CALS Office of Academic Affairs at academicaffairs@cals.wisc.edu. Prospective students can also connect with the college and learn more in a variety of other ways, including attending informational sessions, taking a tour, and connecting with student ambassadors.

For students transferring from another university or college, transfer credits are evaluated by the UW-Madison Registrar's Office (https://registrar.wisc.edu/transfer-your-credit-to-uw-madison/) after acceptance. Transfer students must complete all CALS degree requirements, including earning at least 30 credits at UW-Madison.

Students may also transfer to the College of Agricultural and Life Sciences from other schools and colleges at UW-Madison. For more information, contact the academic advisor in your intended major or the CALS Office of Academic Affairs (academicaffairs@cals.wisc.edu), or visit the CALS transfer information page (https://cals.wisc.edu/academics/undergraduate/visit-and-apply/transfer-students/).

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Opportunities to apply classroom learning to real-world settings are at the core of a CALS education. We offer a variety of CALS Signature Experiences for students in all majors to live the Wisconsin idea and fulfill the Wisconsin Experience (https://wisconsinexperience.wisc.edu/).

These opportunities fall into five major categories:

We want our students to make a strong start and every CALS first-year student can achieve that through a CALS First-Year seminar to explore different areas of study, learn about how to take advantage of campus resources, and make friends. There are several seminars to choose from, including QuickStart (https://cals.wisc.edu/academics/undergraduate/quick-start/), which allows students to begin their college career the summer before they arrive on campus.

CALS students learn through hands-on, real world experiences. A majority of CALS students earn credit for research experiences in labs and internships.

Through student organizations, peer advising and mentoring, and residential learning communities, students build their community and networks.

Students gain a global perspective by taking courses with an international focus and many students choose to study abroad. CALS offers more than 34 abroad programs, and students may also choose from general UW–Madison study abroad opportunities.

Finally, many CALS students take advantage of the ability to customize their path of study by participating in an honors program (p. 51), pursuing certificates or second majors, and choosing elective courses that match their interests and meet their goals.

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

Policies may be found on the Office of Academic Affairs KnowledgeBase (https://kb.wisc.edu/cals/academicaffairs/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

Students are advised to complete introductory and basic course requirements (i.e., biological and physical sciences, chemistry, mathematics, communications, etc.) early in their academic programs.

Students must also satisfy a minimum of 15 credits in the selected major that are not double counted with CALS or General Education requirements. All CALS students must also complete a capstone course in their major that meets the stated criteria.

CALS FIRST-YEAR SEMINAR REQUIREMENT

The CALS First-Year Seminar gives students a strong start to their undergraduate experience. Courses that meet the first-year seminar requirement provide an introduction to the opportunities and resources available at UW-Madison. They foster connections, community, and positive relationships through small-group discussions. Students

collaborate with instructors and peers to explore complex questions and develop important academic and personal skills. Students can meet the first-year seminar requirement through a variety of experiences, which have been approved by the college. Students can choose from stand-alone seminar courses, courses associated with learning communities/student groups, or First-Year Interest Groups (FIGS).

APPROVED FIRST-YEAR SEMINAR COURSES

Code	Title	Credits
First-Year Seminar Courses		
AN SCI 135	Grand Challenges and Career Opportunities in Animal and Dairy Sciences	1
BIOCHEM 100	Biochemistry Freshman Seminar	1
COUN PSY 125	The Wisconsin Experience Seminar	1
F&W ECOL 101	Orientation to Wildlife Ecology	1
GENETICS 155	Freshman Seminar in Genetics	1
INTEGSCI 100	Exploring Biology	2
INTEGSCI 140	Exploring Service in STEM	1
INTER-AG 155	Issues in Agriculture, Environment, and Life Sciences	1
INTEREGR 170	Design Practicum	3
INTER-HE 201	Belonging, Purpose and the Ecology of Human Happiness: EcoYou	3
LSC 155	First-Year Seminar in Science Communication	1
MICROBIO 150	Microbiomes and Microbiology - First-Year Seminar	1
Learning Community/Student Group Courses		
The following learning community/student group courses are approved as CALS First-Year Seminars. Only the specific course numbers and titles listed, including Topics titles (in parentheses), are approved.		
AFROAMER 271	Selected Topics in African American Culture (Topic: Multiculturalism Social Justice (Seminar for Multicultural Learning Community))	3
COUN PSY 115	Human Resources Development: Educational Effectiveness (Topics: First-Year Transition Active Student; PEOPLE First Year Experience Seminar)	1
INTEGSCI 110	BioHouse Seminar: Biology for the 21st Century	1
INTER-AG 117	GreenHouse Roots Seminar	1
INTER-AG 140	CALS QuickStart: Foundations	1
INTER-AG 175	WISE Seminar	1
INTER-LS 130	CRC First-Year Seminar: Foundations of a Liberal Arts Education	1
First-Year Interest Groups (FIGS)		
All First-Year Interest Groups (FIGS) meet the CALS first-year seminar requirement. For more information, see http://figs.wisc.edu/.		

CALS INTERNATIONAL STUDIES REQUIREMENT

Required of all CALS majors, the intent of the CALS international studies requirement is to deepen student knowledge and understanding of international issues related to scientific and sociological themes in CALS; develop openness, awareness and respect with regard to other cultures; and prepare students to address global challenges as engaged employees and active citizens.

The following learning outcomes must be satisfied for courses to fulfill the CALS International Studies requirement:

- Identify and explain, to diverse audiences, global issues pertaining to one or more CALS priority themes (https://cals.wisc.edu/about-cals/initiatives/strategic-plan/priority-themes/)
- Demonstrate critical thinking and comparative perspectives with respect to experiences or cultural approaches to international challenges

Courses that satisfy the 3-credit CALS international studies requirement must meet all of the following criteria:

- Be connected to one or more of the CALS priority themes
- Include substantial international comparative content
- Include substantial non-U.S. content (typically >50% of the content or assignments or grade in the course)
- Facilitate active student engagement consistent with the learning outcomes and university assessment criteria
- Fulfill 3 credits (either by a single course or a pair of courses)

APPROVED INTERNATIONAL STUDIES COURSES (EFFECTIVE FALL 2019 UNLESS OTHERWISE NOTED)

Code	Title	Credits
The 3 credit requirement may be fulfilled as either a stand-alone 3 credit course or as a set of courses as listed below.		
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 319	The International Agricultural Economy	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E 352	Global Health: Economics, Natural Systems, and Policy [2]	4
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
A A E/ECON 473	Economic Growth and Development in Southeast Asia	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON/ INTL BUS 462	Latin American Economic Development	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
AGROECOL 377	Global Food Production and Health	3

AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations [2]	3-4
C&E SOC/SOC 341	Labor in Global Food Systems [1]	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
CSCS 500	Global Health and Communities: From Research to Praxis	3
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM/ ENVIR ST 201	Insects and Human Culture-a Survey Course in Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
F&W ECOL/ ENVIR ST 100	Forests of the World [1]	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
LSC 251	Science, Media and Society [1]	3
NUTR SCI/ ENTOM 203	Introduction to Global Health	3
PL PATH/ BOTANY 123	Plants, Parasites, and People	3
PL PATH 311	Global Food Security	3
PLANTSCI 370	World Vegetable Crops	3
The following study abroad courses fulfill the CALS International Studies requirement. Only the specific course numbers and titles listed, including Topics titles (in parentheses), are approved to meet the CALS International Studies requirement.		
BIOCHEM 699	Special Problems (UW SCORE Summer Research in England)	3
BIOCHEM 699	Special Problems (UW SUPERG Summmer Research in Germany)	3
NUTR SCI/INTER-AG 421	Global Health Field Experience (UW Mobile Clinics and Health Care in Uganda)	3
INTER-AG 321 & INTER-AG/ NUTR SCI 421	Study Abroad Pre-Departure Seminar and Global Health Field Experience (UW Global Health Community Health and Asset-Based Community Development in Sri Lanka)	3
INTER-AG/ NUTR SCI 421	Global Health Field Experience (UW Food Security, Community Nutrition, and Public Health in Ghana)	3
INTER-AG 321 & INTER-AG/ NUTR SCI 421	Study Abroad Pre-Departure Seminar and Global Health Field Experience (UW Agriculture, Health and Nutrition in Uganda)	3
INTER-AG/ NUTR SCI 421	Global Health Field Experience (UW Health, Education and Tanzanian Culture)	3
MICROBIO 399	Coordinative Internship/ Cooperative Education (UW Biological Sciences Research Internships in Thailand)	3
PLANTSCI 376 & PLANTSCI 378	Tropical Horticultural Systems and Tropical Horticultural Systems International Field Study	4
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472 & DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 473	Animal Agriculture and Global Sustainable Development and International Field Study in Animal Agriculture and Sustainable Development	3

[1] Approved for enrollments Summer 2020 and later.
[2] Approved for enrollments Summer 2021 and later.

CALS CAPSTONE LEARNING EXPERIENCE REQUIREMENT

A CALS capstone is a course in which students are required to integrate diverse bodies of knowledge to solve a problem or formulate a policy of societal importance with the intent of facilitating the transition to post-baccalaureate life. Capstone courses are approved by the college for each major.

A capstone experience should:

- Develop problem solving skills
- Expose the student to multidisciplinary approach
- Develop teamwork and interpersonal skills, including the ability to communicate effectively to multiple audiences
- Develop skills in accessing and using information resources (e.g., electronic databases, library resources, national repositories)
- Address societal, economic, ethical, scientific, and professional issues
- Communicate and extend the capstone experience via written, oral, and/or multimedia reports by each student

The capstone experience will normally be completed during the student's final 2 or 3 semesters. The intent is to have the student utilize and integrate their undergraduate learning into a culminating, or capstone, experience. Students should consult with their departmental faculty advisors for specific information regarding this requirement. Where appropriate, students should submit a copy of the final project materials to the campus library (via Minds@UW (https://www.library.wisc.edu/research-support/minds/) or similar).

DEGREES OFFERED

The College of Agricultural and Life Sciences offers four bachelor of science (BS) degree programs:

BS DEGREE
BS–AGRICULTURAL BUSINESS MANAGEMENT (P. 56)
BS–BIOLOGICAL SYSTEMS ENGINEERING (P. 117)
BS– NUTRITION AND DIETETICS (P. 190)

Three of the college's majors have specialized BS degree programs, as listed above. The general BS degree program provides a broad and general foundation for the other majors in the college.

MULTIPLE DEGREES OR MAJORS

Under certain circumstances it may be possible for a student to earn more than one undergraduate major or degree. It is expected that the programs be significantly different from each other and that approval for simultaneous majors or degrees be received prior to the student having earned 86 credits. More information is available below and through CALS policies and procedures (https://kb.wisc.edu/cals/academicaffairs/73885/).

EARNING TWO UNDERGRADUATE MAJORS SIMULTANEOUSLY

CALS permits undergraduates to pursue two CALS majors simultaneously. Both majors must be in the same degree program; two degrees must follow the policy outlined below. The following policies and procedures have been established for this program:

1. The student must complete an application form and have approval in advance from their CALS major advisor, the advisor of their desired second major, and the Associate Dean for Academic Affairs in the Office of Academic Affairs in CALS. This approval must be granted before the student has earned 86 credits.
2. The student must satisfy all requirements of both majors. The student must meet all CALS general course requirements and the degree program requirements, as well as all major field requirements.

The diploma awarded will be based on the certification of completion of the degree. The transcript will note the completion of requirements for two or more majors.

EARNING A NON-CALS MAJOR WHILE COMPLETING A DEGREE PROGRAM IN THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES

The College of Letters & Science (L&S) and the School of Education permit undergraduates currently enrolled in the College of Agricultural and Life Sciences to complete certain additional undergraduate majors offered by L&S or the School of Education and have this noted on the transcript. The following policies have been established for this program:

1. The student must complete an application form and have advance approval from their CALS major advisor, their non-CALS major advisor, and the Associate Dean for Academic Affairs in the Office of Academic Affairs in CALS. This approval must be granted before the student has earned 86 credits.
2. The non-CALS major is not to substitute for any major in CALS.
3. The student must satisfy all requirements of the non-CALS major, both the requirements established by the department (i.e., certain courses) and those established by the other school/college (e.g. for L&S, 15 credits of advanced work in the major in residence at UW–Madison), but is not required to complete the other school/college's degree requirements. The student must meet all CALS general course requirements and the degree program requirements, as well as all major field requirements for the CALS major.

EARNING A GLOBAL HEALTH ADDITIONAL MAJOR WHILE COMPLETING A DEGREE PROGRAM IN ANOTHER SCHOOL/COLLEGE AT UW-MADISON

Students in another school/college at UW-Madison are eligible to declare a Global Health major if they have fewer than 86 credits toward graduation, receive permission from their home school/college, and maintain a primary major in the home school/college. The process for obtaining special permission to declare a Global Health major is dependent on the student's home school/college. Students must also contact the Global Health major advising unit about the steps required to declare an additional major and fulfill all the Global Health major requirements.

EARNING TWO UNDERGRADUATE DEGREES SIMULTANEOUSLY

A student who wishes to earn **two undergraduate degrees simultaneously** (in contrast to earning two undergraduate majors simultaneously) should consult with the CALS Office of Academic Affairs as early as possible in their academic career regarding feasibility.
If the two degrees to be earned are within the College of Agricultural and Life Sciences, at least 30 additional credits and all course and grade point requirements must be completed. Thus, a minimum of 150 credits (for most majors) would be required. Some courses may satisfy requirements for both degrees; however, students must complete 15 unique credits in each major. **A student must have an advisor in both major fields.** To work on two degrees simultaneously within the college, a student should seek permission as early as possible to ensure that it is feasible to complete both degrees.
If the two degrees to be earned are from two different colleges (one degree in Agricultural and Life Sciences and one degree in another school or college on this campus), the academic dean in both colleges must approve the student's plan. Note that not all colleges will allow dual degrees. Where allowed, the following academic policies shall be followed (additional policies may exist):

1. Admission into the other college or school shall be based on that particular college or school admission criteria.
2. A student may seek two baccalaureate degrees simultaneously (in contrast to two majors), each from a different college, provided that the two degree programs differ sufficiently so that the combined total requirements for the two degrees are at least 150 credits and that the student's program is **approved by both colleges before the student has earned 86 credits**. The degrees from each college will be awarded simultaneously.

Applications and additional information pertaining to the earning of two undergraduate degrees simultaneously are in CALS policy and procedures (https://kb.wisc.edu/cals/academicaffairs/73885/) and available from the Office of Academic Affairs, 116 Agricultural Hall.

SECOND BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Students with a bachelor of science (BS) or bachelor of arts (BA) degree from the University of Wisconsin–Madison or other accredited institution

may, if eligible, pursue a second bachelor's degree from the College of Agricultural and Life Sciences.
Students who have been out of school for one semester or more must apply for admission (or readmission) with the regular undergraduate application. Continuing UW–Madison students do not need to submit this form. All candidates need an academic dean's permission from the Office of Academic Affairs to work toward a second bachelor's degree. A minimum of a 2.0 GPA is required. Several college majors require a higher GPA.

The following requirements for the second bachelor's degree must be met:

- Students must complete a minimum of **30 credits in residence**, of which 15 or more must be in the major field as specified by the major department. These credits are in **addition** to credits earned for the first degree.
- Candidates must **complete all university, college, major, and curricular degree program requirements.** Credits earned for the first degree will apply toward appropriate requirements for the second. However, students must take at least 30 additional credits, as noted above. Students with their first BS degree from the college must select a new major or degree program.

All second-degree candidates must be accepted by the department offering their program of interest and have their program approved by the college before beginning the program.

RESOURCES

RESOURCES

STUDENT SERVICES

Regardless of major, CALS professionals can help students navigate their UW–Madison educational experience. As the academic dean's office for CALS, the Office of Academic Affairs (https://cals.wisc.edu/academics/undergraduate/) assists all CALS and CALS-interested students with questions or concerns around academics, major exploration, careers, scholarships, study abroad, or other areas of student life. Individual advising is tailored to fit students' specific needs and circumstances.

ACADEMIC ADVISING

Every student has an assigned academic advisor, and students are encouraged to consult with them regularly. In CALS, all students declared in a major are assigned an advisor who specializes in that program. Students who are undecided and exploring majors in CALS are assigned to a college advisor who helps them find the right major for their academic and career goals. Academic advisors assist students with choosing courses to match their interests and fulfill all requirements for graduation. Advisors also talk with students about achieving their educational objectives, engaging in the full Wisconsin Experience, and planning for the future. CALS has a network of advisors (https://cals.wisc.edu/academics/undergraduate/current-students/advising/) for academics, career exploration, study abroad, and more, all of whom work together to support students across their UW–Madison experience.

Students are also encouraged to seek advice from other university faculty and staff. There are many people on campus who are willing and able to help students who proactively seek advice.

CAREER SERVICES

CALS Career Services (https://cals.wisc.edu/academics/undergraduate-students/career-services/) provides resources and guidance for students to explore career interests and develop skills as they seek employment, internships, or admission to graduate or professional programs. Academic advisors and faculty in every CALS major also provide specialized career and pre-professional advising. CALS students and alumni have access to Handshake (https://careers.wisc.edu/handshake/), an online job and internship posting tool that includes thousands of listings. The Center for Pre-Health Advising (https://prehealth.wisc.edu/) is an excellent resource for CALS students interested in exploring professional careers in medicine, including human health and veterinary medicine.

DEAN ON CALL

"Dean on call" is a drop-in service that provides the opportunity for all CALS students to have a one-on-one session with an academic affairs professional to discuss an academic policy or problem, seek advice about a personal issue, or receive assistance when confronted with a special situation. See the CALS Office of Academic Affairs website (https://cals.wisc.edu/academics/undergraduate/current-students/academic-policies/) for more information.

SCHOLARSHIPS AND FINANCIAL RESOURCES

CALS has an extensive scholarship program (https://cals.wisc.edu/academics/undergraduate/funding-your-education/cals-scholarships/) with more than $1.2 million in awards available to CALS students annually, including first-year students. This is in addition to university scholarships, grants, loans, and employment available at the Office of Student Financial Aid (https://financialaid.wisc.edu/). One yearly application allows students to be considered for any scholarships administered by the college. Scholarships that are awarded based on financial need require a current Free Application for Federal Student Aid (FAFSA (https://studentaid.gov/)) on file with the university.

STUDY ABROAD

Today's college graduates must be prepared for the international community in which they will live and work. Study, intern, and research abroad programs offer students unique opportunities to enrich their education by experiencing other cultures and broadening their understanding of agricultural and life sciences outside the United States. CALS Study Abroad (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/) offers more than 34 short- and long-term programs in more than 20 countries. In total, CALS students can choose from more than 250 UW–Madison study abroad programs (https://studyabroad.wisc.edu/programs/). All programs carry UW–Madison academic credit, and many fulfill academic and major requirements (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/). CALS offers scholarships to CALS students for study abroad to reduce financial barriers to participation.

HONORS

The CALS Honors Program (p. 51) allows highly motivated students to continue challenging themselves through research and coursework. The objective of the Honors Program is to help students develop critical thinking and problem-solving abilities and to provide students the challenge of designing, conducting, and reporting research in collaboration with faculty from one of the world's leading research institutions.

STUDENT ORGANIZATIONS

Student organizations (https://cals.wisc.edu/academics/undergraduate/student-life/student-organizations/) provide a vehicle for students to gain leadership experience, develop professional skills, and build on personal

interests. CALS sponsors more than 20 organizations that help students meet their professional and personal interests.

HONORS

HONORS

The CALS honors program allows students to continue challenging themselves through research and coursework. The objective of the honors program is to help students develop critical thinking and problem-solving abilities through specialized courses and to provide students the challenge of designing, conducting, and reporting research in collaboration with faculty from one of the world's leading research institutions.

HONORS

CALS has two different avenues to earn an honors degree designation. Students may complete either based on their interests and goals. Students are not allowed to complete both types of honors. In either option, a student must successfully complete a senior honors thesis approved by the research mentor or committee.

Honors in Research

Students engage in the university's great research tradition through the completion of two research projects: an introductory project and a senior thesis project. Students identify a faculty mentor to oversee their research efforts and support their progression through the program. In addition to the hands-on research experience, students are required to enroll in coursework directed at furthering their knowledge in quality and ethical scientific discovery. Students who successfully complete Honors in Research (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/honors-research/) will receive an honors designation on their diploma.

Honors in the Major

Students complete a specified number of honors credits in a designated set of courses to gain advanced knowledge and inquiry within their major field of interest. A limited number of CALS majors offer this program option; more information is located on the requirements tab for the major. Students who successfully complete honors in the major will receive an honors designation on their transcript and diploma. A list of majors that offer this option can be found here.

For complete information contact the Office of Academic Affairs.

DEAN'S LIST

Students who achieve at a high level academically are recognized by the dean. Selections to the dean's list are announced at the close of each semester. The student's achievement for only the single semester is considered and is noted on the transcript. To be placed on the dean's list, a student must have achieved at least a 3.5 GPA or above for the semester's study load of not less than 12 credits, on a regular grade basis (A, AB, B, BC, C, D, F), regardless of overall grade point average, and must not have received a grade of F or an Incomplete for any course, or a U (for a pass/fail course) or an N (for Credit/No Credit graded course that was not passed).

GRADUATION WITH DISTINCTION OR HIGHEST DISTINCTION

Students who graduate with a cumulative GPA that places them in the top 20 percent of the graduating class in the college will graduate with "distinction"; those in the upper 5 percent, with "highest distinction." These students must have at least 60 credits on the UW–Madison campus. The notations on the student's transcript will read "graduated with distinction" or "graduated with highest distinction" in the "degrees awarded" section of the transcript. The registrar makes these calculations and updates final transcripts approximately 45 days after the grading deadline for each semester.

DISTINCTIVE SCHOLASTIC ACHIEVEMENT

A preliminary list of those degree candidates who may be eligible for graduation with distinction is prepared by the registrar prior to commencement. These students are eligible to wear a cardinal stole with their caps and gowns at commencement. Inclusion on the distinctive scholastic achievement list does not guarantee graduation with distinction, which is determined after final grades are awarded.

AGRICULTURAL AND APPLIED ECONOMICS

The Department of Agricultural and Applied Economics (AAE) at the University of Wisconsin–Madison was founded in 1909 and was the first department of agricultural economics in the United States. The department offers two undergraduate programs—Agricultural and Applied Economics (p. 52) and Agricultural Business Management (p. 56). Both majors will give students a strong base in economics and how it is applied to real-world situations. The teaching and research in AAE focuses on the areas of development economics, environmental economics, and managerial economics.

The department also offers two certificates to undergraduate students enrolled at the University of Wisconsin–Madison: the Certificate in Business Management for Agricultural and Life Sciences (p. 60) and the Certificate in Development Economics (p. 61).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Agricultural and Applied Economics, BS (p. 52)
- Agricultural Business Management, BS (p. 56)
- Business Management for Agricultural and Life Sciences, Certificate (p. 60)
- Development Economics, Certificate (p. 61)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

The Department of Agricultural and Applied Economics offers a number of scholarships to students declared in both of our majors, Agricultural & Applied Economics (p. 52) and Agricultural Business Management (p. 56). All of our students are encouraged to apply each year for department and CALS scholarships through the Wisconsin Scholarship Hub (WiSH). Students in either of our majors or who have declared the Certificate in Business Management for Agricultural & Life Sciences (p. 60) are also eligible to apply for the Renk Scholarship Program

(https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The Renk Scholarship Program is part of the Renk Agribusiness Institute (https://renk.aae.wisc.edu/) and emphasizes leadership in contemporary agricultural issues and activities linked to agribusiness.

RESOURCES

There are a number of student organizations of interest to students in our majors. For more information, please visit the CALS Student Organization (https://cals.wisc.edu/academics/undergraduate-students/outside-the-classroom/student-organizations/#association-of-women-in-agriculture) website.

AGRICULTURAL AND APPLIED ECONOMICS, BS

Agricultural and applied economics (AAE) majors learn about the principles of economics and how to apply them to real-world problems and public policy debates. This training equips students to analyze the economic factors impacting a wide range of issues, including environmental challenges and sustainability, energy and climate change, globalization and trade, business economics and finance, global poverty and hunger, community and regional economic development, biotechnology, and food systems.

A degree in agricultural and applied economics helps students prepare to work as environmental economists, environmental managers, agricultural economists, policy and business analysts, researchers, managers, consultants, and auditors with nonprofit organizations, government agencies, co-operatives, multinational firms, agribusiness companies, financial institutions, and the food or retailing industry. Students also go on to pursue graduate-level degrees in economics, public policy, business, or law.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Students are encouraged to apply their course learning to real life through research projects, independent studies, and internships with guidance from faculty and staff members. During their final year, majors complete a senior capstone course where they work closely with fellow students on a semester-long project and also hear from program alumni.

BUILD COMMUNITY AND NETWORKS

Students get to know faculty and instructors through the courses they take, and they can build their networks by participating in student organizations and the department's commodity trading challenge team.

Individuals selected for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), operated by the Renk Agribusiness Institute (https://renk.aae.wisc.edu/), receive mentorship and financial support, as well as internship and networking opportunities.

CUSTOMIZE A PATH OF STUDY

AAE students customize their academic experience to fit their career goals by selecting one of four concentrations within the major: environmental economics, development economics, managerial economics, or applied economics.

MAKE A STRONG START

A number of first-year seminar courses are available to help new students understand academic programs, access student services, and develop time management and study skills.

GAIN A GLOBAL PERSPECTIVE

Many AAE majors study abroad to gain an international perspective and prepare to participate in today's global economy. Students can explore studying abroad as an AAE major utilizing the AAE Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the

requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following:		5-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211 & MATH 213	Survey of Calculus 1 and Survey of Calculus 2	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211 & ECON 205	Survey of Calculus 1 and Quantitative Tools for Economics	
Complete one of the following:		3-6
ECON 310	Statistics: Measurement in Economics	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
PSYCH 210	Basic Statistics for Psychology	
SOC/ C&E SOC 360	Statistics for Sociologists I	
GEN BUS 306 & GEN BUS 307	Business Analytics I and Business Analytics II	
Core		
A A E 101	Introduction to Agricultural and Applied Economics	4
or ECON 101	Principles of Microeconomics	
ECON 102	Principles of Macroeconomics	3-4
ECON 301	Intermediate Microeconomic Theory	4
or ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	
ECON 302	Intermediate Macroeconomic Theory	4
or ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	
Focus Areas within the Major		
Students must complete 15 credits of A A E courses numbered 200 or above. Students may choose to focus their studies on one of the following four areas (see course lists below): [1]		15
Applied Economics		
Development Economics		
Environmental Economics		
Managerial Economics		
Capstone		
A A E 500	Senior Capstone Experience	3
Total Credits		**41-50**

[1] A A E 299 Independent Study and A A E 500 Senior Capstone Experience may not count toward the 15-credit Focus Areas within the Major requirement.

FOCUS AREAS WITHIN THE MAJOR

Applied Economics

Any A A E course (https://guide.wisc.edu/courses/a_a_e/) numbered 200 or above.

Development Economics

Code	Title	Credits
A A E 319	The International Agricultural Economy	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
A A E/ECON/ INTL BUS 462	Latin American Economic Development	3
A A E/ECON 473	Economic Growth and Development in Southeast Asia	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3

Environmental Economics

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	4
A A E 352	Global Health: Economics, Natural Systems, and Policy	4
A A E/ECON 371	Energy, Resources and Economics	3
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
A A E/ECON/ ENVIR ST/ URB R PL 671	Energy Economics	3

Managerial Economics

Code	Title	Credits
A A E 320	Agricultural Systems Management	3
A A E 322	Commodity Markets	4
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
A A E 335	Introduction to Data Analysis using Spreadsheets	2
A A E 419	Agricultural Finance	3
A A E/ECON 421	Economic Decision Analysis	4

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Use economic concepts to think critically about real-world problems and public policy debates.
2. Use appropriate quantitative techniques to analyze economic problems.
3. Communicate results effectively orally and in writing.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests. Students must complete at least 120 total credits to be eligible for graduation.

Note: To meet the math requirement you may need three or four semesters of math coursework.

SAMPLE AGRICULTURAL & APPLIED ECONOMICS FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
COMM A	3	MATH 221 or 213	3-5
MATH 114 or 211	4-5	A A E 101	4
First-Year Seminar	1	Ethnic Studies	3
CALS Biological Science	3	Electives	3
Electives	3		
	14-15		**13-15**

Second Year

Fall	Credits	Spring	Credits
ECON 102	3	ECON 301	4
Statistics Course	3	AAE Courses	3
CALS Biological Science	3	COMM B	3
Electives	6	Electives	5
	15		**15**

Third Year

Fall	Credits	Spring	Credits
AAE Courses	3	AAE Courses	3
ECON 302	4	CALS International Studies	3
Gen Ed Requirement	3	CHEM 108 or 103	4-5
Electives	6	Electives	4
	16		**14-15**

Fourth Year

Fall	Credits	Spring	Credits
AAE Courses	3	AAE Course	3
Humanities	3	A A E 500	3
Electives	9	Electives	9
	15		**15**

Total Credits 117-121

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each agricultural and applied economics major receives one-on-one guidance from an academic advisor. The advisor helps students plan their coursework and identify opportunities to get involved in department and campus activities.

The agricultural and applied economics department offers a one-credit course in career development for majors. Students in the course hear from department alumni and others about their career paths and receive resume writing assistance and interviewing tips.

CAREER OPPORTUNITIES

Agricultural and applied economics graduates have great careers as environmental economists, agricultural economists, policy and business analysts, consultants, researchers, managers, traders, and auditors for nonprofit organizations, government agencies, multinational firms, financial institutions, agribusiness companies, co-operatives, and food companies. Graduates also pursue advanced degrees in economics, public policy, business, or law.

AAE graduates are recognized for their skills in data analysis, business and economic forecasting, strategic planning, management, and leadership.

Visit aae.wisc.edu/undergrad/advising (https://aae.wisc.edu/undergrad/advising/) for detailed advising information!

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

There are numerous campus student organizations of interest to agricultural and applied economics majors, including Economics Student Association, Global Economic Forum – Madison, and Women in Economics. A full list of organizations is available on the Wisconsin Involvement Network website (https://win.wisc.edu/organizations/).

COMPETITIVE TEAMS

Each year, a team of UW–Madison students participates in the annual CME Group University Trading Challenge (https://www.cmegroup.com/events/university-trading-challenge.html), a simulated trading competition that pits hundreds of college teams from around the world against one another as they make real-time commodity trading decisions.

RESEARCH EXPERIENCE

AAE students are able to gain social science research experience on both domestic and international topics by working with a faculty member on a specific project.

INTERNSHIPS

Agricultural and applied economics majors can complete an internship during their undergraduate years.

GLOBAL ENGAGEMENT

Many agricultural and applied economics students choose to study abroad. These programs help students gain an international perspective and prepare them to participate in today's global economy. Students can find more information on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/). Study abroad options include programs that focus on sustainable development, food systems, agriculture, health and wellness, and community and economic development.

AAE students who select development economics as their area of concentration take numerous international-focused courses that address the global economy, population, and poverty.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

AAE students have numerous volunteer activities to choose from. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. The Department of Agricultural and Applied Economics awards an average of $60,000 in scholarships per year to students in the department. Students apply for CALS and AAE scholarships through a single application in the Wisconsin Scholarship Hub

(WiSH). Learn more about college scholarships (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

AAE majors are also eligible to apply for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The program, offered through the Renk Agribusiness Institute (https://renk.aae.wisc.edu/), is designed for high-performing students with an interest in agriculture or agribusiness. In addition to financial support, Renk Scholars are provided networking opportunities that help them find internships and other experiences to build their business and leadership skills.

AGRICULTURAL BUSINESS MANAGEMENT, BS

Agricultural business management (ABM) majors learn to apply the fundamentals of business to agriculture and related industries. Students study business operations, finance and economic decision analysis, analytical and managerial tools, organization of the food system, and commodity markets.

Offered through the Department of Agricultural and Applied Economics, ABM coursework includes agribusiness, economics, statistics, accounting, finance, and management. Majors can take some courses through the School of Business, including business law, fundamentals of accounting and finance, and fundamentals of management. ABM majors learn managerial economics, how businesses make decisions and minimize risk, and how to use applied mathematics and statistics to analyze prices and markets.

The agribusiness industry — which encompasses enterprises related to farming and the bio-economy — needs staff who are educated in both business and agriculture. The ABM major prepares students for great careers in management, business analysis, marketing, commodities trading, sales, consulting, banking, and finance. In addition to agribusiness firms, ABM graduates find employment with food companies, tech companies, co-operatives, government agencies, and financial institutions.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Students are encouraged to apply their course learning to real life through research projects, independent studies, and internships with guidance from faculty and staff members. During their final year, majors complete a senior capstone course where they work closely with fellow students on a semester-long project and also hear from program alumni.

BUILD COMMUNITY AND NETWORKS

Students get to know faculty and instructors through the courses they take, and they can build their networks by participating in student organizations and the department's commodity trading challenge team.

Individuals selected for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), operated by the Renk Agribusiness Institute (https://renk.aae.wisc.edu/), receive mentorship and financial support, as well as internship and networking opportunities.

CUSTOMIZE A PATH OF STUDY

Core courses focus on macroeconomics, microeconomics, finance, accounting, commodity markets, and economic analysis, planning, and management. ABM students customize their academic experience to fit their career goals by completing additional coursework in finance, accounting, management, marketing, business law, and human resources.

MAKE A STRONG START

A number of first-year seminar courses are available to help new students understand academic programs, access student services, and develop time management and study skills.

GAIN GLOBAL PERSPECTIVE

There are several internationally focused courses that ABM majors can take within the Department of Agricultural and Applied Economics. Some students choose to study abroad, working with their advisor and the CALS study abroad office to identify appropriate programs. Students can explore studying abroad as an ABM major utilizing the Agricultural Business Management Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students in the Agricultural Business Management BS degree program may not declare the Certificate in Business Management for Agricultural and Life Sciences.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following:		5-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211 & MATH 213	Survey of Calculus 1 and Survey of Calculus 2	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211 & ECON 205	Survey of Calculus 1 and Quantitative Tools for Economics	
Complete one of the following:		3-4
ECON 310	Statistics: Measurement in Economics	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
GEN BUS 306 & GEN BUS 307	Business Analytics I and Business Analytics II	
SOC/ C&E SOC 360	Statistics for Sociologists I	
PSYCH 210	Basic Statistics for Psychology	
Core		
A A E 101	Introduction to Agricultural and Applied Economics	4
or ECON 101	Principles of Microeconomics	
ECON 102	Principles of Macroeconomics	3-4
ECON 301	Intermediate Microeconomic Theory	4
or ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	
A A E 267	Career Development for AAE & ABM Majors	1
A A E 320	Agricultural Systems Management	3
A A E 335	Introduction to Data Analysis using Spreadsheets	2
A A E 322	Commodity Markets	4
A A E 419	Agricultural Finance	3
A A E/ECON 421	Economic Decision Analysis	4
A A E 422	Food Systems and Supply Chains	3
Complete three of the following:		9

A A E 319	The International Agricultural Economy	
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
ECON/FINANCE 300	Introduction to Finance	
ECON 302	Intermediate Macroeconomic Theory	
GEN BUS 301	Business Law	
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	
MARKETNG 300	Marketing Management	
M H R 300	Managing Organizations	
M H R 305	Human Resource Management	
ACCT I S 100	Introductory Financial Accounting	
ACCT I S 211	Introductory Managerial Accounting	
ACCT I S 300	Accounting Principles	
Capstone		
A A E 500	Senior Capstone Experience	3
Total Credits		**51-58**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Evaluate how insights from economics can support effective decision-making in businesses, communities, and societies.
2. Apply economic concepts and methods to real world situations in agricultural business management.
3. Analyze, interpret, and effectively summarize quantitative data.
4. Employ economic models and mathematical techniques to structure and solve questions of resource allocation.
5. Describe the structure of the agricultural business sector and how it functions.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Note: Students must complete MATH 213, MATH 217, or MATH 221 or ECON 205. Students may satisfy the required level of math proficiency through the math placement exam. On the other hand, this level of competence may require as many as three or four semesters of coursework in mathematics, depending on where students begin their course sequence.

Students must complete at least 120 total credits to be eligible for graduation.

SAMPLE AGRICULTURAL BUSINESS MANAGEMENT FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
COMM A	3	A A E 101	4
MATH 114 or 211	4-5	MATH 221 or 213	3-5
CALS First Year Seminar	1	Ethnic Studies	3
CALS Biological Science Requirement	3	Elective	3
Elective	3		
	14-15		**13-15**

Second Year

Fall	Credits	Spring	Credits
ECON 102	3-4	ECON 301	4
ECON 310, STAT 301, or STAT 371	3-4	A A E 322	4
A A E 267	1	CALS Biological Science	3
A A E 320	3	Major Elective Requirement	3
Humanities	3		
Elective	3		
	16-18		**14**

Third Year

Fall	Credits	Spring	Credits
A A E 335	2	A A E 419	3
A A E 422	3	CHEM 108	5
COMM B	3	Humanities	3-4
Elective	7	Elective	3
	15		**14-15**

Fourth Year

Fall	Credits	Spring	Credits
A A E/ECON 421	4	A A E 500	3
CALS International Studies	3	Major Elective Requirement	3
Major Elective Requirement	3	Electives	9
Electives	6		
	16		**15**

Total Credits 117-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each agricultural business management major receives one-on-one guidance from an academic advisor. The advisor helps students plan their coursework and identify opportunities to get involved in department and campus activities.

The agricultural and applied economics department offers a one-credit course in career development for majors. Students in the course hear from department alumni and others about their career paths and receive resume writing assistance and interviewing tips.

CAREER OPPORTUNITIES

Agricultural business management graduates have great careers in management, business analysis, marketing, commodities trading, sales, consulting, banking, and finance. They find positions with agribusiness firms, food companies, tech companies, co-operatives, government agencies, and financial institutions.

Graduates are recognized for their skills in management, leadership, public speaking, sales, marketing, social media, customer service, strategic planning, risk analysis, business process management, and management accounting.

Visit aae.wisc.edu/undergrad/advising (https://aae.wisc.edu/undergrad/advising/) for detailed advising information.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

There are numerous campus student organizations of interest to agricultural business management majors, including Alpha Gamma Rho, Association of Women in Agriculture, Collegiate Farm Bureau, and National Agri-Marketing Association. A full list of organizations is available on the Wisconsin Involvement Network website (https://win.wisc.edu/organizations/).

COMPETITIVE TEAMS

Students can join the UW–Madison team that participates in the annual CME Group University Trading Challenge (https://www.cmegroup.com/events/university-trading-challenge.html). This simulated trading competition pits hundreds of college teams from around the world against one another as they make real-time commodity trading decisions.

RESEARCH EXPERIENCE

Students are able to gain social science research experience on both domestic and international topics by working with a faculty member on a specific project.

INTERNSHIPS

Agricultural business management majors are encouraged to complete an internship during their undergraduate years, and they typically do so during the summer after their sophomore or junior years. Internships allow students to explore career options, gain professional skills, and develop their networks.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students have numerous volunteer activities to choose from. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

GLOBAL ENGAGEMENT

ABM majors can choose to study abroad. Students work with their advisor and the CALS study abroad office to identify appropriate programs. More information is available on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences (CALS) receive more than $1.25 million in scholarships annually. The Department of Agricultural and Applied Economics awards an average of $60,000 in scholarships per year to students in the department. Students apply for CALS and department scholarships through a single application in the Wisconsin Scholarship Hub (WiSH). Learn more about college scholarships (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

ABM majors are also eligible to apply for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The program, offered through the Renk Agribusiness Institute (https://renk.aae.wisc.edu/), is designed for high-performing students with an interest in agriculture or agribusiness. In addition to financial support, Renk Scholars are provided networking opportunities that help them find internships and other experiences to build their business and leadership skills.

BUSINESS MANAGEMENT FOR AGRICULTURAL AND LIFE SCIENCES, CERTIFICATE

Basic business literacy can benefit all graduates, whatever their field or intended career may be. When entering the professional world, CALS students increasingly encounter situations that require an understanding of basic business and management concepts. The certificate in business management for agricultural and life sciences can provide students the business skills that employers value.

The certificate offers students in the College of Agricultural and Life Sciences (CALS) the opportunity to gain business knowledge and have it recorded on their transcript. The certificate is designed specifically for students intending to pursue careers in agriculture and life sciences, and enrollment is open only to undergraduates currently enrolled in CALS. This professional credential is offered by the Department of Agricultural and Applied Economics, the Department of Life Sciences Communication, and the Renk Agribusiness Institute.

HOW TO GET IN

HOW TO GET IN

To declare this certificate, students must be admitted to UW–Madison and the College of Agricultural and Life Sciences (CALS). For information about becoming a CALS first-year or transfer student, see Entering the College (p. 45). Contact the advisor listed under the Advising and Careers tab for more information or to declare the certificate.

Students may not earn this certificate in conjunction with a BS in Agricultural Business Management.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Completion of the certificate requires a total of six courses.		
The following four courses are required:		
A A E 101	Introduction to Agricultural and Applied Economics	4
LSC 270	Marketing Communication for the Sciences	3
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3
Select two courses from the following:		*5-6*
A A E 319	The International Agricultural Economy	
A A E 320	Agricultural Systems Management	
A A E 322	Commodity Markets	
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	
A A E 335	Introduction to Data Analysis using Spreadsheets	
A A E 419	Agricultural Finance	
A A E/ECON 421	Economic Decision Analysis	
A A E 422	Food Systems and Supply Chains	
A A E/ECON 526	Quantitative Methods in Agricultural and Applied Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
DY SCI 233	Dairy Herd Management I	
DY SCI 234	Dairy Herd Management II	
DY SCI 535	Dairy Farm Management Practicum	
LSC 250	Research Methods in the Communication Industry	
LSC 251	Science, Media and Society	
LSC 432	Social Media for the Sciences	
LSC 435	Brand Strategy for the Sciences	
Total Credits		**18-19**

- No substitutions are allowed for the core courses.
- Students may count no more than two courses toward both their major requirements and these certificate requirements.
- Minimum average 2.000 GPA in all certificate courses.
- 12 credits in the certificate must be taken in residence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand general business concepts.
2. Understand business management fundamentals in an agricultural and life sciences context.
3. Understand economics, marketing and communication as they relate to business management in agricultural and life science industries.

ADVISING AND CAREERS

ADVISING AND CAREERS

For academic advising information, please visit: aae.wisc.edu/undergrad/advising (https://aae.wisc.edu/undergrad/advising/)

Students pursing the certificate in business management for agricultural and life sciences are often interested in careers such as running a research lab, managing the books on their family farm, banking, business analysis, marketing, or management and sales, depending on their major. When combined with their major, the certificate can provide a basic background in business management that many employers find valuable.

Students can use the services provided by the CALS Career Services Office (https://cals.wisc.edu/academics/undergraduate-students/career-services/), which include help with creating a resume or cover letter and mock interviews. CALS students also have access to Handshake, an online job/internship posting tool that provides students with hundreds of job and internship listings.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Students declared in the Certificate in Business Management for Agricultural and Life Sciences may choose to do an internship to get some experience in their field of interest. They can use the services provided by the CALS Career Services Office (https://cals.wisc.edu/academics/undergraduate-students/career-services/) to help find an internship, including Handshake (https://wisc.joinhandshake.com/login/), an online job/internship posting tool that provides students with hundreds of job and internship listings.

RENK SCHOLARSHIP PROGRAM

Students declared in the Certificate in Business Management for Agricultural and Life Sciences are eligible to apply for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The Renk Scholarship Program is part of the Renk Agribusiness Institute (https://renk.aae.wisc.edu/) and emphasizes leadership in contemporary agricultural issues and activities linked to agribusiness.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

RENK SCHOLARSHIP PROGRAM

Students declared in the Certificate in Business Management for Agricultural and Life Sciences are eligible to apply for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The Renk Scholarship Program is part of the Renk Agribusiness Institute (https://renk.aae.wisc.edu/) and emphasizes leadership in contemporary agricultural issues and activities linked to agribusiness.

DEVELOPMENT ECONOMICS, CERTIFICATE

The certificate in development economics gives students a solid foundation of analytical skills that will enable them to better understand the challenges created by world poverty. They will learn how economics can be used to address the problems of poverty and the impact of globalization on growth and development. Students will focus on such issues as the relationship between population growth and economic growth, the major debates about food self-sufficiency and food security, how child labor and gender discrimination limit economic development, and what environmental problems are posed by economic development.

The certificate in development economics is open to any undergraduate student enrolled at the University of Wisconsin–Madison.

HOW TO GET IN

HOW TO GET IN

The certificate in development economics is open to any undergraduate student enrolled at the University of Wisconsin–Madison. Contact the advisor listed under the Advising and Careers tab for more information or to declare the certificate.

Code	Title	Credits
In order to declare the certificate, the student must have successfully completed one of the following courses:		
A A E 101	Introduction to Agricultural and Applied Economics	4
ECON 101	Principles of Microeconomics	4
ECON 111	Principles of Economics-Accelerated Treatment	4

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
The certificate requires five courses.		
Complete two core courses:		
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
or A A E/ INTL ST 374	The Growth and Development of Nations in the Global Economy	
Select one course from the following:		*3*
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E/ INTL ST 373	Globalization, Poverty and Development	
A A E/ INTL ST 374	The Growth and Development of Nations in the Global Economy	
A A E/ECON/ INTL BUS 462	Latin American Economic Development	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 477	Agricultural and Economic Development in Africa	
Select one course from the following:		*3*
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	
C&E SOC/ SOC 630	Sociology of Developing Societies/ Third World	
ECON 464	International Trade	

ECON 467	International Industrial Organizations	
ECON 475	Economics of Growth	
GEOG/ ENVIR ST 339	Environmental Conservation	
GEOG 340	World Regions in Global Context	
INTL BUS 200	International Business	
INTL BUS/ FINANCE 445	Multinational Business Finance	
INTL ST 402	Topics in Politics and Policy in the Global Economy	
POLI SCI 330	Political Economy of Development	
POLI SCI 348	Analysis of International Relations	
POLI SCI 350	International Political Economy	
Select one additional course from any of the courses listed above		*3*
Total Credits		**15**

- A student may combine this certificate with any other certificate and/or major. However, students with a major in Agricultural and Applied Economics, a major in Economics, or a major in the Politics and Policy in the Global Economy option in International Studies may count no more than 2 courses toward both their major requirements and the requirements for the certificate in development economics.
- 50% of certificate coursework must be completed in residence.
- Minimum average 2.000 GPA in all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the impacts of global economic processes, such as trade foreign investment, and migration, on growth and development.
2. Understand the contributions of private and public investments in areas such as agriculture, education, environmental resources, health care, industrialization, and technology adoption to growth and development, and the methods for measuring those effects.

ADVISING AND CAREERS

ADVISING AND CAREERS

For academic advising information, please visit: aae.wisc.edu/undergrad/advising/ (https://aae.wisc.edu/undergrad/advising/)

Students pursuing the certificate in development economics are often interested in careers in international development. Depending on their major, they often find careers in policy analysis, consulting, or working abroad. They can find employment with a variety of employers such as nonprofit organizations, government agencies, cooperatives, or multinational firms. Many students pursue graduate degrees in economics, public policy, law, or other areas.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDY ABROAD

Many students declared in the certificate in development economics choose to study abroad. Study abroad programs offer students the opportunity to gain an international perspective and can prepare them to participate in today's global economy. International Academic Programs (IAP) (https://www.studyabroad.wisc.edu/) serves as the primary study abroad office on campus, offering more than 200 programs in more than 60 countries around the world. IAP program offerings, available to all majors, range from short-term, faculty-led opportunities to intensive language study, internships, a semester or a year at a university overseas, service learning, and programs with special themes. There are also international programs offered through the College of Agricultural and Life Sciences (CALS) (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/). Study abroad programs in CALS cover a variety of content areas such as sustainable development, food systems, agriculture, health and wellness, and community and economic development.

AGRICULTURAL AND LIFE SCIENCES - COLLEGE-WIDE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- College of Agricultural and Life Sciences Honors (p. 62)
- Individual Major, BS (p. 63)

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES HONORS

The CALS honors program allows motivated students to continue challenging themselves in the classroom and beyond. Students may pursue either honors in research or honors in the major. Both tracks require a senior honors thesis and result in an honors designation upon graduation.

HONORS IN RESEARCH

Students completing the CALS honors in research track engage in the university's great research tradition. From selecting a research question and designing a study through analysis and presentation of the results, the honors in research track requires students to explore the full scientific process. Students identify a faculty mentor to oversee their research efforts and support their progression through the program. In addition to this hands-on research experience, students are required to enroll in

coursework directed at furthering their knowledge in quality and ethical scientific discovery.

HONORS IN MAJOR

Information can be found in the requirements tab for each major that offers the option.

HOW TO GET IN

HOW TO GET IN

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

REQUIREMENTS

The Honors in Research track requires students to complete two research projects, an introductory project and a senior thesis project. Students work under the guidance of a faculty mentor for both projects.

In the course of this program, it is expected that the student will: (i) learn the background and methods of the discipline; (ii) identify an interesting and tractable problem or question for study; (iii) learn to draft a proposal defending the relevance and appropriateness of specific research efforts; (iv) demonstrate appropriate skills in working on that problem in a manner appropriate to a professional in the discipline; (v) analyze and interpret the results of their efforts; and (vi) present these results as a thesis and in an approved public forum.

To earn Honors in Research, students must first be admitted to the college's Honors Program. Students must then make satisfactory progress toward the program requirements listed below and maintain a 3.25 GPA. Failure to maintain this progress will result in removal of the student from the Honors Program.

Program requirements:

- Identify a research mentor
- Complete introductory (one-semester) research project and presentation
- Complete three seminar courses (one credit each)
  - INTER-AG 288 (spring of freshman year)
  - INTER-AG 388 (spring of sophomore year)
  - INTER-AG 488 (spring of junior year)
- Enroll in Senior Honors Thesis credits (681 and 682; or 699 in the mentor's department) for two semesters at a minimum of two credits each semester
- Complete a Senior Honors Thesis research project and presentation
- Submit the Senior Honors Thesis and related documentation to CALS Academic Affairs
- Maintain a cumulative grade point average of 3.25

Additional information can be found on the Honors website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/).

ADVISING AND CAREERS

ADVISING AND CAREERS

Find additional information on the CALS honors program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/).

INDIVIDUAL MAJOR, BS

Students who wish to pursue a special intellectual problem or academic path not adequately covered by existing majors can work with advisors and faculty to create an individual path of study to meet their goals. The individual major must involve courses from several programs, must be at least as rigorous as existing majors, and must be targeted at a special intellectual problem or academic need identified by the student.

The individual major must be approved by a faculty committee and the CALS Curriculum Committee. Students are strongly encouraged to consult with an assistant dean in the CALS Office of Academic Affairs early in their undergraduate career to discuss the process, planning, and feasibility of completion.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Most CALS students complete independent research under the guidance of internationally recognized faculty researchers. Lab or field courses related to the special interests of the student are encouraged as part of the individual major.

BUILD COMMUNITY AND NETWORKS

With more than 20 CALS-sponsored student organizations, students can build their professional networks early and enhance their leadership skills.

CUSTOMIZE A PATH OF STUDY

Students who complete an approved individual major work closely with faculty and staff to craft a path of study unique to them. Their diploma will include the approved name of their specialized major.

MAKE A STRONG START

A number of first-year seminar courses are available to help new students understand academic programs, access student services, and develop time management and study skills.

GAIN GLOBAL PERSPECTIVE

All individual majors must complete a CALS International Studies course or approved study abroad experience. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Individual majors must be approved by a faculty committee and the CALS Curriculum Committee. Approval is not guaranteed, so students should consider alternative options carefully. Students are strongly encouraged to consult with an assistant dean in the Office of Academic Affairs early in their undergraduate career to discuss the process, planning, and feasibility of completion. The process to request to pursue an individual major is outlined below.

The student selects a three-person faculty committee from departments offering courses in the proposed major. The major advisor is from a CALS department that offers many of the courses in the proposed individual major. No more than two members of the committee can be from a single department. The student must submit a proposed plan of study to the committee for review and approval. The faculty committee must consult with the department with the most courses in the proposed major. The plan should include: the title of the proposed major; the rationale for the major; learning outcomes for the major and a brief assessment plan; the list of courses and the reasons for including each course in the major; and a semester plan for degree completion. The student is required to earn at least 30 credits after the term in which the proposal is approved. Thus, early planning is essential.

If the faculty committee approves the plan, the student should work with CALS Academic Affairs to submit the plan of study to the CALS Curriculum Committee along with a letter of support from the major advisor and a summary of the department discussion of the plan. The student and faculty advisor will meet with the Curriculum Committee to present the proposal. The Curriculum Committee may approve the proposal, reject the proposal, or ask for further clarification and resubmission. **The decision of the Curriculum Committee is final.**

Any changes in the major must be approved by the faculty advisor and reported to the Office of Academic Affairs, and any changes that significantly affect the nature or rigor of the program must be reviewed and approved by the Curriculum Committee.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5

CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

INDIVIDUAL MAJOR REQUIREMENTS

DEVELOPMENT OF THE INDIVIDUAL MAJOR

Students are strongly encouraged to consult with an assistant dean in the Office of Academic Affairs early in their undergraduate career to discuss the process, planning, and feasibility of completion. Development of the individual major is the responsibility of the student. The student should identify a faculty major advisor from the CALS department that offers many of the courses in the proposed individual major. In addition, the student should select two additional faculty from departments offering the courses in the proposed major to serve on the faculty committee. The student should consult with the faculty members and an assistant dean in Academic Affairs as a plan of study is developed. The plan of study must include the following:

- title of proposed major
- rationale for the major (what specific goal does the major achieve that cannot be achieved through one or more existing majors? what is the targeted intellectual problem? why is the major necessary for achieving the student's academic and career goals?)
- 3-5 learning outcomes for the major with a brief explanation of how learning will be assessed
- list of courses, including the reason for including each course in the major (how does each course contribute to the major learning outcomes?)
- semester plan for degree completion and estimated graduation term (if graduation exceeds four total years, include a justification for the extended time-to-degree; note that the student must earn at least 30 credits after the term in which the proposal is approved)

APPROVAL OF THE INDIVIDUAL MAJOR

Once the plan of study is developed, the student submits the plan to the faculty committee for review and approval. The faculty committee must consult with the department with the most courses in the proposed major. The faculty committee may require revisions prior to approval, or choose not to accept the plan. Once approved, the student should work with CALS Academic Affairs to submit the plan of study to the CALS Curriculum Committee along with a letter of support from the major advisor and a summary of the department discussion of the plan. The student and faculty advisor will meet with the curriculum committee to present the proposal. The curriculum committee may approve the proposal, reject the proposal, or ask for further clarification and resubmission. **Approval of an individual major is not guaranteed, so students should consider alternative options carefully. The decision of the curriculum committee is final.**

Any changes in the major must be approved by the faculty advisor and reported to the Office of Academic Affairs, and any changes that significantly affect the nature or rigor of the program must be reviewed and approved by the curriculum committee.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

Students will develop learning outcomes as part of the individual major proposal process in consultation with their faculty mentors and an assistant dean. Review the Provost's website (https://assessment.provost.wisc.edu/student-learning-outcomes/writing-student-learning-outcomes/) for guidelines on developing learning outcomes.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Students will develop a semester-by-semester plan as part of the proposal process for the individual major, in consultation with their faculty mentors and an assistant dean. Review the Four-Year Plans available for similar or related majors in the *Guide* to begin planning. Students should submit the proposal early in their academic career but no later than achieving senior standing (86 credits) to ensure timely progress to degree completion.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students are strongly encouraged to consult with an assistant dean in the Office of Academic Affairs early in their undergraduate career to discuss the process, planning, and feasibility of completion.

Students are required to identify a faculty advisor as part of the process for requesting approval to pursue an individual major. The faculty advisor serves as the student's academic advisor along with support from the

other members of the student's faculty committee and professional advisors in the Office of Academic Affairs.

CAREER OPPORTUNITIES

Students with specific post-graduate plans who pursue an individual major can work with advisors to craft a curricular plan that will meet their career goals.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Opportunities to apply classroom learning to real-world settings is at the core of a CALS education. We offer a variety of CALS Signature Experiences for students in all majors to live the Wisconsin idea and fulfill the Wisconsin Experience (https://wisconsinexperience.wisc.edu/).

These opportunities fall into five major categories:

CALS students make a strong start, and every CALS first-year student can achieve that through a First-Year Seminar to explore different areas of study, learn about how to take advantage of campus resources, and make friends. There are several seminars to choose from, including QuickStart (https://cals.wisc.edu/academics/undergraduate/future-students/quick-start/), an online course that allows students to begin their college career the summer before they arrive on campus.

CALS students learn through hands-on, real-world experiences. A majority of CALS students earn credit for research experiences in labs and internships.

Through student organizations, peer advising and mentoring, and residential learning communities, students build their community and networks.

Students gain a global perspective by taking courses with an international focus, and many students choose to study abroad. CALS offers more than 34 faculty-led study abroad programs, and students may also choose from general UW–Madison study abroad opportunities.

Finally, many CALS students take advantage of the ability to customize their path of study by participating in an honors program (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/#honorstext), pursuing certificates or multiple majors, and choosing elective courses that match their interests and meet their goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

ANIMAL AND DAIRY SCIENCES

The Department of Animal and Dairy Sciences is the home of undergraduate and graduate programs in animal sciences and dairy science. It has a long and proud history of groundbreaking discoveries in animal nutrition, physiology, genetics, management, and muscle biology, which are coupled with excellence in the emerging fields of animal welfare, digital agriculture, and animal biologics to generate new knowledge and solve practical problems. The department is interdisciplinary, and the interests and skillsets of our faculty and graduate students range from molecular biology to animal care and management. Virtually all of our work happens in a biological context, with an eye toward advancing our understanding of animal biology, improving the lives of domestic animals, enhancing the sustainability of animal agriculture, and improving human health and nutrition.

The department was formed as a merger of the Department of Animal Sciences and the Department of Dairy Science in 2020 as a culmination of a long-standing, interdependent relationship that includes sharing the Animal Sciences Building at 1675 Observatory Drive, cross-listing and co-teaching many core courses, and collaborating on countless research projects and outreach programs.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Animal and Veterinary Biosciences, BS (p. 66)
- Animal Sciences, BS (p. 72)
- Dairy and Food Animal Management, BS (p. 78)
- Dairy Science, BS (p. 83)

ANIMAL AND VETERINARY BIOSCIENCES, BS

Studying the biology of domesticated animals helps us better understand their health. The major addresses important issues related to animal health and welfare, biomedical advancements, food safety, precision livestock farming, and land and water stewardship.

Students in the Animal and Veterinary Biosciences major learn about cattle, swine, sheep, horses, poultry, and goats, as well as companion animals such as cats and dogs. They also examine recent discoveries connecting human and animal health.

The Department of Animal and Dairy Sciences is home to the undergraduate program in Animal and Veterinary Biosciences. The department produces skilled leaders in animal agriculture and sustainable food systems while embracing innovation and technology. A 10:1 student-faculty ratio and small classes allow for meaningful connections among students and instructors.

Students can take courses on an assortment of topics including animal breeding, veterinary genetics, animal health and welfare, physiology, and animal nutrition utilizing various animals as a vehicle for learning. The

major offers a science-focused path for students interested in veterinary medicine, animal science, bioscience, or other graduate programs.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

The program emphasizes hands-on learning, and students choose from more than a dozen lab courses covering animal handling, reproductive biology, veterinary genetics, animal welfare, meat science and biologics, and more. Field courses look at international agriculture and sustainability. The department encourages Animal and Veterinary Biosciences majors to get involved with internships and research with faculty and staff.

BUILD COMMUNITY AND NETWORKS

Animal and Veterinary Biosciences majors find a welcoming community where professors know their students and can provide guidance based on their specific goals. Outside of the classroom, students can join several student organizations including the Pre-Veterinary Association (https://win.wisc.edu/organization/prevetassociation/), Saddle and Sirloin Club (https://win.wisc.edu/organization/saddleandsirloin/), Poultry Club (https://www.facebook.com/PoultryClubUWMadison/), Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/), and Badger Meat Science Club. (https://www.facebook.com/badgermeatscienceclub/)

CUSTOMIZE A PATH OF STUDY

Students can choose from a variety of breadth and depth courses to explore their interests within the major, customizing their coursework to fit their career goals. Course flexibility allows students to complete several pre-veterinary requirements, a certificate, or double major within the curriculum. Students can elect to complete Honors in Animal and Veterinary Biosciences.

MAKE A STRONG START

The department offers an introductory seminar course that helps students maximize their education, develop professional skills, and make informed decisions about their classes, internships, and career paths. Multiple Animal Sciences courses are open to first-year students offering additional opportunities to establish connections to the major.

GAIN GLOBAL PERSPECTIVE

Students are encouraged to study abroad; the department offers globally focused courses that look at livestock production, health, animal agriculture, and sustainable development. Students can explore studying abroad as an Animal and Veterinary Biosciences major utilizing the Animal and Veterinary Biosciences Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/animal-and-veterinary-biosciences/). Students work with their advisor and the CALS study abroad office (https://cals.wisc.edu/academics/undergraduate/current-students/study-abroad/) to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

The Animal and Veterinary Biosciences BS cannot be earned in combination with the Animal Sciences BS or Dairy Science BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

SUMMARY OF MAJOR REQUIREMENTS

Code	Title	Credits
Major Requirements		
Mathematics and Science Foundation		19-25
Animal Veterinary Biosciences Core Requirements		37-38
Capstone in Major		2-3
Total Credits		**58-66**

ANIMAL & VETERINARY BIOSCIENCES MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics		
Complete one of the following (or may be satisfied by placement exam):		3-5
MATH 112	College Algebra	
MATH 114	Precalculus	
Statistics		
Complete one of the following:		3
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Biology		
Complete one of the following:		5
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	Animal Biology and Animal Biology Laboratory	
Biochemistry		
Complete one of the following:		3
BIOCHEM 301	Survey of Biochemistry	
BIOCHEM 501	Introduction to Biochemistry	
Introduction to the Major		
Complete the following:		4
AN SCI/ DY SCI 101	Introduction to Animal Sciences	
AN SCI/ DY SCI 102	Introduction to Animal Sciences Laboratory	
Animal Science Core		
Complete four courses from the following: [1]		11-12
AN SCI 245	Animal Welfare	
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	
AN SCI/ DY SCI 320	Animal Health and Disease	
AN SCI/ DY SCI 361	Introduction to Animal and Veterinary Genetics	
AN SCI/ DY SCI 373	Animal Physiology	

Animal Biology Depth		
Complete at least 10 credits from the following:		10
AN SCI 245	Animal Welfare [1]	
AN SCI/ FOOD SCI 305	Introduction to Meat Science and Technology	
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition [1]	
AN SCI/ DY SCI 320	Animal Health and Disease [1]	
AN SCI 324	Applied Companion Animal Behavior and Learning	
AN SCI 336	Animal Growth and Development	
AN SCI/ DY SCI 361	Introduction to Animal and Veterinary Genetics [1]	
AN SCI/ DY SCI 362	Veterinary Genetics	
or AN SCI/ DY SCI 363	Principles of Animal Breeding	
AN SCI 366	Concepts in Genomics	
AN SCI/ DY SCI 373	Animal Physiology [1]	
DY SCI 378	Lactation Physiology	
AN SCI/ DY SCI 414	Ruminant Nutrition & Metabolism	
AN SCI 415	Application of Monogastric Nutrition Principles	
AN SCI 420	Microbiomes of Animal Systems	
AN SCI/ DY SCI 434	Reproductive Physiology	
Major Breadth		
Complete at least 12 credits from the following:		12
AN SCI 200	The Biology and Appreciation of Companion Animals	
DY SCI 233	Dairy Herd Management I	
DY SCI 234	Dairy Herd Management II	
AN SCI/BSE 344	Digital Technologies for Animal Monitoring	
AN SCI 399	Coordinative Internship/ Cooperative Education (Footnote 2 applies to both AN SCI 399 and 699) [2]	
or AN SCI 699	Special Problems	
A A E 422	Food Systems and Supply Chains	
AN SCI 431	Beef Cattle Production	
AN SCI 432	Swine Production	
AN SCI/ FOOD SCI 515	Commercial Meat Processing	
DY SCI 534	Reproductive Management of Dairy Cattle	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
or BIOLOGY/ BOTANY 130	General Botany	
CHEM 343	Organic Chemistry I	
PHYSICS 103	General Physics	
MICROBIO 303	Biology of Microorganisms	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
Capstone in Major		
Complete one of the following:		2-3
AN SCI 435	Animal Sciences Proseminar	
DY SCI 535	Dairy Farm Management Practicum	
Total Credits		**58-66**

[1] Courses cannot count for both Animal Science Core and Depth.
[2] Maximum of 3 credits.

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

REQUIREMENTS

To earn honors in the major, students are required to take at least 20 honors credits. In addition, students must take AN SCI 681 Senior Honor Thesis and AN SCI 682 Senior Honors Thesis when completing their thesis project; please see the honors program page (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/) for more information.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Define biological processes and explain their role in animal health and management
2. Apply scientific concepts and critical thinking skills to identify and analyze real world problems in animal and veterinary biosciences
3. Develop scientific competencies and communication skills needed for advanced careers in animal or veterinary biosciences

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Below you will find two sample four-year plans. These plans represent a range of interest and career-based options for completing the Animal and Veterinary Biosciences major. Your individual plan will look different from these plans. You should customize your own program of study in consultation with your advisor. The degree requires a minimum of 120 credits for completion.

SAMPLE FOUR-YEAR PLAN - VETERINARY INTEREST [1]

First Year

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101	3	CHEM 103	4
AN SCI/DY SCI 102	1	Major Breadth	3
AN SCI 135 (CALS First-Year Seminar)	1	General Education (Comm A, Comm B, or Ethnic)	3
University Breadth (Humanities or Social Science)	3	University Breadth (Humanities or Social Science)	3
MATH 112 or 114	3-5	Elective	3
General Education (Comm A, Comm B, or Ethnic)	3		
	14-16		**16**

Second Year

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/BOTANY 151[2]	5	ZOOLOGY/BIOLOGY/BOTANY 152 (Major Breadth)[2]	5
CHEM 104	5	CHEM 343 (Major Breadth)	3
Animal Science Core	3	General Education (Comm A, Comm B, or Ethnic)	3
University Breadth (Humanities or Social Science)	3	Animal Science Core	2-3
	16		**13-14**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 103 (Major Breadth)	4	Animal Science Core	3
Animal Biology Depth	3	Animal Biology Depth	2-3
BIOCHEM 501	3	Electives[3]	6-7
STAT 301 or 371	3	Electives	3
CALS International	3		
	16		**14-16**

Fourth Year

Fall	Credits	Spring	Credits
AN SCI 435 or DY SCI 535 (Capstone)	2	Animal Biology Depth	3
Animal Biology Depth	3	Animal Science Core	3
Electives[3]	3	Electives	7-9
Electives	6-8		
	14-16		**13-15**

Total Credits 116-125

1 This four-year plan reflects the minimum required coursework for UW-Madison School of Veterinary Medicine as of 2022-2023. Course requirements may vary among schools of veterinary medicine. Consult with your institution of choice and your advisor to ensure that the courses you select meet specific requirements.

2 Students may complete BIOLOGY/BOTANY/ZOOLOGY 151 Introductory Biology-BIOLOGY/BOTANY/ZOOLOGY 152 Introductory Biology or BIOLOGY/ZOOLOGY 101 Animal Biology-BIOLOGY/ZOOLOGY 102 Animal Biology Laboratory, BIOLOGY/BOTANY 130 General Botany

3 Electives will include additional coursework for veterinary school preparation.

SAMPLE FOUR-YEAR PLAN - ANIMAL BIOSCIENCES OR PRODUCTION INTEREST

First Year

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101	3	ZOOLOGY/ BIOLOGY 101[1]	3
AN SCI/DY SCI 102	1	Major Breadth	3
AN SCI 135 (CALS First-Year Seminar)	1	General Education (Comm A, Comm B, or Ethnic)	3
University Breadth (Humanities or Social Science)	3	University Breadth (Humanities or Social Science)	3
General Education (Comm A, Comm B, or Ethnic)	3	Electives	3
MATH 112 or 114	3-5		
	14-16		**15**

Second Year

Fall	Credits	Spring	Credits
ZOOLOGY/ BIOLOGY 102[1]	2	CHEM 104	5
CHEM 103	4	Animal Science Core	3
Animal Science Core	3	Animal Biology Depth	3
General Education (Comm A, Comm B, or Ethnic)	3	University Breadth (Humanities or Social Science)	3
Electives	2-3		
	14-15		**14**

Third Year

Fall	Credits	Spring	Credits
Animal Biology Depth	3	BIOCHEM 301	3
Animal Biology Depth	3	Animal Science Core	2-3
CALS International Studies	3	Animal Biology Depth	2-3
STAT 301 or 371	3	Major Breadth	3
Electives	3	Electives	3
	15		**13-15**

Fourth Year

Fall	Credits	Spring	Credits
AN SCI 435 or DY SCI 535 (Capstone)	2	Major Breadth	3
Major Breadth	3	Animal Science Core	3
Animal Biology Depth	3	Electives	9
Electives	8		
	16		**15**

Total Credits 116-121

[1] Students may complete BIOLOGY/ZOOLOGY 101 Animal Biology-BIOLOGY/ZOOLOGY 102 Animal Biology Laboratory, BIOLOGY/BOTANY 130 General Botany, or BIOLOGY/BOTANY/ ZOOLOGY 151 Introductory Biology-BIOLOGY/BOTANY/ ZOOLOGY 152 Introductory Biology.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student receives one-on-one guidance from their professional advisor. Academic advisors will help students build an individualized, four-year plan. Many Animal and Veterinary Biosciences majors complete certificates or double majors. Customary examples include Life Sciences Communication, Genetics and Genomics, Global Health, CALS Business Management, and opportunities outside of CALS such as foreign languages, depending on students' interests.

CAREER OPPORTUNITIES

All students have a faculty mentor to assist with their career planning.

Students graduating with a degree in Animal and Veterinary Biosciences can enter a number of career fields. These include nutrition and genetics, health and welfare, animal management and monitoring technology, meat science and biologics, food and animal research, and teaching. Many students go on to pursue professional education in veterinary medicine, graduate programs in animal science, or human medicine.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Animal and Veterinary Biosciences majors take part in a number of internships around campus and beyond. Past students interned at veterinary clinics and hospitals, genetics companies, animal feed companies, Extension, food companies, farms, animal pharmaceutical companies, animal councils, humane societies, and more.

On-campus opportunities at department animal care facilities, the UW School of Veterinary Medicine, and at Bucky's Varsity Meats, give students hands-on experience each semester.

RESEARCH EXPERIENCE

There are numerous opportunities to conduct research with faculty and staff in the department. Around 75% of Animal and Veterinary Biosciences majors have completed independent study projects. Several research stipends are available and some students also take part in research as part of an honors thesis.

STUDENT ORGANIZATIONS

By joining a student organization, Animal and Veterinary Biosciences majors connect with other students and build relationships with faculty and staff. Organizations of particular interest to Animal and Veterinary Biosciences students include the Pre Vet Association (https://win.wisc.edu/organization/prevetassociation/), Saddle and Sirloin Club (https://win.wisc.edu/organization/saddleandsirloin/), Poultry Club (https://www.facebook.com/PoultryClubUWMadison/), Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/), and Badger Meat Science Club (https://www.facebook.com/badgermeatscienceclub/).

There are additional opportunities for students to get involved in animal or agriculture-related organizations on campus, such as the Hoofer Riding Club (https://www.hooferriding.org/), Association of Women in Agriculture (http://awamadison.org/), Babcock House (https://

win.wisc.edu/organization/babcock_house/), and Collegiate FFA (http://collegiateffamadison.weebly.com/).

GLOBAL ENGAGEMENT

The department encourages students to study abroad and offers globally focused courses that look at animal health, animal agriculture, and sustainable development. Students can find more information on the International Academic Programs website (https://www.studyabroad.wisc.edu/) and the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Animal and Veterinary Biosciences students engage in a number of volunteer opportunities including working at the Livestock Lab, the Poultry Research Lab, the Dairy Cattle Center, Bucky's Varsity Meats, and Animal Farm Units. Students also participate in undergraduate student recruitment events, 4-H and Extension events, Dane County Humane Society, and spay/neuter clinics.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Animal and Veterinary Biosciences program awards $25,000–$35,000 in annual scholarships. Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

Campus facilities offering students hands-on experiences:

- The Livestock Laboratory accommodates research on multiple species and includes a surgery room.
- The Poultry Research Laboratory houses chickens and other birds.
- The state-of-the-art Meat Science & Animal Biologics Discovery Building houses a meat processing facility, retail shop, and advanced laboratories.
- A network of off-campus Agricultural Research Stations serve as living laboratories for agricultural animal research.
- The School of Veterinary Medicine Animal clinics and research labs offer experiences for undergraduate students.
- The Dairy Cattle Center houses more than 80 dairy cows on campus in a tie-stall barn.

ANIMAL SCIENCES, BS

Admissions to the Animal Science BS have been suspended as of spring 2024 and will be discontinued as of fall 2028. If you have any questions, please contact the department.

Students interested in the Animal Sciences BS may be interested in the Animal and Veterinary Biosciences BS (p. 66), a new major as of Fall 2023.

Studying the biology of domesticated animals helps us better understand their health. The major addresses important issues related to animal health and welfare, biomedical advancements, food safety, precision livestock farming, and land and water stewardship.

Students in the animal sciences major learn about cattle, swine, sheep, horses, poultry, and goats, as well as companion animals. They also examine recent discoveries connecting human and animal health.

The Department of Animal and Dairy Sciences is home to the undergraduate program in animal sciences. It produces skilled leaders in animal agriculture and sustainable food systems while embracing innovation and technology. A 10:1 student-faculty ratio and small classes allow for meaningful connections among students and instructors.

Students can take courses on an assortment of topics including animal breeding, veterinary genetics, animal health and welfare, animal nutrition, and companion animals including dogs and cats, and more. The major offers a science-focused path for students interested in veterinary medicine, animal science, medicine, or other graduate programs. Students can also focus on the business of animal sciences with classes in economics, accounting, marketing, farm management, and other courses.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

The program emphasizes hands-on learning, and students choose from more than a dozen lab courses covering animal handling, reproductive biology, veterinary genetics, meat processing, animal welfare, and more. Field courses look at international agriculture and sustainability. The department encourages animal sciences majors to get involved with internships and research with faculty and staff.

BUILD COMMUNITY AND NETWORKS

Animal sciences majors find a welcoming community where professors know their students and can provide guidance based on their specific goals. Outside of the classroom, students can join several student organizations including the Pre Vet Club (https://win.wisc.edu/organization/prevetassociation/), Badger Meat Science Club (https://win.wisc.edu/organization/badgermeatscienceclub/), Saddle and Sirloin Club (https://win.wisc.edu/organization/saddleandsirloin/), and Poultry Club (https://www.facebook.com/PoultryClubUWMadison/). Competitions, such as animal welfare assessment and meat judging offer students unique networking experiences in the industry.

CUSTOMIZE A PATH OF STUDY

The variety of classes in the department, including paths that emphasize science or business, allows animal sciences students to customize their coursework to fit their career goals. Students can elect to complete Honors in Animal Sciences.

MAKE A STRONG START

The department offers an introductory seminar course that helps students maximize their education, develop professional skills, and make informed decisions about their classes, internships, and career opportunities.

GAIN GLOBAL PERSPECTIVE

Students are encouraged to study abroad; the department offers globally focused courses that look at livestock production, health, animal agriculture, and sustainable development. Students can explore studying abroad as an Animal Sciences major utilizing the Animal Sciences Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Admissions to the Animal Science BS have been suspended as of spring 2024 and will be discontinued as of fall 2028. If you have any questions, please contact the department.

Students interested in the Animal Sciences BS may be interested in the Animal and Veterinary Biosciences BS (p. 66), a new major as of fall 2023.

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

The Animal Sciences BS cannot be earned in combination with the Animal and Veterinary Biosciences BS, Dairy Science BS, or Dairy and Food Animal Management BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3

CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)	

MAJOR REQUIREMENTS

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. A minimum of 15 credits must be completed in the major that are not used elsewhere.

Code	Title	Credits
Mathematics and Statistics		
Select one of the following (or may be satisfied by placement exam): [1]		5-6
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
Select one of the following:		3-4
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
Select one of the following:		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Biology		
Select one of the following:		13
Option 1:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	
Option 2:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	
Option 3:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
Genetics		
GENETICS 466	Principles of Genetics	3
Animal Sciences Core [2]		
AN SCI/DY SCI 101	Introduction to Animal Sciences	3
AN SCI/DY SCI 102	Introduction to Animal Sciences Laboratory	1
AN SCI/FOOD SCI 305	Introduction to Meat Science and Technology	4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 362	Veterinary Genetics	2
or AN SCI/ DY SCI 363	Principles of Animal Breeding	
AN SCI/DY SCI 373	Animal Physiology	3
or AN SCI/ DY SCI 434	Reproductive Physiology	
Animal Science Depth		
Select 12 credits from animal science depth courses [2]		12
Emphasis		
Select an emphasis		24-25
Capstone		
AN SCI 435	Animal Sciences Proseminar	2
Total Credits		**88-96**

[1] Science Emphasis students may choose to complete MATH 171 Calculus with Algebra and Trigonometry I and MATH 217 Calculus with Algebra and Trigonometry II in place of MATH 114 Precalculus and MATH 221 Calculus and Analytic Geometry 1.

[2] A course cannot be used for credit in both the Core and Depth within major sections.

DEPTH COURSES

Code	Title	Credits
Select 12 credits from the following:		
AN SCI/ FOOD SCI 321	Food Laws and Regulations	1
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
or AN SCI/DY SCI 363	Principles of Animal Breeding	
AN SCI 366	Concepts in Genomics	3
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development [1]	3
AN SCI/DY SCI 373	Animal Physiology	3
or AN SCI/ DY SCI 434	Reproductive Physiology	
AN SCI/DY SCI 414	Ruminant Nutrition & Metabolism	3
AN SCI 415	Application of Monogastric Nutrition Principles	2
AN SCI 420	Microbiomes of Animal Systems	3
AN SCI 431	Beef Cattle Production	3
AN SCI 432	Swine Production	3
DY SCI 471	Food Production Systems and Sustainability	3
AN SCI/DY SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1

AN SCI/DY SCI/ FOOD SCI/ SOIL SCI 473	International Field Study in Animal Agriculture and Sustainable Development	2
AN SCI/FOOD SCI 515	Commercial Meat Processing	2
Up to 3 credits from courses listed below can go toward the required 12 credits of depth:		3
AN SCI 399	Coordinative Internship/ Cooperative Education	
AN SCI 681	Senior Honor Thesis	
AN SCI 682	Senior Honors Thesis	
AN SCI 699	Special Problems	

[1] Meets CALS International Studies requirement.

EMPHASIS COURSES

SCIENCE EMPHASIS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
PHYSICS 103	General Physics	4
CHEM 343	Organic Chemistry I	3
BIOCHEM 501	Introduction to Biochemistry	3
Select 9 credits from the following:		9
CHEM 344	Introductory Organic Chemistry Laboratory	
CHEM 345	Organic Chemistry II	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
M M & I 341	Immunology	
M M & I/PATH-BIO 528	Immunology	
PHYSICS 104	General Physics	
PSYCH 449	Animal Behavior	
Total Credits		**24**

BUSINESS EMPHASIS

Up to two courses may be applied to Certificate in Business Mgmt. for Ag. & Life Sciences.

Code	Title	Credits
A A E 101	Introduction to Agricultural and Applied Economics [1]	4
or ECON 101	Principles of Microeconomics	
A A E 320	Agricultural Systems Management	3
A A E 322	Commodity Markets	4
Select one of the following:		3
M H R 305	Human Resource Management	
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	
Select one of the following:		3
BIOCHEM 301	Survey of Biochemistry	
CHEM 341	Elementary Organic Chemistry	
BIOCHEM 501	Introduction to Biochemistry	
Select 9 credits from the following:		9
A A E 419	Agricultural Finance	
ACCT I S 100	Introductory Financial Accounting	
or ACCT I S 300	Accounting Principles	
SOIL SCI 326	Plant Nutrition Management	
ECON/FINANCE 300	Introduction to Finance	
M H R 300	Managing Organizations	
MARKETNG 300	Marketing Management	
MATH 217	Calculus with Algebra and Trigonometry II	
or MATH 221	Calculus and Analytic Geometry 1	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
PHYSICS 103	General Physics	
SOIL SCI 301	General Soil Science	
Total Credits		**26**

[1] A A E 101 Introduction to Agricultural and Applied Economics not accepted as a prerequisite for some advanced Business courses.

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)

- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

REQUIREMENTS

To earn Honors in the Major, students are required to take at least 20 honors credits. In addition, students must take AN SCI 681 Senior Honor Thesis and AN SCI 682 Senior Honors Thesis when completing their thesis project; please see the Honors in Major Checklist (http://www.cals.wisc.edu/academics/undergraduate-programs/get-involved/honors-program/honors-in-the-major/) for more information.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Knowledge and comprehension) Develop the working vocabulary of an animal scientist, a working knowledge of the basic anatomy, biochemistry, physiology, and genetics of animal and meat biology, and the applied nutrition, breeding, product harvest and processing skills, necessary to manage animal production systems. Demonstrate knowledge through rigorous examination and demonstration through hands-on instructional laboratory activities.
2. (Analytical processing) Develop the ability to reduce complex datasets and scientific information into meaningful relationships and correlations, and using the scientific literature, develop hypotheses to test the cause of predicted relationships using the scientific method. Demonstrate skills through a senior capstone experience and through individualized research opportunities and instructional activities.
3. (Integration for application) Apply knowledge to develop solutions to real world problems. Identify problems yet to be investigated and in need of advanced study. Ability to integrate and apply knowledge is demonstrated through our internship programs, animal related job experiences, club activities, and problems sets that students solve in exams and laboratory settings.
4. (Critical thinking) Find their sources of information using peer reviewed research articles. Learn not only to question popular press, but understand that even in the scientific literature there are contradictory findings. Capacity to synthesize scientific literature such that they can communicate a position backed with strong scientific support. Skills are demonstrated through the reading, writing and discussion of science-based papers in key courses during their educational process and through an oral presentation in their capstone course.
5. (Effective communication) Communicate, both in writing and orally, the science behind the biology and management of domestically farmed animals. Communications provide new insights into animal production, and are explained in a manner fitting with the audience. Ability to communicate is measured by their effectiveness in presenting research posters and presentations, their analysis of the literature in papers and presentations in class and during their senior capstone course.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE ANIMAL SCIENCES FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101	3	CHEM 104	5
AN SCI/DY SCI 102	1	AN SCI Elective	1-3
AN SCI 135	1	Social Science (or Humanities)	3
CHEM 103	4	Ethnic Studies (or CALS International Studies)	3
MATH 113 or 114	3-5		
COMM-A	3		
	15-17		**12-14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/BOTANY 151	5	ZOOLOGY/BIOLOGY/BOTANY 152	5
STAT 371	3	Emphasis Course[1]	3
Emphasis Course[1]	3-4	Humanities (or Social Science)	6
CALS International Studies (or Ethnic Studies)	3		
	14-15		**14**

Junior

Fall	Credits	Spring	Credits
AN SCI/DY SCI 434	3	AN SCI/DY SCI/NUTR SCI 311	3
GENETICS 466	3	AN SCI/DY SCI 320	3
Emphasis Course	3	An Sci Depth[2]	3
AN SCI Depth Course	3	AN SCI/DY SCI 361[3]	2
AN SCI/FOOD SCI 305	4	AN SCI/DY SCI 362 or 363[3]	2
		Emphasis Course	3
	16		**16**

Senior

Fall	Credits	Spring	Credits
AN SCI 435		2 An Sci Depth	5-6
An Sci Depth		3 Electives	3
Emphasis Course		3-4 Emphasis course	3-5
Emphasis course	3-4		
AN SCI 699	1-3		
	12-16		**11-14**

Total Credits 110-122

1 Choose Science or Business Emphasis; see Requirements tab for details.
2 12 credits required; see Requirements tab for options.
3 These courses are generally offered as intensive modular courses with AN SCI/DY SCI 361 being offered first half of the semester and AN SCI/DY SCI 362/AN SCI/DY SCI 363 Principles of Animal Breeding offered second half of the semester.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student receives one-on-one guidance from their professional advisor. Academic advisors will help students build an individualized, four-year plan. Many animal sciences majors have completed double majors with Life Sciences Communication, Genetics and Genomics, and departments outside of CALS such as Spanish, depending on students' interests. Certificates such as CALS Business Management, Environmental Studies, Food Systems, and Global Health complement several of our students' interests and provide depth to their undergraduate program.

CAREER OPPORTUNITIES

All students have a faculty mentor to assist with their career planning.

Students graduating with a degree in animal sciences can enter a number of career fields. These include nutrition, herd management, food testing, business, marketing, technology, meat science, healthcare, research, and teaching. Graduates have also found positions within zoos. Many students go on to pursue graduate education in veterinary medicine, animal science, or human medicine.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Animal sciences majors take part in a number of internships around campus and beyond. Past students interned at veterinary clinics and hospitals, genetics companies, animal feed companies, Extension, food companies, farms, animal pharmaceutical companies, animal councils, and more.

Opportunities at Bucky's Varsity Meats, an on-campus meat-processing facility, and the Livestock Laboratory give students hands-on experience with all aspects of meat production.

RESEARCH EXPERIENCE

There are numerous opportunities to conduct research with faculty and staff in the department. Around 75% of animal sciences majors have completed independent study projects, and research stipends are available. Some students also take part in research as part of an honors thesis.

STUDENT ORGANIZATIONS

By joining a student organization, animal sciences majors connect with other students and build relationships with faculty and staff. Organizations available to animal sciences students include the Pre Vet Club (https://prevetassociation.weebly.com/), Badger Meat Science Club (https://www.facebook.com/badgermeatscienceclub/), Saddle and Sirloin Club (https://win.wisc.edu/organization/saddleandsirloin/), and Poultry Club (https://www.facebook.com/PoultryClubUWMadison/).

There are additional opportunities for students to get involved in animal-related organizations on campus such as the Hoofer Riding Club (https://www.hooferriding.org/), Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/), Collegiate FFA (http://collegiateffamadison.weebly.com/), and Association of Women in Agriculture (http://awamadison.org/).

COMPETITIVE TEAMS

Students can join teams and compete against other universities for events such as the Animal Welfare Assessment and the Animal Science Academic Quadrathalon competition.

GLOBAL ENGAGEMENT

The department encourages students to study abroad and offers globally focused courses that look at livestock production, health, animal agriculture, and sustainable development. Students can find more information on the International Academic Programs website (https://www.studyabroad.wisc.edu/) and the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Animal sciences students engage in a number of volunteer opportunities including working at the Livestock Lab, the Poultry Research Lab, the Dairy Cattle Center, Bucky's Varsity Meats, and Animal Farm Units. Students also participate in Extension, 4-H, and undergraduate student recruitment events.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The animal sciences program awards $25,000–$35,000 in annual scholarships. Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here. (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/)

The new, state-of-the-art Meat Science & Animal Biologics Discovery Building houses a fully functional meat processing facility, a retail shop called Bucky's Varsity Meats, and an advanced laboratory that offers students highly valued hands-on opportunities.

Other specialized facilities offering students hands-on experiences include:

- The Livestock Laboratory accommodates research on multiple species and includes a surgery room.
- The Poultry Research Laboratory houses chickens and other birds.
- The Dairy Cattle Center houses more than 80 dairy cows on campus in a tie-stall barn.
- A network of off-campus Agricultural Research Stations (https://ars.wisc.edu/) serve as living laboratories for agricultural animal research.

DAIRY AND FOOD ANIMAL MANAGEMENT, BS

Studying the business of animal agriculture and the biology and management of farm animals can lead to improvements in our food production systems that will benefit animals, farmers, consumers, and the environment. Students in the Dairy and Food Animal Management major learn these principles while embracing innovation and technology to meet the needs of today's dairy, livestock, poultry, and meat industries. The Department of Animal and Dairy Sciences, home of the undergraduate program in dairy and food animal management, produces skilled leaders who integrate management challenges associated with animal health and welfare, land and water stewardship, precision livestock farming, food safety, and sustainable global agriculture.

A 10:1 student-faculty ratio and small classes allow for meaningful connections. Out-of-classroom learning opportunities, such as internships on farms or with agribusiness, and management experiences associated with meat processing give students the training they need for successful 21st-century careers. Students can also gain valuable experience working in research labs, department dairy and livestock operations, as well as the meat processing and retail facilities.

Students majoring in Dairy and Food Animal Management are working toward a variety of careers that require a strong background in agribusiness, animal biology, farm management, livestock production management, meat industry, technical services and consulting, research, and outreach.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

UW-Madison has farm animals on campus. Animal facilities are located near classrooms giving students easy access to livestock and poultry during lab sessions. Animal agriculture is not just about managing animals-it is about business economics and global food systems. Out-of-the classroom experiences are the norm for Dairy and Food Animal Management students, with **100 percent** of students completing an internship or field experience.

Hands-on courses include reproduction, animal nutrition and genetics, dairy herd management, lactation physiology, meat science, and processing. Students solve problems through field trips, involvement on farms, and processing facilities.

BUILD COMMUNITY AND NETWORKS

Madison is an ideal location for the study of dairy and food animal management. It is a vibrant city-home to many large agribusinesses-located close to dairy & livestock farms and meat markets. Students volunteer in a variety of activities when involved with clubs and organizations; making connections and networking with industry partners via events such as World Dairy Expo directed by the Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/) and the Lamb Show directed by the Saddle & Sirloin Club (https://win.wisc.edu/organization/saddleandsirloin/).

CUSTOMIZE A PATH OF STUDY

Dairy and Food Animal Management students can customize their coursework to fit their career goals with a large variety of animal classes in combination with courses taught by Agricultural & Applied Economics. The major can by combined with other majors such as Life Sciences Communication and Agronomy or certificates such as computer sciences, food systems, environmental studies, and global health.

MAKE A STRONG START

Students can take an introductory seminar course that helps them develop an individualized four-year course plan, learn about internships and job opportunities, and discuss leadership development opportunities.

GAIN GLOBAL PERSPECTIVE

Dairy and Food Animal Management majors are encouraged to go on study abroad programs, where they can immerse themselves in international animal production coursework, research, or field experiences. Many students have completed a semester abroad in The Netherlands. Additional CALS Study Abroad collaborations include Dublin, Ireland, Greece, and New Zealand undergraduate programs. Students work with their advisor and the CALS study abroad office (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/) to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.

Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

The Dairy and Food Animal Management BS cannot be earned in combination with the Animal Sciences BS or Dairy Science BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

SUMMARY OF MAJOR REQUIREMENTS

Code	Title	Credits
Major Requirements		
Foundation		19-25
Major Core		8
Major Depth and Breadth		36
Internship		1
Major Capstone		2-3
Total Credits		**66-73**

DAIRY & FOOD ANIMAL MANAGEMENT MAJOR REQUIREMENTS

Code	Title	Credits
Foundation		
Mathematics		
Complete one of the following (or may be satisfied by placement exam):		3-5
MATH 112	College Algebra	
MATH 114	Precalculus	
Statistics		
STAT 301	Introduction to Statistical Methods	3
or STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		*5-9*

Complete one of the following:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Biology		*5*
Complete one of the following:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	Animal Biology and Animal Biology Laboratory	
Biochemistry		*3*
BIOCHEM 301	Survey of Biochemistry	
or BIOCHEM 501	Introduction to Biochemistry	
Major Core		
AN SCI/DY SCI 101	Introduction to Animal Sciences	3
AN SCI/DY SCI 102	Introduction to Animal Sciences Laboratory	1
A A E 101	Introduction to Agricultural and Applied Economics	4
or ECON 101	Principles of Microeconomics	
Major Depth and Breadth		
Animal Science		*12*
Complete 12 credits from the following:		
AN SCI 245	Animal Welfare	
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	
AN SCI/ DY SCI 320	Animal Health and Disease	
AN SCI 336	Animal Growth and Development	
AN SCI/ DY SCI 361	Introduction to Animal and Veterinary Genetics	
AN SCI/ DY SCI 363	Principles of Animal Breeding	
AN SCI 366	Concepts in Genomics	
AN SCI/ DY SCI 373	Animal Physiology	
AN SCI/ DY SCI 414	Ruminant Nutrition & Metabolism	
AN SCI 415	Application of Monogastric Nutrition Principles	
AN SCI/ DY SCI 434	Reproductive Physiology	
DY SCI 378	Lactation Physiology	
Food and Animal Agriculture		*12*
Complete 12 credits from the following:		
AN SCI/ FOOD SCI 305	Introduction to Meat Science and Technology	
AN SCI/ FOOD SCI 321	Food Laws and Regulations	
AN SCI/BSE 344	Digital Technologies for Animal Monitoring	
AN SCI/ DY SCI 370	Livestock Production and Health in Agricultural Development	
AN SCI 420	Microbiomes of Animal Systems	
AN SCI 431	Beef Cattle Production	
AN SCI 432	Swine Production	
DY SCI 471	Food Production Systems and Sustainability	
AN SCI/ FOOD SCI 515	Commercial Meat Processing	
DY SCI 233	Dairy Herd Management I	
DY SCI 234	Dairy Herd Management II	
DY SCI 534	Reproductive Management of Dairy Cattle	
FOOD SCI 301	Introduction to the Science and Technology of Food	
PLANTSCI 302	Forage Management and Utilization	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
or SOIL SCI 301	General Soil Science	
Business, Economics, and Management		*12*
Complete the following two courses:		
A A E 320	Agricultural Systems Management	
A A E 419	Agricultural Finance	
Complete 6 credits from the following:		
A A E 322	Commodity Markets	
A A E 335	Introduction to Data Analysis using Spreadsheets	
A A E/ECON 421	Economic Decision Analysis	
A A E 422	Food Systems and Supply Chains	
ACCT I S 300	Accounting Principles	
GEN BUS 301	Business Law	
MARKETNG 300	Marketing Management	
M H R 300	Managing Organizations	
M H R 305	Human Resource Management	
Internship		**1**
Complete the following course:		
AN SCI 399	Coordinative Internship/ Cooperative Education	
Capstone		**2-3**
Complete one of the following:		
AN SCI 435	Animal Sciences Proseminar	
DY SCI 535	Dairy Farm Management Practicum	
Total Credits		**66-73**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree — To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Describe biological principles and their application within dairy and food animal production systems
2. Explain business, management, and economic principles and their application to dairy and food animal production systems
3. Apply scientific principles and critical thinking skills to identify and solve real-world problems facing dairy and food animal production enterprises
4. Demonstrate the scientific, managerial, and communication competencies needed for advanced careers in dairy and food animal management

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS Report, the Degree Planner, Guide Requirements, and the Course Search & Enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

SAMPLE DAIRY AND FOOD ANIMAL MANAGEMENT FOUR-YEAR PLANS

Dairy Focus

First Year

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101	3	CHEM 103	4
AN SCI/DY SCI 102	1	A A E 101 (Social Science)	4
AN SCI 135 (CALS First Year Seminar)	1	Elective	3
MATH 112	3	Communications B	3
Humanities (or Ethnic Studies)	3		
Communications A	3		
	14		**14**

Second Year

Fall	Credits	Spring	Credits
CHEM 104	5	BIOLOGY/ ZOOLOGY 101	3
STAT 301 (or CALS International)	3	BIOLOGY/ ZOOLOGY 102	2
Ethnic (or Humanities)	3	BIOCHEM 301	3
Major Depth and Breadth - Food and Animal Agriculture	3	Humanities	3
		Major Depth and Breadth - Food and Animal Agriculture	3
		Elective	2
	14		**16**

Third Year

Fall	Credits	Spring	Credits
Major Depth and Breadth - Animal Science	3	Major Depth and Breadth - Food and Animal Agriculture	3
Major Depth and Breadth - Business, Economics, and Managment	3	Major Depth and Breadth - Business, Economics, and Management	3
CALS International (or Statistics)	3	Major Depth and Breadth - Animal Science	3-4
General Education	3	Electives	6
Elective or Internship	1-3		
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
Capstone	2-3	Major Depth and Breadth - Business, Economics, and Management	3
Major Depth and Breadth - Food and Animal Agriculture	3	Major Depth and Breadth - Animal Science	3
Major Depth and Breadth - Business, Economics, and Management	3	Electives	10
Major Depth and Breadth - Animal Science	3		
Electives	3		
	15		**16**

Total Credits 120

Food Animal/Meat Focus

First Year

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101	3	CHEM 103	4
AN SCI/DY SCI 102	1	A A E 101 (General Education - Social Science)	4
AN SCI 135 (CALS First Year Seminar)	1	Elective	3
MATH 112	3	Communications B	3
Humanities (or Ethnic)	3		
Communications A	3		
	14		**14**

Second Year

Fall	Credits	Spring	Credits
CHEM 104	5	BIOLOGY/ ZOOLOGY 101	3
STAT 301 (or CALS International)	3	BIOLOGY/ ZOOLOGY 102	2
Ethnic (or Humanities)	3	BIOCHEM 301	3
Major Depth and Breadth - Animal Science	3	Humanities	3
		Major Depth and Breadth - Animal Science	3
		Elective	2
	14		**16**

Third Year

Fall	Credits	Spring	Credits
Major Depth and Breadth - Food and Animal Agriculture	3	Major Depth and Breadth - Food and Animal Agriculture	3
Major Depth and Breadth - Business, Economics, and Managment	3	Major Depth and Breadth - Business, Economics, and Management	3
CALS International Studies (or Statistics)	3	Major Depth and Breadth - Animal Science	3-4
Elective or Internship	4-6	Electives	6
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
Capstone	2-3	Major Depth and Breadth - Business, Economics, and Management	3
Major Depth and Breadth - Food and Animal Agriculture	3	Major Depth and Breadth - Food and Animal Agriculture	3
Major Depth and Breadth - Business, Economics, and Management	3	Electives	10
Major Depth and Breadth - Animal Science	3		
Electives	3		
	15		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each Dairy and Food Animal Management major receives one-on-one guidance from their academic advisor. Academic advisors will help students build an individualized curriculum four-year plan, explore and identify experiences to meet career goals and deepen their educational program.

CAREER OPPORTUNITIES

As students find their career interests, faculty working in those fields serve as career mentors to help students make progress toward their goals.

Undergraduates in Dairy and Food Animal Management prepare for a variety of career opportunities. Animal agriculture career opportunities include animal nutrition and consulting, animal breeding & genetics, herd management, information technology, product development, quality control, food testing and Agriculture business.

Dairy and Food Animal Management graduates are in high demand by employers and receive job offers with competitive salaries.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

In the Dairy and Food Animal Management program, 100 percent of students complete an internship or field experience. Students will work with their faculty mentor to explore internship opportunities and establish goals.

UW-Madison's proximity to farms, agribusinesses, and events such as Dairy Expo provide undergraduates with unique internships and valuable hands-on learning. Students can be directly involved with meat processing and sales at Bucky's Varsity Meats, providing real life experiences.

Internship opportunities from industry collaborators are dispersed to students via department communications.

RESEARCH EXPERIENCE

Many students complete a research project under mentorship from a faculty member. Animal and Dairy science faculty are internationally recognized specialists in nutrition, genetics, lactation, reproduction, animal welfare, herd management, and more. Students can take on research projects with faculty members for either course credit or pay, depending on the opportunity.

STUDENT ORGANIZATIONS

The Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/) is a large, motivated student organization on campus with members from various majors who share a passion for the dairy industry. Highlights of the club's activities include work at the World Dairy Expo and club trips.

The Saddle & Sirloin Club (https://win.wisc.edu/organization/saddleandsirloin/) hosts various livestock shows, such as the Lamb Show.

The Poultry Club (https://www.facebook.com/PoultryClubUWMadison/) and Badger Meat Science Club (https://www.facebook.com/badgermeatscienceclub/) are active department clubs offering students unique opportunities to be involved with events and networking opportunities within their respective industries.

Students in these organizations volunteer and participate in events such as Wisconsin 4-H competitions, FFA Judging Contests, and club trips. These clubs also offer student opportunities to be in leadership positions and develop soft skills.

There are other opportunities for students to get involved in agriculture-related organizations on campus such as Collegiate FFA (http://collegiateffamadison.weebly.com/), Association of Women in Agriculture

(http://awamadison.org/), Babcock House (https://win.wisc.edu/organization/babcock_house/), and Alpha Gamma Rho (https://win.wisc.edu/organization/agr/).

COMPETITIVE TEAMS

Students can join competitive teams that take part in Intercollegiate Dairy Judging (https://andysci.wisc.edu/uw-madison-dairy-judging/), the North American Intercollegiate Dairy Challenge (https://andysci.wisc.edu/national-north-american-intercollegiate-dairy-challenge/), and the Intercollegiate Riding Teams (https://win.wisc.edu/organization/wisconsinequestrianteam/).

GLOBAL ENGAGEMENT

Dairy and Food Animal Management students are encouraged to study abroad. Students can find more information on the International Academic Programs website (https://www.studyabroad.wisc.edu/) and the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

In addition to study abroad programs, the department offers globally focused courses that look at animal agriculture, sustainable development, improvement in developing countries, and the world role of U.S. animal agriculture, and food production related to human and environmental health, land use, and social justice.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students volunteer at a number of activities directed by Badger Dairy Club, Saddle & Sirloin, Poultry Club, and the Meat Science Club. Students have the unique opportunity to be directly involved in the working behind the scenes before, during, and after the shows and events.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The department offers more than 40 scholarships and awards more than $170,000 annually.

Students across the College of Agricultural & Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

UW-Madison has specialized facilities offering students hands-on dairy science experiences, including:

- The Dairy Cattle Center (https://andysci.wisc.edu/about-us/facilities/) is home to more than 80 dairy cows on campus in a tie-stall barn.
- The Poultry Research Lab (https://andysci.wisc.edu/about-us/facilities/) is located right on campus, housing chickens and other poultry; offering students part time jobs and involvement with poultry research being conducted by faculty.
- Bucky's Varsity Meats (https://varsitymeats.cals.wisc.edu/) is a student driven retail store selling a variety of meats and meat products. Students can find part-time work and experience in a wide range of meat marketing jobs.
- The Livestock Laboratory (https://andysci.wisc.edu/about-us/facilities/) houses a variety of livestock being used for classes or research in which students' opportunities to gain hands-on handling skills for part-time jobs.
- A network of off-campus Agricultural Research Stations (https://ars.wisc.edu/) serve as living laboratories for livestock research to enhance research taking place on campus.
- The Babcock Dairy Plant (https://babcockhalldairyplant.wisc.edu/) is a fully operational dairy plant with a retail store selling dairy products. Students can find part-time work and experience in a wide range of dairy processing jobs.

DAIRY SCIENCE, BS

Admissions to the Dairy Science, BS were suspended as of spring 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

Students interested in the Dairy Science BS may be interested in the Dairy and Food Animal Management BS (p. 78), a new major as of Fall 2024.

Studying the biology and management of dairy cows can lead to improvements in dairy production, animal welfare, human nutrition, and environmental protections. Students in the dairy science major learn all of these principles while embracing innovation and technology to meet needs in the dairy industry. The Department of Animal and Dairy Sciences, home of the undergraduate program in dairy science, produces skilled leaders who address the challenges of animal health and welfare, land and water stewardship, precision livestock farming, food safety, and biomedical advancements.

A 10:1 student-faculty ratio and small classes allow for meaningful connections. Out-of-classroom learning opportunities, such as internships on farms or with agribusiness, give students the training they need for successful 21st-century careers. Students can also gain valuable experience in research labs or in the student-operated Dairy Cattle Center.

Students majoring in dairy science are working toward a variety of careers that require a strong background in animal biology including agribusiness, dairy farm management, technical services and consulting, research, and teaching. Students also prepare for veterinary medicine or graduate school.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

UW–Madison has cows on campus. The Dairy Cattle Center is located near classrooms giving students access to cows during lab sessions. But dairy science isn't just about milking cows — it includes genetics, nutrition, lactation, and biological and digital technologies that are relevant to the dairy industry and beyond. Out-of-the-classroom experiences are the norm for dairy science students, with 100% of students completing an internship or field experience.

Field courses include dairy nutrition and dairy cattle judging. Lab courses cover dairy herd management, lactation, reproduction, and dairy cattle

improvement. Students solve problems through field trips to working commercial dairy operations.

BUILD COMMUNITY AND NETWORKS

Madison is an ideal location for the study of dairy science. It is a vibrant city – home to many large agribusinesses – that's also located close to dairy farms. Students volunteer in a variety of activities directed by the Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/). The largest effort is their work at the World Dairy Expo, an international dairy event held in Madison.

CUSTOMIZE A PATH OF STUDY

Dairy science students can customize their coursework to fit their career goals with a large variety of classes in the department. The major can be combined with other majors such as agricultural business management, genetics and genomics, life science communications, or agronomy. Students can also pursue Honors in Dairy Science.

MAKE A STRONG START

Students can take an introductory seminar course that helps them develop an individualized four-year course plan, learn about internships and job opportunities, and discuss leadership development opportunities.

GAIN GLOBAL PERSPECTIVE

Dairy science majors are encouraged to go on study abroad programs, where they can immerse themselves in research or field experiences. In recent years, a program to central Mexico has focused on global agricultural, rural development, and the relationship between the U.S. and Mexican dairy industries, and many students have completed a semester abroad in The Netherlands. Students can explore studying abroad as a Dairy Science major by utilizing the Dairy Science Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Admissions to the Dairy Science, BS were suspended as of spring 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

Students interested in the Dairy Science BS may be interested in the following new majors:

- Dairy and Food Animal Management BS (p. 78)
- Animal and Veterinary Biosciences BS (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/animal-dairy-sciences/animal-veterinary-biosciences-bs/)

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

The Dairy Science BS, cannot be earned in combination with the Animal and Veterinary Biosciences BS, Animal Sciences BS, or Dairy and Food Animal Management BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Select one of the following (or may be satisfied by placement exam):		3-5
MATH 112	College Algebra	
MATH 114	Precalculus	
MATH 171	Calculus with Algebra and Trigonometry I	
Select one of the following:		3
STAT 301	Introduction to Statistical Methods	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
Select one of the following:		4-5
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Biology		
Select one of the following options:		9-10
Option 1:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
AGRONOMY 100	Principles and Practices in Crop Production	
Option 2:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	
Option 3:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Select one of the following:		3
GENETICS 466	Principles of Genetics	
CHEM 341	Elementary Organic Chemistry	
CHEM 343	Organic Chemistry I	
MICROBIO 101	General Microbiology	
MICROBIO 303	Biology of Microorganisms	
M M & I 341	Immunology	
Biochemistry		
Select one of the following:		3-6
BIOCHEM 301	Survey of Biochemistry	
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	
Economics		
Select one of the following:		4
A A E 101	Introduction to Agricultural and Applied Economics	
ECON 101	Principles of Microeconomics	
Dairy Science Core		
AN SCI/DY SCI 101	Introduction to Animal Sciences	3
AN SCI/DY SCI 102	Introduction to Animal Sciences Laboratory	1
DY SCI 233	Dairy Herd Management I	3
DY SCI 234	Dairy Herd Management II	3
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 362	Veterinary Genetics	2
or AN SCI/DY SCI 363	Principles of Animal Breeding	
AN SCI/DY SCI 373	Animal Physiology	3
DY SCI 378	Lactation Physiology	3

AN SCI/DY SCI 414	Ruminant Nutrition & Metabolism	3
AN SCI/DY SCI 434	Reproductive Physiology	3
Capstone		
DY SCI 399	Coordinative Internship/ Cooperative Education	1-8
DY SCI 535	Dairy Farm Management Practicum	3
Dairy Science Electives		
Select at least 3 credits from:		3
AN SCI 135	Grand Challenges and Career Opportunities in Animal and Dairy Sciences	
DY SCI 205	Dairy Cattle Improvement Programs	
DY SCI 289	Honors Independent Study [1]	
DY SCI 299	Independent Study [1]	
DY SCI/ AN SCI 370	Livestock Production and Health in Agricultural Development	
DY SCI 375	Special Topics [1]	
DY SCI 471	Food Production Systems and Sustainability	
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 473	International Field Study in Animal Agriculture and Sustainable Development	
DY SCI 534	Reproductive Management of Dairy Cattle	
DY SCI 681	Senior Honors Thesis [1]	
DY SCI 682	Senior Honors Thesis [1]	
DY SCI 699	Special Problems [1]	
Total Credits		**65-79**

[1] Consult with your advisor for details.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Gain knowledge of current and emerging research based information in animal biology and management sciences to support dairy production.
2. Gain intellectual, practical and attitudinal skills needed to identify and solve problems and challenges facing dairy producers and allied industries.
3. Gain in life-long learning skills to enable graduates to adapt to changing technological, economic and social circumstances throughout their professional career.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE DAIRY SCIENCE FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
AGRONOMY 100	4	A A E 101	4
DY SCI/AN SCI 101	3	CHEM 103	4
AN SCI/DY SCI 102	1	DY SCI 205	2
AN SCI 135	1	COMM B Course	3
MATH 112	3	Elective	3
COMM A Course	3		
	15		**16**

Total Credits 31

Sophomore

Fall	Credits	Spring	Credits
CHEM 104	5	DY SCI 234	3
DY SCI 233	3	DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472[1]	1
STAT 371	3	BIOLOGY/ ZOOLOGY 101	3
Ethnic Studies	3	BIOLOGY/ ZOOLOGY 102	2
		BIOCHEM 301	3
		Elective	3
	14		**15**

Total Credits 29

Junior

Fall	Credits	Spring	Credits
DY SCI/AN SCI 370	3	DY SCI/AN SCI/ NUTR SCI 311	3
DY SCI 378	3	DY SCI/AN SCI 361	2
DY SCI 399	1-6	DY SCI/AN SCI 362 or 363	2
Genetics prereq core	3	DY SCI/AN SCI 373	3
Social Science (or Humanities)	3	DY SCI 471 (or elective course)	3

		Humanities	3
	13-18		**16**

Total Credits 29-34

Senior

Fall	Credits	Spring	Credits
DY SCI/AN SCI 414	3	DY SCI 534	3
DY SCI/AN SCI 434	3	Elective Courses	9
DY SCI 535	3	Humanities (or Social Science)	3
Elective Courses	6		
	15		**15**

Total Credits 30

SAMPLE DAIRY SCIENCE FOUR-YEAR PLAN–PRE-VETERINARY

Freshman

Fall	Credits	Spring	Credits
CHEM 103	4	A A E 101	4
DY SCI/AN SCI 101	3	CHEM 104	5
AN SCI/DY SCI 102	1	DY SCI 205	2
AN SCI 135	1	Ethnic Studies (or Comm A)	3
MATH 221	5		
COMM A Course (or Ethnic Studies)	3		
	17		**14**

Total Credits 31

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151	5	DY SCI 234	3
DY SCI 233	3	DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472[1]	1
STAT 371	3	BIOLOGY/BOTANY/ ZOOLOGY 152	5
DY SCI/AN SCI 370	3	Humanities	3
		Social Science	3
	14		**15**

Total Credits 29

Junior

Fall	Credits	Spring	Credits
CHEM 343	3	DY SCI/AN SCI/ NUTR SCI 311	3
DY SCI 378	3	DY SCI/AN SCI 373	3
GENETICS 466	3	BIOCHEM 501	3
DY SCI 399	1-6	DY SCI/AN SCI 361	2
Elective	3	DY SCI/AN SCI 362 or 363	2
		Elective (undergraduate research recommended)	3
	13-18		**16**

Total Credits 29-34

Senior

Fall	Credits	Spring	Credits
DY SCI/AN SCI 414	3	DY SCI 534	3
DY SCI/AN SCI 434	3	PHYSICS 104	4
DY SCI 535	3	DY SCI/AN SCI 320	3
PHYSICS 103	4	DY SCI 699 (or elective)	1-3
DY SCI 699 (or elective)	1-3	Elective	3
	14-16		**14-16**

Total Credits 28-32

[1] Students are encouraged to apply for DY SCI/AN SCI/FOOD SCI/ SOIL SCI 473, a summer study abroad experience associated with this course.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each dairy science student receives one-on-one guidance from their academic advisor. Academic advisors will help students build an individualized, four-year plan. Students are encouraged to take part in research experiences and internships.

CAREER OPPORTUNITIES

As students find their career interests, faculty working in those fields serve as career advisors to help students make progress toward their goals.

Undergraduates in dairy science prepare for a variety of career opportunities. Science-related career opportunities include research, quality control, communications, patent law, pharmaceuticals, food testing, and human nutrition. Animal agriculture career opportunities include veterinary medicine, animal nutrition and consulting, dairy genetics, herd management, information technology, and business.

Dairy science graduates are in high demand by employers and receive job offers with competitive salaries.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

In the dairy science program, 100% of students complete an internship or field experience. The department offers an internship course under the guidance of a faculty or staff member.

UW–Madison's proximity to farms, agribusinesses, and events such as the World Dairy Expo provides undergraduates with unique networking experiences and valuable hands-on learning.

RESEARCH EXPERIENCE

More than half of the students complete a research project under mentorship from a faculty member. Dairy science researchers are internationally recognized specialists in nutrition, genetics, lactation, reproduction, animal welfare, herd management, and more. Students can take on research projects with faculty members for either course credit or pay, depending on the opportunity.

STUDENT ORGANIZATIONS

The Badger Dairy Club (https://win.wisc.edu/organization/badgerdairyclub/) is a large, motivated student organization on campus with more than 75 members of various majors who share a passion for the dairy industry. Students are involved in dairy industry events that provide leadership and networking opportunities. Highlights of the club's activities include work at the World Dairy Expo, hosting the Badger Invitational Sale, volunteering at the Wisconsin 4-H Dairy Bowl and FFA Dairy Judging Contests, and club trips.

There are other opportunities for students to get involved in agriculture-related organizations on campus such as Collegiate FFA (http://collegiateffamadison.weebly.com/), Association of Women in Agriculture (http://awamadison.org/), and Alpha Gamma Rho (https://win.wisc.edu/organization/agr/).

COMPETITIVE TEAMS

Students can join competitive teams that take part in Intercollegiate Dairy Judging (https://andysci.wisc.edu/uw-madison-dairy-judging/), the North American Intercollegiate Dairy Challenge (https://andysci.wisc.edu/national-north-american-intercollegiate-dairy-challenge/), and the Animal Welfare Assessment Contest (https://www.awjac.org/#YPcEjUxOnct).

GLOBAL ENGAGEMENT

Dairy science students are encouraged to study abroad; the department offers globally focused courses that look at livestock production, health, animal agriculture, and sustainable development, including a summer field study program focused on animal agriculture. Students can find more information on the International Academic Programs website (https://www.studyabroad.wisc.edu/) and the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

In addition to study abroad programs, the dairy science major offers several courses that cover animal systems and their improvement in developing countries, the world role of U.S. animal agriculture, and food production related to human and environmental health, land use, and social justice.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students volunteer at a number of activities directed by the Badger Dairy Club. The largest effort is their work at the World Dairy Expo, an international dairy event held in Madison. There students have the unique opportunity to be directly involved in the event working behind the scenes before, during, and after the show.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

The department offers more than 30 scholarships and awards more than $170,000 annually.

Students across the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

UW–Madison has specialized facilities offering students hands-on dairy science experiences, including:

- The Dairy Cattle Center is home to more than 80 dairy cows on campus in a tie-stall barn.
- A network of off-campus Agricultural Research Stations (https://ars.wisc.edu/) serve as living laboratories for dairy research to enhance research taking place on campus.
- The Babcock Dairy Plant is a fully operational dairy plant with a retail store selling dairy products. Students can find part-time work and experience in a wide range of dairy processing jobs.

BACTERIOLOGY

See the microbiology major in Guide for information on exploring, declaring, advising, and careers within microbiology.

Microbiology, the study of microorganisms, helps us understand our world and solve major problems. Microorganisms, or microbes, were the first life forms on earth and influence our lives and our planet in innumerable ways. The field of microbiology is constantly expanding as we learn more about the role of microbes in infectious disease, environmental remediation, bioenergy, food safety, antibiotic resistance, biotechnology and much more. Communities of microbes (or "microbiomes") are critically important in human health, global warming, agricultural yield, criminal justice, economic development and other issues of national concern.

The microbiology major, offered by the Department of Bacteriology, is a rigorous path of study, providing a curriculum packed with deep knowledge on broad aspects of microbiology and emphasizing modern laboratory skills. The core courses focus on the diversity, genetics, biochemistry, and physiology of microorganisms. A variety of elective courses provide the opportunity to study environmental microbiology, food microbiology, microbial pathogenesis, immunology, virology, microbiomes and microbial biotechnology, as well as advanced topics in microbial genetics and physiology. In the instructional laboratory courses, students learn beginning through advanced laboratory techniques—gaining the type of hands-on experiences with modern equipment that employers and graduate schools seek. Additionally, students can conduct mentored and independent research projects in faculty laboratories.

The bachelor's degree provides a strong background in the biological sciences for students planning to enter medical, dental, veterinary or other professional schools, as well as those planning graduate studies in any branch of microbiology or other biological sciences such as biochemistry, pathology, and molecular or cell biology.

Students who end their training with a bachelor's degree are well-prepared for a variety of career opportunities, including laboratory positions in pharmaceutical and biotechnology firms, and in university and government laboratories. They also work as specialists in industrial quality testing and control, and as regulatory workers in government agencies and public health laboratories. Exposure to the scientific process, as well as training in microbiology, allows microbiology graduates to enter fields as diverse as business, technical service, sales, and technical writing.

The department also serves as the administrative home for the biology major in the College of Agricultural and Life Sciences.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Biology, BS (CALS) (p. 89)
- Microbiology, BS (CALS) (p. 101)

BIOLOGY, BS (CALS)

The Biology Major is designed for students with broad interests in the biological sciences. It is intended primarily to:

1. prepare undergraduates for graduate studies in diverse areas of biology;
2. prepare certain pre-professional students (e.g., medicine, veterinary medicine, dentistry) for advanced study in the health professions;
3. provide a broad exposure to biology for students who want a general science education as biologists, and
4. serve as initial preparation for students who later choose a more specialized major.

The major is offered by the College of Agricultural and Life Sciences and the College of Letters & Science.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students who intend to major in Biology in either the College of Letters and Science (L&S) or the College of Agricultural and Life Sciences (CALS) may not combine this major ("double major") with the Molecular and Cell Biology Major or the Neurobiology Major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly,

courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

REQUIREMENTS FOR THE MAJOR

A minimum of 15 credits must be completed in the major that are not used elsewhere. Students must complete a minimum of 31 credits of biological science courses within the introductory biology, foundation course, upper-level breadth in the major, and capstone requirements. Unless specifically stated otherwise, courses may not be used to meet multiple requirements of the major.

In addition to the standard Biology major, there is a Named Option in Evolutionary Biology. Students may complete only one Biology major/named option and must declare the option they are pursuing.

CORE REQUIREMENTS

Mathematics and Statistics

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211	Survey of Calculus 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

Chemistry

Code	Title	Credits
General Chemistry (Complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Total Credits		**13-18**

Physics

Code	Title	Credits
First Semester Physics (complete one of the following):		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
Second Semester Physics (complete one of the following):		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Total Credits		**8-10**

Introductory Biology

Code	Title	Credits
Select one of the following options:		10-13
Option A:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option B:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
Option C:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	
Total Credits		**10-13**

Foundation Course (complete one of the following):

Students may use BIOCORE 381 and BIOCORE 383 toward both introductory biology and foundation.

Code	Title	Credits
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6
GENETICS 466	Principles of Genetics	3
GENETICS 468	General Genetics 2	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3

UPPER-LEVEL BREADTH IN THE MAJOR

Minimum of 13 credits required and must include one approved lab course. Approved lab courses are indicated by footnote. A course taken to meet the foundation requirement may not also count as an upper-level breadth course.

- Complete at least two credits from either category A or B.
- Complete at least two credits from either category C or D.
- Complete at least two credits from an unused category (A, B, C, D, or E).

A. Cellular and Subcellular Biology

Code	Title	Credits
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI 366	Concepts in Genomics	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
DERM 601	Skin Biology and Skin Diseases	3
DERM 602	Advances in Skin Biology and Skin Diseases	2
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS 588	Immunogenetics	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3
H ONCOL/ MED PHYS 410	Radiobiology	2-3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes [1]	3
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology [1]	2
PLANTSCI 340	Plant Genome Engineering and Editing	3
ZOOLOGY 370	General Molecular Biology	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 555	Laboratory in Developmental Biology [1]	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab [1]	2
ZOOLOGY 655	Modeling Neurodevelopmental Disease	3

B. Organismal Biology

Code	Title	Credits
AN SCI/DY SCI 373	Animal Physiology	3
AN SCI 377	Integrative Animal Physiology Laboratory [1]	1
AN SCI/DY SCI 434	Reproductive Physiology [1]	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin [1]	3
ANAT&PHY 335	Physiology [1]	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory [1]	2
ANAT&PHY 435	Fundamentals of Human Physiology [1]	5
ANTHRO/PSYCH/ ZOOLOGY 619	Biology of Mind	3
BIOCORE 486	Principles of Physiology Laboratory [1]	2
BOTANY 300	Plant Anatomy [1]	4
BOTANY 330	Algae [1]	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 500	Plant Physiology [1]	3-4
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
DY SCI 378	Lactation Physiology [1]	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology [1]	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
F&W ECOL 401	Physiological Animal Ecology	3
GENETICS 545	Genetics Laboratory [1]	2
GENETICS/ MD GENET 565	Human Genetics	3
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	3
KINES 314	Physiology of Exercise [1]	4
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory [1]	2
MICROBIO 526	Physiology of Microorganisms	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 431	Nutrition in the Life Span	3
NUTR SCI 631	Clinical Nutrition I	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH 404	Pathophysiologic Principles of Human Diseases	3
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
ZOOLOGY 303	Aquatic Invertebrate Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates [1]	5
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ZOOLOGY 620	Neuroethology Seminar	2

C. Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AN SCI 420	Microbiomes of Animal Systems	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab [1]	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
PL PATH 300	Introduction to Plant Pathology [1]	4
PL PATH 315	Plant Microbiomes [1]	4
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2

ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY 320	Field Marine Biology [1]	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2

D. Evolution and Systematics

Code	Title	Credits
ANTHRO 302	Hominoid Evolution	3
ANTHRO 304	Heredity, Environment and Human Populations	3
ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
ANTHRO 411	The Evolution of the Genus, Homo	3
ANTHRO 458	Primate Behavioral Ecology	3
ANTHRO 603	Seminar in Evolutionary Theory	3
BIOLOGY/ GENETICS 522	Communicating Evolutionary Biology	2-3
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 400	Plant Systematics [1]	4
BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY 422	Plant Geography	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects [1]	4
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
GENETICS 468	General Genetics 2	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe [1]	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PSYCH 449	Animal Behavior	3
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab [1]	2
ZOOLOGY 415	Genetics of Human History	3
ZOOLOGY 425	Behavioral Ecology	3

E. Applied Biology, Agriculture and Natural Resources

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
BIOCORE 587	Biological Interactions	3
BOTANY 403	Field Collections and Identification	1-4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases (4th credit meets lab requirement) [1]	3-4
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation [1]	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology [1]	4
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 458	Environmental Data Science	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 561	Wildlife Management Techniques [1]	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory [1]	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 548	The Genomic Revolution	3
M&ENVTOX/ ONCOLOGY/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
MED PHYS/ PHYSICS 265	Introduction to Medical Physics	2
MED PHYS 651	Methods for Neuroimaging Research	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO 357	General Bioinformatics for Microbiologists	3

NUTR SCI 332	Human Nutritional Needs	3
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PL PATH 517	Plant Disease Resistance	2-3
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

CAPSTONE REQUIREMENT

Code	Title	Credits
Two credits minimum required. With advisor approval, directed study or research-based senior thesis in a biological science discipline can also count. The experience must be completed after the first year of an introductory biology sequence above. The capstone experience will normally be completed during the student's final two or three semesters. Also, a subset of laboratory courses has been approved for capstone. The following courses, along with 682s and 692s in biological science departments (taken senior year), can be accepted as fulfilling the capstone experience.		
ANAT&PHY 435	Fundamentals of Human Physiology	5
BIOCORE 486	Principles of Physiology Laboratory [2]	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL 599	Wildlife Research Capstone (limited access)	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
PL PATH 315	Plant Microbiomes	4
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 612	Comparative Physiology Laboratory	2

BIOLOGY NAMED OPTION

Instead of completing the requirements above, students may choose to select the named option below.

View as listView as grid

- **BIOLOGY: EVOLUTIONARY BIOLOGY (P. 96)**

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

Honors in the Major in Biology: Requirements

To earn Honors in the Major in Biology, students must satisfy the requirements for the major (above) as well as the following requirements:

- Earn a 3.300 overall university GPA
- Complete a two-semester senior honors thesis for 6 credits total and present research in a public forum
- Complete at least 20 credits of honors coursework from the following sections of the Biology curriculum:
  - Introductory biology
  - Foundation courses
  - Upper-level breadth in the major
- At least 6 of the 20 credits of honors coursework must be from the upper-level breadth in the major requirement

FOOTNOTES

1 Course also approved for lab credit
2 To count BIOCORE 486 Principles of Physiology Laboratory for capstone, students must also complete BIOCORE 382 Evolution, Ecology, and Genetics Laboratory and BIOCORE 384 Cellular Biology Laboratory.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Know and understand core concepts that unify the breadth of biological sciences including: evolution; structure and function; information flow, exchange, and storage; pathways for transformations of energy and matter; and systems.
2. Demonstrate practical skills of a professional biologist including: problem#solving by engaging the process of science; written and verbal proficiency; laboratory skills; quantitative analysis skills; and teamwork skills.
3. Graduates will be able to engage and make broader connections to other scientific disciplines and society.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Four-year plans for the biology major are designed to support biological science major exploration. The four-year plan is a tool to assist you and your advisor in planning your academic career. Use it along with your DARS report and Course Search & Enroll. Your specific program of study could, and probably will, look different. You should customize your own four-year plan to fit your unique path at UW–Madison. Consult with your advisor about the best path for you.

SAMPLE BIOLOGY FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
Math Course[1]	3-5	Math or Statistics	3-4
Communication A or Breadth Courses	6	Communication A or Breadth Courses	5-7
First Year Seminar[2]	1		
	14-17		**13-16**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 344	2
Math or Statistics (if needed)	3-4	CHEM 345	3
Intro Biology Courses[3]	3-5	Intro Biology Courses[3]	3-5
Breadth Course	3	Breadth Courses	4-6
	12-15		**12-16**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 103 or 207	4-5	PHYSICS 104 or 208	4-5
Foundational or Biocore	3	Biocore or Upper-Level Breadth in the Major[4]	3-5
Elective Courses	5-8	Elective Courses	5-8
	12-16		**12-18**

Fourth Year

Fall	Credits	Spring	Credits
Upper-Level Breadth in the Major[4]	3-5	Upper-Level Breadth in the Major[4]	3-5
Capstone or Research Course	2-3	Capstone or Research Course	2-3
Elective Courses	7-10	Elective Courses	7-10
	12-18		**12-18**

Total Credits 99-134

1 Math determined by placement scores. Biology majors must complete MATH 171/MATH 217, MATH 211, or MATH 221 plus one additional math/stats course.
2 See CALS requirements (p. 46) for a list of approved first-year seminar courses.
3 Students may complete BIOLOGY/BOTANY/ZOOLOGY 151-BIOLOGY/BOTANY/ZOOLOGY 152 & a foundational course or BIOLOGY/ZOOLOGY 101-BIOLOGY/ZOOLOGY 102, BIOLOGY/BOTANY 130 & a foundational course or BIOCORE (three lectures and two labs required).
4 See requirements tab for upper-level breadth in the major course lists.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Your advisor is here to guide you through the Biology Major. We can address your questions and concerns, provide advice, help you create a four-year degree plan that meets your major and professional goals, and connect you to resources. It is important to remember that advising is about the process, and some questions do not have a quick and easy

answer. Your advisor will challenge you to self-reflect, to critically think about your goals and strategies, and to develop decision-making skills. For more information about what to expect during your advising appointment, visit UW Undergraduate Advising (https://advising.wisc.edu/soar/advising-101/).

In the Biology Major, students are assigned to an advisor according to last name. Please schedule an advising appointment here (http://biologymajor.wisc.edu/advising/).

CAREERS

The Biology Major encourages students to begin working on their career exploration and preparation soon after arriving on campus. We partner with the CALS Career Services office to help you leverage the academic skills learned in your major and liberal arts degree, explore and try out different career paths, participate in internships, prepare for the job search and/or graduate school applications, and network with professionals in the field (alumni and employers).

College of Agricultural and Life Sciences graduates are in high demand by employers and graduate programs. It is important to us that our students are career ready at the time of graduation, and we are committed to your success.

Career Resources:

- Schedule a Career Advising appointment (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/63821/schedule)
- Explore CALS Career Services for Students (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/students/)

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in biology, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- Many study abroad programs offer a plethora of excellent upper-level biological science courses. Students often complete courses abroad that meet major requirements while others use this opportunity to focus on non-science coursework and explore other topics that interest them. Students can explore studying abroad as a Biology major utilizing the Biology Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/biology/). Students work with their advisor and the CALS Study Abroad Office (https://cals.wisc.edu/academics/undergraduate/current-students/study-abroad/) to identify appropriate programs.
- Students are encouraged to get involved in research in any life science department. Research can be performed for either course credit or pay, depending on the opportunity. Research opportunities can be identified by inquiring directly (https://wiscience.wisc.edu/resources/undergrad-resources/) with faculty members, reading the Biology Major Newsletter (https://biologymajor.wisc.edu/newsletters/), or announcement on the Student Job Center (https://studentjobs.wisc.edu/).

BIOLOGY: EVOLUTIONARY BIOLOGY

The Evolutionary Biology Named Option allows biology majors to concentrate their studies in evolution and to have this reflected on their transcript. Since there is no evolutionary biology major available at UW–Madison, this is the only mechanism to indicate specialization in this rapidly growing and popular field. In taking this named option, students will be able to fulfill their intermediate/advanced biology requirement with courses that emphasize evolutionary biology, ranging from required courses in fundamental evolutionary biology to more advanced optional courses that cover a wide range of evolutionary biology topics. They will also take a seminar course in evolutionary biology.

Who should enroll in this option? Students with broad interest in the biological sciences who want to:

- Prepare for graduate study in evolutionary biology or related fields
- Prepare for professional studies (e.g. medical school, veterinary school, dentistry)
- Concentrate their biological studies in evolutionary biology

REQUIREMENTS

REQUIREMENTS FOR THE NAMED OPTION

A minimum of 15 credits must be completed in the major that are not used elsewhere. Students must complete a minimum of 31 credits of Biological Science courses within the Introductory Biology, Foundation Course, Upper-Level Breadth in the Major, Capstone, and Evolutionary Biology Seminar requirements. Unless specifically stated otherwise, courses may not be used to meet multiple requirements of the major.

CORE REQUIREMENTS

Mathematics and Statistics

Code	Title	Credits
Complete one of the following:		4-10
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
MATH 211	Survey of Calculus 1	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

Chemistry

Code	Title	Credits
General Chemistry (Complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Total Credits		**13-18**

Physics

Code	Title	Credits
First Semester Physics (Complete one of the following):		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
Second Semester Physics (complete one of the following):		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Total Credits		**8-10**

Introductory Biology

Code	Title	Credits
Complete one sequence:		10-13
Option A:		10
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option B:		13
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
Option C:		10
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	

Foundation Course (complete one of the following):

Students may use BIOCORE 381 and BIOCORE 383 toward both Introductory Biology and Foundation.

Code	Title	Credits
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6
GENETICS 466	Principles of Genetics	3
GENETICS 468	General Genetics 2	3

UPPER-LEVEL BREADTH IN THE MAJOR

Minimum of 13 credits required as follows and must include **one approved lab course.** (Approved lab courses are indicated by footnote.) A course taken to meet the Foundation requirement may not also count as Upper-Level Breadth in the Major.

- Complete the Evolutionary Biology course listed below.
- Complete at least two credits from either category A or B.
- Complete at least two credits from category C.
- Complete at least two credits from category D.
- Additional courses needed to reach 13 credits of Upper-Level Breadth in the Major may be taken from any category (A, B, C, D, E).

Required Evolutionary Biology Course

Code	Title	Credits
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	3

A. Cellular and Subcellular Biology

Code	Title	Credits
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI 366	Concepts in Genomics	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3

CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
DERM 601	Skin Biology and Skin Diseases	3
DERM 602	Advances in Skin Biology and Skin Diseases	2
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 588	Immunogenetics	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3
H ONCOL/ MED PHYS 410	Radiobiology	2-3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes [1]	3
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology [1]	2
PLANTSCI 340	Plant Genome Engineering and Editing	3
ZOOLOGY 370	General Molecular Biology	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 555	Laboratory in Developmental Biology [1]	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab [1]	2
ZOOLOGY 655	Modeling Neurodevelopmental Disease	3

B. Organismal Biology

Code	Title	Credits
AN SCI/DY SCI 373	Animal Physiology	3
AN SCI 377	Integrative Animal Physiology Laboratory [1]	1
AN SCI/DY SCI 434	Reproductive Physiology [1]	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin [1]	3
ANAT&PHY 335	Physiology [1]	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory	2
ANAT&PHY 435	Fundamentals of Human Physiology [1]	5
ANTHRO/PSYCH/ ZOOLOGY 619	Biology of Mind	3
BIOCORE 486	Principles of Physiology Laboratory [1]	2
BOTANY 300	Plant Anatomy [1]	4
BOTANY 330	Algae [1]	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 500	Plant Physiology [1]	3-4
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
DY SCI 378	Lactation Physiology [1]	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology [1]	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
F&W ECOL 401	Physiological Animal Ecology	3
GENETICS 545	Genetics Laboratory [1]	2
GENETICS/ MD GENET 565	Human Genetics	3
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	3
KINES 314	Physiology of Exercise [1]	4
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory [1]	2
MICROBIO 526	Physiology of Microorganisms	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 431	Nutrition in the Life Span	3
NUTR SCI 631	Clinical Nutrition I	3
ONCOLOGY 401	Introduction to Experimental Oncology	2

PATH 404	Pathophysiologic Principles of Human Diseases	3
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
ZOOLOGY 303	Aquatic Invertebrate Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates [1]	5
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ZOOLOGY 620	Neuroethology Seminar	2

C. Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AN SCI 420	Microbiomes of Animal Systems	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab [1]	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
PL PATH 300	Introduction to Plant Pathology [1]	4
PL PATH 315	Plant Microbiomes [1]	4
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY 320	Field Marine Biology [1]	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2

D. Evolution and Systematics

Code	Title	Credits
ANTHRO 302	Hominoid Evolution	3
ANTHRO 304	Heredity, Environment and Human Populations	3
ANTHRO 411	The Evolution of the Genus, Homo	3
ANTHRO 458	Primate Behavioral Ecology	3
ANTHRO 603	Seminar in Evolutionary Theory	3
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 400	Plant Systematics [1]	4
BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY 422	Plant Geography	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects [1]	4
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
GENETICS 468	General Genetics 2	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe [1]	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PSYCH 449	Animal Behavior	3-4
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab [1]	2
ZOOLOGY 415	Genetics of Human History	3
ZOOLOGY 425	Behavioral Ecology	3

E. Applied Biology, Agriculture and Natural Resources

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3

AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
BIOCORE 587	Biological Interactions	3
BOTANY 403	Field Collections and Identification	1-4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases (4th credit meets lab requirement) [1]	3-4
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation [1]	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology [1]	4
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 458	Environmental Data Science	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 561	Wildlife Management Techniques [1]	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory [1]	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 548	The Genomic Revolution	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MED PHYS/ PHYSICS 265	Introduction to Medical Physics	2
MED PHYS 651	Methods for Neuroimaging Research	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
NUTR SCI 332	Human Nutritional Needs	3
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	Toxicology I	3
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PL PATH 517	Plant Disease Resistance	2-3
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

EVOLUTIONARY BIOLOGY SEMINAR

Code	Title	Credits
BIOLOGY/ GENETICS 522	Communicating Evolutionary Biology	2-3

CAPSTONE REQUIREMENT

Code	Title	Credits
Two credits minimum required. With advisor approval, directed study or research-based senior thesis in a biological science discipline can also count. The experience must be completed after the first year of an introductory biology sequence above. The capstone experience will normally be completed during the student's final two or three semesters. Also, a subset of laboratory courses has been approved for capstone. The following courses, along with 682s and 692s in biological science departments (taken senior year), can be accepted as fulfilling the capstone experience.		
ANAT&PHY 435	Fundamentals of Human Physiology	5
BIOCORE 486	Principles of Physiology Laboratory [2]	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL 599	Wildlife Research Capstone (limited access)	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
PL PATH 315	Plant Microbiomes	4
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 612	Comparative Physiology Laboratory	2

FOOTNOTES

1 Course also approved for lab credit.
2 To count BIOCORE 486 Principles of Physiology Laboratory for capstone, students must also complete BIOCORE 382 Evolution, Ecology, and Genetics Laboratory and BIOCORE 384 Cellular Biology Laboratory.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE BIOLOGY FOUR-YEAR PLAN– EVOLUTIONARY BIOLOGY OPTION

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
Math Course[1]	3-5	Math or Statistics	3-4
Communication A or Breadth Courses	6	Communication A or Breadth Courses	6
First Year Seminar[2]	1		
	14-17		**14-15**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 345	3
Math or Statistics (if needed)	3-5	CHEM 344	2
Intro Biology Course[3]	5	Intro Biology Course[3]	5
Breadth Course	3	Breadth Courses	4-6
	14-16		**14-16**

Third Year

Fall	Credits	Spring	Credits
Physics Course	4-5	Physics Course	4-5
Foundational or Biocore	3-5	ANTHRO/BOTANY/ ZOOLOGY 410	3
Electives	5	BIOLOGY/ GENETICS 522	2-3
		Electives	5
	12-15		**14-16**

Fourth Year

Fall	Credits	Spring	Credits
Upper-Level Breadth in the Major[4]	5	Upper-Level Breadth in the Major[4]	5
Capstone or Research Course	2-3	Capstone or Research	2-3
Elective Courses	5-8	Elective Courses	5-8
	12-16		**12-16**

Total Credits 106-127

1 Math determined by placement scores. Students in the Evolutionary Biology Named Option must complete MATH 171/MATH 217, MATH 211, or MATH 221 plus STAT 240, STAT 301, or STAT 371.
2 See CALS requirements (p. 46) for a list of approved CALS first-year seminar courses.
3 Students may complete BIOLOGY/BOTANY/ZOOLOGY 151-BIOLOGY/BOTANY/ZOOLOGY 152 & a foundational course or BIOLOGY/ZOOLOGY 101-BIOLOGY/ZOOLOGY 102, BIOLOGY/BOTANY 130 & a foundational course or BIOCORE (three lectures and two labs required).
4 See requirements tab for upper-level breadth in the major course lists.

MICROBIOLOGY, BS (CALS)

The smallest living things — including bacteria, viruses, and yeast — may not be visible to the human eye, but they have big effects on health, food, medicine, energy, and the environment. These tiny organisms, called microbes, were the first life forms on Earth and continue to influence the planet in significant ways. Microbiomes — communities of microbes — are increasingly studied by researchers focusing on human health, global warming, infectious disease, environmental remediation, bioenergy, and much more.

The microbiology major prepares students for modern research in microbiology with a heavy emphasis on practical laboratory experiences. Students learn the cellular biology, genetics, ecology, evolution, and physiology of microbes. Through courses, students learn laboratory techniques – gaining the type of hands-on experiences with modern equipment that employers and graduate and professional schools seek. Additionally, students can conduct mentored and independent research projects in faculty laboratories where they will learn to critically evaluate scientific data, carry out laboratory experiments, and communicate scientific information.

Microbiology majors graduate prepared for careers in biotechnology, education, healthcare, information technology, and food safety. Many students pursue graduate and professional studies, including medical school, dental school, and biological sciences PhD programs.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

With so many microbiologists on the faculty, students have numerous opportunities to conduct research in faculty labs. As one of the largest research buildings on campus, students have access to state-of-the-art facilities and are able to conduct cutting-edge experiments using novel techniques that few other undergraduate programs allow. Through a senior-year capstone course, students conduct research under the direction of a professor or as part of class projects that have included culturing microbes from the gut of hibernating ground squirrels, comparing bacteria from the mouths of athletes and non-athletes, and culturing microbes found in deep sea vents. This kind of hands-on experience distinguishes microbiology majors from other graduates and enhances the real-world skills that are valued by post-secondary schools and employers.

BUILD COMMUNITY AND NETWORKS

Through the Microbiology Club, students establish study groups, explore careers, and teach others on campus and in the community about microbiology. Through events like cheese, yogurt, and kombucha making, the club offers opportunities for community-building both within the program and with the broader university community. This student organization is the official American Society of Microbiology undergraduate chapter for the UW–Madison and provides annual travel and research awards to outstanding students.

CUSTOMIZE A PATH OF STUDY

Core courses focus on the diversity, genetics, biochemistry, and physiology of microorganisms. A variety of elective courses provide the opportunity to study environmental microbiology, food microbiology, microbial pathogenesis, immunology, virology, microbiomes, microbial biotechnology, and public health, as well as advanced topics in microbial genetics and physiology. Students may also pursue honors in microbiology.

MAKE A STRONG START

All courses in the program, including entry-level courses, are taught by faculty who specialize in teaching microbiology.

GAIN GLOBAL PERSPECTIVE

Majors can also choose from a variety of study abroad programs including short-term field experiences, summer research opportunities, and semester-long exchange programs at top universities around the world. A study abroad program in Thailand specifically tailored for microbiology majors is frequently offered and led by microbiology faculty from UW–Madison. Students can explore studying abroad as a microbiology major by utilizing the Microbiology Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5

CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics		
Complete one of the following:		5-10
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Statistics		
Complete one of the following:		3
STAT 371	Introductory Applied Statistics for the Life Sciences (Recommended)	
STAT 301	Introduction to Statistical Methods	
STAT 240	Data Science Modeling I	
General Chemistry		
Complete one of the following:		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
Complete ALL of the following:		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Biology Foundation		
Complete one of the following:		10-13
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology [1]	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384 & BIOCORE 485	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory and Principles of Physiology [1]	
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	
Physics		
Select one of the following:		8-10
PHYSICS 103 & PHYSICS 104	General Physics and General Physics [2]	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics [2]	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
Biochemistry		
Complete one of the following:		3-6
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	
Microbiology Courses		
Microbiology Core:		
Complete all of the following courses (except where noted, all microbiology core courses are offered every fall and spring semester):		
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms (Spring only)	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology (Fall only)	2
Microbiology Capstone (required):		
MICROBIO 551	Capstone Research Project in Microbiology (Spring only)	2
Microbiology Electives		
Complete at least 6 credits; at least 3 credits must come from Set A. Note that not all elective courses are offered every semester.		
Set A:		3-6
MICROBIO/ FOOD SCI 324	Food Microbiology Laboratory	
MICROBIO/ FOOD SCI 325	Food Microbiology	
MICROBIO/ AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	
MICROBIO 345	Introduction to Disease Biology	
MICROBIO 357	General Bioinformatics for Microbiologists	
MICROBIO/SOIL SCI 425	Environmental Microbiology	

MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	
MICROBIO/SOIL SCI 523	Soil Microbiology and Biochemistry	
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe	
MICROBIO/ ONCOLOGY 545	Topics in Biotechnology (topics vary by semester)	
MICROBIO/ BIOCHEM/ GENETICS 612	Prokaryotic Molecular Biology	
MICROBIO 626	Microbial and Cellular Metabolomics	
MICROBIO 657	Bioinformatics for Microbiologists	
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	
Set B:		0-3
BIOCHEM/M M & I 575	Biology of Viruses	
BIOCHEM 601	Protein and Enzyme Structure and Function	
BOTANY 330	Algae	
BOTANY/PL PATH 332	Fungi	
BOTANY/ ENTOM/PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	
CHEM 665	Biophysical Chemistry	
COMP SCI/ B M I 576	Introduction to Bioinformatics	
F&W ECOL/SURG SCI 548	Diseases of Wildlife	
FOOD SCI 550	Fermented Foods and Beverages	
M M & I 301	Pathogenic Bacteriology	
M M & I 341	Immunology	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
M M & I 554	Emerging Infectious Diseases and Bioterrorism	
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	
PATH-BIO/ M M & I 528	Immunology	
PL PATH 622	Plant-Bacterial Interactions	
PL PATH/ BOTANY/ GENETICS/ M M & I 655	Biology and Genetics of Fungi	
Total Credits		**64-88**

[1] (BIOLOGY/BOTANY/ZOOLOGY 151 and BIOLOGY/BOTANY/ ZOOLOGY 152) or (BIOCORE 381 / BIOCORE 382 / BIOCORE 383 / BIOCORE 384 / BIOCORE 485) are recommended.

[2] (PHYSICS 103 / PHYSICS 104) or (PHYSICS 207 / PHYSICS 208) are recommended.

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

MICROBIOLOGY HONORS IN THE MAJOR REQUIREMENTS

To earn honors in the major in Microbiology, students must satisfy the requirements for the major (above) as well as the following requirements. All courses used for honors in the major requirements must receive "B" or better grades to fulfill requirements.

- Earn a 3.300 overall university GPA.
- Earn a 3.300 GPA for all MICROBIO courses, and all courses accepted in the major.
- Complete a two-semester senior honors thesis (MICROBIO 681 and MICROBIO 682) for 6 credits total and present research in a public forum. Students completing their senior honors theses in laboratories or departments outside of microbiology may be able to count that thesis toward honors in the major.
- Complete at least 20 credits from the following coursework:
  - 6 or more of the 20 credits must be courses taken for honors from the Core and Foundation Honors Coursework (p. 105) list. Courses completed from this list may count towards both major requirements and honors requirements.
  - Other courses taken for honors that fulfill requirements for the major (see major requirements above). Includes the following coursework: set A microbiology electives, set B microbiology

electives, BIOCORE 381, BIOCORE 382, BIOCORE 383, BIOCORE 384, BIOCORE 485, BIOLOGY/BOTANY/ZOOLOGY 151, BIOLOGY/BOTANY/ZOOLOGY 152. Independent study and thesis credits do not count to meet this honors requirement.

- Set A microbiology electives completed beyond the major requirements. See major requirements above for the list of set A microbiology electives. This coursework does not need to be taken for honors but cannot count towards both major requirements and honors requirements.
- Honors coursework in MATH (p. 105), CHEM (p. 105), PHYSICS (p. 105), or BIOCORE (p. 105) from the lists below.

Core and Foundation Honors Coursework

Code	Title	Credits
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology	2
MICROBIO 551	Capstone Research Project in Microbiology	2
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
PHYSICS 201	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 207	General Physics	5
PHYSICS 208	General Physics	5
STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3

Math

Code	Title	Credits
MATH 341	Linear Algebra	3
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	5
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	5
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3

Chemistry

Code	Title	Credits
CHEM 109	Advanced General Chemistry	5
CHEM 115	Chemical Principles I	5
CHEM 116	Chemical Principles II	5
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 329	Fundamentals of Analytical Science	4
CHEM 547	Advanced Organic Chemistry	3
CHEM 561	Physical Chemistry I	3
CHEM 563	Physical Chemistry Laboratory I	1
CHEM 562	Physical Chemistry II	3
CHEM 564	Physical Chemistry Laboratory II	1
CHEM 665	Biophysical Chemistry	3

Physics

Code	Title	Credits
PHYSICS 201	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 207	General Physics	5
PHYSICS 208	General Physics	5
PHYSICS 241	Introduction to Modern Physics	3
PHYSICS 247	A Modern Introduction to Physics	5
PHYSICS 248	A Modern Introduction to Physics	5
PHYSICS 249	A Modern Introduction to Physics	4

Biocore

Code	Title	Credits
BIOCORE 486	Principles of Physiology Laboratory	2
BIOCORE 587	Biological Interactions	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop a fundamental understanding of the principles of microbiology and the necessary skills for a professional career in microbiology

2. Apply the scientific method to questions. Formulate a hypothesis, gather data, and analyze that data to assess the degree to which their work supports the hypothesis.
3. Demonstrate proficiency in the techniques used in microbiology and an ability to critically analyze data and integrate ideas for problem solving
4. Access the primary and secondary literature and, in combination with their own findings, effectively communicate their ideas both orally and in written form.
5. Learn about and demonstrate personal and professional ethics.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests. Students must complete at least 120 total credits to be eligible for graduation.

Students planning to pursue graduate studies in a biological science are encouraged to take MATH 222, PHYSICS 201/ PHYSICS 202 or PHYSICS 207/PHYSICS 208, and BIOCHEM 507/BIOCHEM 508 (see footnote 7). Also recommended: CHEM 665 Biophysical Chemistry and MICROBIO/BIOCHEM/GENETICS 612 Prokaryotic Molecular Biology.

SAMPLE MICROBIOLOGY FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
General Chemistry[1]	4-5	Gen Chem or Electives[1]	5
Math[2]	3	Math[2]	3-5
COMM-A	3	Electives[3]	6
First-Year Seminar	1		
Elective[3]	3		
	14-15		**14-16**

Sophomore

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 344	2
Math[2]	3-5	CHEM 345	3
Intro Biology, Semester 1[4]	5	Intro Biology, Semester 2[4]	5
Elective[3]	3	Electives[3]	6
	14-16		**16**

Junior

Fall	Credits	Spring	Credits
General Physics, Semester 1[5]	4-5	General Physics, Semester 2[5]	4-5
MICROBIO 303	3	MICROBIO 470	3
MICROBIO 304	2	BIOCHEM 501[7]	3
MICROBIO 305	1	Research[6]	1-4
Research[6]	1-4	Electives (for major or other)[3]	0-4
Electives (to reach 15 crs)[3]	0-4		
	11-19		**11-19**

Senior

Fall	Credits	Spring	Credits
MICROBIO 526	3	MICROBIO 450	3
MICROBIO 527	2	MICROBIO 551	2
Research[6]	1-4	Research[6]	1-4
Electives (for major or other)[3]	6-9	Electives (for major or other)[3]	7-10
	12-18		**13-19**

Total Credits 105-138

1. Choose 1 of 3 sequences:(CHEM 103/CHEM 104) or CHEM 109 or (CHEM 115/CHEM 116). Students who take CHEM 109 and plan to attend medical or other professional schools are advised to take one additional inorganic course (CHEM 311 or CHEM 327).
2. Math course determined by placement scores. Microbiology majors must complete math through calculus (choose from MATH 171/MATH 217 or MATH 221), and statistics (choose from STAT 301, STAT 371, or STAT 240).
3. Electives can be scheduled according to the student's preference. Consult your advisor and the requirements tab.
4. The three choices are 1) ZOOLOGY/BIOLOGY/BOTANY 151 and ZOOLOGY/BIOLOGY/BOTANY 152; 2) ZOOLOGY/BIOLOGY 101, ZOOLOGY/BIOLOGY 102 and BOTANY/BIOLOGY 130; or 3) Biocore. Biocore is a 3 to 4 semester sequence. Students must complete the first three lectures and the first two labs. The Biocore courses are BIOCORE 381, BIOCORE 382, BIOCORE 383, BIOCORE 384, BIOCORE 485, BIOCORE 486, BIOCORE 587.
5. Physics may be taken in year 1, 2, 3, or 4 depending on the student's schedule.
6. Undergraduate research courses include MICROBIO 299, MICROBIO 699, MICROBIO 681, MICROBIO 682 (honors thesis), MICROBIO 691, MICROBIO 692 (thesis). Both semesters are required for thesis credit. Students are encouraged to take several semesters of research (internship opportunities, MICROBIO 399, are also encouraged).
7. If BIOCHEM 507 General Biochemistry I and BIOCHEM 508 General Biochemistry II are taken, both semesters must be completed (with the recommendation of BIOCHEM 507 in fall semester of year 3 and BIOCHEM 508 in spring semester of year 3).

THREE-YEAR PLAN

THREE-YEAR PLAN

This sample three-year plan is a tool to assist students and their advisor(s). Students should use it - along with their DARS report, the Degree Planner, and Course Search & Enroll tools - to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an academic advisor early and often to discuss feasibility, appropriate course

sequencing, post-graduation plans (careers, graduate school, etc.), and considerations they might make in pursuit of a three-year graduation plan.

While there are many advantages to attending four years of college, including making the most of research and study abroad opportunities, exploring alternative majors, completing additional majors and certificates, developing skills and interests through student groups, and personal growth, students may have reasons for wishing to graduate in fewer than four years.

The example plan assumes that students will:

- enter their first year with 20 advanced standing credits, including equivalency credit for MATH 221
- declare their major first year
- take two summer terms
- enroll in at least 15-16 credits in the fall/spring semesters

SAMPLE MICROBIOLOGY THREE-YEAR PLAN

Code	Title	Credits
Courses taken the summer before arriving on campus		
INTER-AG 140	CALS QuickStart: Foundations	1
INTER-AG 141	QuickStart: Connect2Campus	1
Total Credits:		*2*

First Year

Fall	Credits	Spring	Credits	Summer	Credits
CHEM 103	4	CHEM 104	5	MICROBIO 303	3
Comm A Requirement	3	BIOLOGY/ BOTANY/ ZOOLOGY 151	5	MICROBIO 304	2
STAT 371 or 301	3	Elective	3		
Humanities breadth	3	Humanities breadth	3		
Social Science breadth	3				
	16		**16**		**5**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 345	3
BIOLOGY/ BOTANY/ ZOOLOGY 152	5	CHEM 344	2
MICROBIO 470	3	BIOCHEM 501	3
International Studies CALS requirement	3	MICROBIO 305	1
Elective	2	Elective[2]	3
		Ethnic Studies	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
MICROBIO 527	2	MICROBIO 551	2
MICROBIO 526	3	PHYSICS 104 or 208	4-5
PHYSICS 103 or 207	4-5	MICROBIO 450	3
Major Elective	3	Major Elective	3
Elective[2]	3	Elective[2]	3
	15-16		**15-16**

Total Credits 98-100

Students must earn **120 total credits** to graduate, including accepted advanced standing or transfer credits. The above charts reflect 100-102 total credits from six fall/spring semesters and two summer terms, including courses taken in the summer before the first year.

1 The Microbiology major recommends INTER-AG 140 CALS QuickStart: Foundations or INTER-AG 141 QuickStart: Connect2Campus for the first-year seminar requirement. However, this requirement can be fulfilled through courses offered in Fall and Spring semester of the first year.

2 The Microbiology major encourages students with an interest in research to work with faculty through independent research courses as electives.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student is assigned a professional academic advisor who works to understand student goals and helps to craft a path that best suits their needs. Additionally, faculty provide students with ongoing professional and scientific mentorship. More than 60% of students in the major conduct faculty-directed research. With low ratios of students to faculty, students also receive additional faculty mentoring in the classroom.

Current UW–Madison students should use Starfish to schedule an appointment with an advisor in the Biochemistry & Microbiology Undergraduate Advising Hub (https://biochemmicrobio.wisc.edu/).

CAREER OPPORTUNITIES

Alumni hold professional positions as physicians, research scientists, public health officials, dentists, optometrists, physician assistants, physical therapists, master brewers, quality control officers, health inspectors, professors, and more.

Graduates are recognized for their skills in laboratory research and scientific communication, skills that are valued by potential employers and professional schools.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

A RICH HISTORY OF MICROBIOLOGY

UW-Madison is recognized as one of the birthplaces of Microbiology, as recognized by the American Society for Microbiology's *Milestones in Microbiology*. UW–Madison is the first school to teach microbiology in the U.S., and it is consistently ranked as one of the top public schools in the field.

RESEARCH EXPERIENCE

The majority of microbiology majors conduct research in a faculty-led research lab where they receive direct mentorship from professors, scientists, and graduate students. Because UW–Madison has the highest concentration of microbiologists on any U.S. campus, students have many research options.

STUDENT ORGANIZATION

The Microbiology Club (https://bs.microbiology.wisc.edu/student-experience/microbiology-club/) is the undergraduate-led student chapter of the American Society of Microbiology.

GLOBAL ENGAGEMENT

Microbiology majors can participate in several international academic experiences including short-term field experiences, summer research opportunities, and semester-long exchange programs at top universities around the world. The UW Microbiology and Public Health in Northern Thailand program occurs during the summer.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Our students engage in numerous volunteer activities spearheaded by the Microbiology Club. This involves explaining microbiology and its impact during public educational events at UW–Madison. Many students also volunteer at local public schools to teach microbiology to elementary-aged students.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships at https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/.

The Department of Bacteriology offers several scholarships to students in the microbiology major. Awards are given annually and fund undergraduate research, provide travel stipends to microbiology students attending professional scientific conferences, or recognize outstanding graduating seniors. Learn more at https://bs.microbiology.wisc.edu/awards-and-scholarships/.

BIOCHEMISTRY

Biochemistry is a very broad science that studies the molecules and chemistry of life. Biochemistry focuses on the structure, properties, and interactions of molecules such as proteins, nucleic acids, sugars and lipids. Biochemistry's aim is to understand how these molecules participate in the processes that support the various functions of the living cell. These studies are therefore essential for understanding disease and finding cures, for improving agriculture and the production of food and biofuels, and to produce innovation in biotechnology.

Whereas other biological science majors may focus on cellular, organismal or population level biology, biochemistry focuses on processes that occur at the molecular to cellular levels. Therefore, this major has a greater focus on basic and quantitative sciences, such as math and, particularly, on chemistry.

Biochemistry graduates go on to a variety of careers in science and science-related fields. The major is designed to fit the needs of the student who wishes to achieve bachelor's-level training as well as those planning to pursue graduate or professional study. The degree serves as an excellent background for medical school or veterinary school admission, as well as for graduate study in biochemistry or other allied fields (biology, bacteriology, genetics, molecular biology, or oncology).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Biochemistry, BS (CALS) (p. 108)

BIOCHEMISTRY, BS (CALS)

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Biochemistry graduates go on to a variety of careers in science and science-related fields. The major is designed to fit the needs of the student who wishes to achieve bachelor's-level training as well as those planning to pursue graduate or professional study. The degree serves as an excellent background for medical school or veterinary school admission, as well as for graduate study in biochemistry or other allied fields (biology, bacteriology, genetics, molecular biology, or oncology).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.

Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students who intend to major in Biochemistry may not combine this major ("double major") with the Molecular and Cell Biology major.

The Biochemistry major is offered through either the College of Agricultural and Life Sciences (CALS) or the College of Letters & Science (L&S). Students interested in the differences or transferring between CALS and L&S should meet with the advisor to discuss this in more detail.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

REQUIREMENTS FOR THE MAJOR

MATHEMATICS

Mathematics Requirements

Code	Title	Credits
Complete one of the following options:		
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	9
MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	14

CHEMISTRY

General Chemistry

Code	Title	Credits
Complete one of the following options:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II (satisfies both general and analytical chemistry requirements)	10

Organic Chemistry

Code	Title	Credits
Complete ALL of the following courses:		
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CHEM 344	Introductory Organic Chemistry Laboratory	2

Analytical Chemistry

Code	Title	Credits
Complete one of the following options:		
CHEM 327	Fundamentals of Analytical Science	4
CHEM 329	Fundamentals of Analytical Science	4
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II (satisfies both general and analytical chemistry requirements)	10

Physical Chemistry

Code	Title	Credits
Complete one:		
CHEM 665	Biophysical Chemistry (Recommended)	3
CHEM 561	Physical Chemistry I	3

BIOLOGY

Students must complete either Option A (introductory + upper-level biology), or Option B (biocore), for 16 total credits of biological science coursework.

Option A (Introductory and Upper-Level Biology)

Option A Introductory Biology

Code	Title	Credits
Complete one of the following introductory biology options:		
BIOLOGY/BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology (recommended)	10
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	10

And Option A Upper-Level Biology

At least 6 credits of upper-level biological science coursework are required (to achieve 16 total credits—more than 6 credits may be required if introductory biology totals less than 10 credits due to transfer credits). Select from the course list below. To see courses offered in specific upcoming semesters, please see the biochemistry website (https://biochem.wisc.edu/undergraduate_program/advanced-biology-courses-undergraduate-program/).

Important: A course may not double count in both the "upper-level biology" and the "biochemistry" requirements for the major. Biochemistry courses on this list can count only for "upper-level biology" if they are above-and-beyond what is needed to fulfill the "biochemistry" portion of the major. For example, if students have taken BIOCHEM 501, they will need one advanced biochemistry elective to fulfill the biochemistry requirement, and then any additional biochemistry courses taken can count for upper-level biology.

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AGROECOL 377	Global Food Production and Health	3
ANAT&PHY 335	Physiology	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 435	Fundamentals of Human Physiology	5
AN SCI/ FOOD SCI 305	Introduction to Meat Science and Technology	4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI 314	Poultry Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
AN SCI/DY SCI 414	Ruminant Nutrition & Metabolism	3
AN SCI 415	Application of Monogastric Nutrition Principles	2
AN SCI 431	Beef Cattle Production	3
AN SCI 432	Swine Production	3
AN SCI/DY SCI 434	Reproductive Physiology	3
AN SCI 503	Avian Physiology	3
AN SCI 508	Poultry Products Technology	3
AN SCI 511	Breeder Flock and Hatchery Management	3
AN SCI 512	Management for Avian Health	3
AN SCI/ FOOD SCI 515	Commercial Meat Processing	2

AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	3
AN SCI 610	Quantitative Genetics	3
AN SCI/ NUTR SCI 626	Experimental Diet Design	1
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology	3
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	3
BSE 349	Quantitative Techniques for Biological Systems	3
BSE 364	Engineering Properties of Food and Biological Materials	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
BSE 461	Food and Bioprocessing Operations	3
BSE 472	Sediment and Bio-Nutrient Engineering and Management	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
B M I/STAT 541	Introduction to Biostatistics	3
B M I/ COMP SCI 576	Introduction to Bioinformatics	3
BOTANY 300	Plant Anatomy	4
BOTANY 305	Plant Morphology and Evolution	4
BOTANY 330	Algae	3
BOTANY/ PL PATH 332	Fungi	4
BOTANY 400	Plant Systematics	4
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
BOTANY 422	Plant Geography	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
BOTANY 500	Plant Physiology	3-4
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
BOTANY/ GENETICS/M M & I/ PL PATH 655	Biology and Genetics of Fungi	3
CHEM 575	Advanced Topics in Chemistry (Topics in Chemical Biology)	1-4
CRB 625	Stem Cell Seminar	1
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB 675	Topics in Cell and Regenerative Biology	1-3
DY SCI 378	Lactation Physiology	3
DY SCI 535	Dairy Farm Management Practicum	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects	4
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects	4
ENTOM/ ZOOLOGY 540	Theoretical Ecology	3
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3

ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
ENVIR ST/ ATM OCN 520	Bioclimatology	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
FOOD SCI 410	Food Chemistry	3
FOOD SCI 440	Principles of Food Engineering	3
FOOD SCI 511	Chemistry and Technology of Dairy Products	3
FOOD SCI 514	Integrated Food Functionality	4
FOOD SCI 550	Fermented Foods and Beverages	2
FOOD SCI 611	Chemistry and Technology of Dairy Products	3
F&W ECOL 300	Forest Measurements	4
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
F&W ECOL 318	Principles of Wildlife Ecology	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 379	Principles of Wildlife Management	3
F&W ECOL 401	Physiological Animal Ecology	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 561	Wildlife Management Techniques	3
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL 590	Integrated Resource Management	3
F&W ECOL 655	Animal Population Dynamics	3
GEN&WS 533	Special Topics in Gender and Biology	3
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 468	General Genetics 2	3
GENETICS 525	Epigenetics	3
GENETICS 545	Genetics Laboratory	2
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 566	Advanced Genetics	3
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
M M & I/PATH-BIO 528	Immunology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MED PHYS/ H ONCOL 410	Radiobiology	2-3
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry	3
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology	2
MICROBIO 551	Capstone Research Project in Microbiology	2
MICROBIO 626	Microbial and Cellular Metabolomics	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
NUTR SCI 379	Introduction to Epidemiology	3
NUTR SCI 431	Nutrition in the Life Span	3
ONCOLOGY 401	Introduction to Experimental Oncology	2

ONCOLOGY/ M&ENVTOX/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
PHM SCI 310	Drugs and Their Actions	2
PHM SCI/B M E 430	Biological Interactions with Materials	3
PL PATH 300	Introduction to Plant Pathology	4
PL PATH 517	Plant Disease Resistance	2-3
PL PATH 559	Diseases of Economic Plants	3
PL PATH 602	Ecology, Epidemiology and Control of Plant Diseases	3
PL PATH 622	Plant-Bacterial Interactions	2-3
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 320	Environment of Cultivated Plants	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 612	Neuropharmacology	3
SOIL SCI 323	Soil Biology	3
SOIL SCI 326	Plant Nutrition Management	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab	2
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 425	Behavioral Ecology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab	2
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology	3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory	2
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind	3

Option B (Biocore)

Biocore is an honors-level, integrated sequence of lecture and lab courses that covers introductory and intermediate biology topics. Students must apply and be accepted to the program to take BIOCORE classes.

Code	Title	Credits
Complete these lecture courses:		
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 383	Cellular Biology	3
BIOCORE 485	Principles of Physiology	3
BIOCORE 587	Biological Interactions	3
Complete two of these lab classes:		4
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Total Credits		**16**

PHYSICS (CALCULUS-BASED)

Physics Requirements

Code	Title	Credits
Complete one of the following options: [1]		
PHYSICS 207 & PHYSICS 208	General Physics and General Physics (recommended)	10
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	10

[1] Students should consult with their advisor if they have credit for PHYSICS 103 and PHYSICS 104 to discuss options.

BIOCHE MISTRY

One set of introductory coursework and the capstone course are required, for a total of three BIOCHEM courses.

Introductory Courses

Code	Title	Credits
Complete one of the following options:		
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II (recommended)	6
OR		
BIOCHEM 501	Introduction to Biochemistry	3
AND one of the following advanced biochemistry electives:		

BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology
BIOCHEM/ M M & I 575	Biology of Viruses
BIOCHEM 601	Protein and Enzyme Structure and Function
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology
BIOCHEM/ BOTANY 621	Plant Biochemistry
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals
BIOCHEM/ GENETICS 631	Plant Genetics and Development
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease

Capstone Course (required)

Code	Title	Credits
BIOCHEM 551	Biochemical Methods	4

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

HONORS IN THE MAJOR IN BIOCHEMISTRY: REQUIREMENTS

To earn honors in the major in biochemistry, students must satisfy the requirements for the major (above) as well as the following requirements. All courses used for honors in the major requirements must receive "B" or better grades to fulfill requirements.

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all BIOCHEM courses, and all courses accepted in the major
- Complete BIOCHEM 507 and BIOCHEM 508 for Honors
- Complete a two-semester Senior Honors Thesis for 6 credits total, present research in a public forum and submit documentation to CALS Academic Affairs.
- Complete at least 14 credits of any combination of the following coursework:
  - Honors courses that would fulfill the biological science requirement in the major (see above)
  - Statistics coursework (does not need to be taken for honors): STAT 301, STAT 371, or STAT/B M I 541
  - Biochemistry elective coursework beyond the major requirements (does not need to be taken for Honors): NUTR SCI/ BIOCHEM 510, BIOCHEM/NUTR SCI 560, M M & I/ BIOCHEM 575, BIOCHEM 601, MATH/B M I/BIOCHEM/ BMOLCHEM 609, MICROBIO/BIOCHEM/GENETICS 612, MD GENET/BIOCHEM/GENETICS 620, BOTANY/ BIOCHEM 621, BIOCHEM 625, BIOCHEM/GENETICS 631, BIOCHEM/NUTR SCI 645
  - Honors coursework in MATH, CHEM, or PHYSICS from the list below:

Math

Code	Title	Credits
MATH 341	Linear Algebra	3
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	5
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	5
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3

Chemistry

Code	Title	Credits
CHEM 109	Advanced General Chemistry	5
CHEM 115	Chemical Principles I	5
CHEM 116	Chemical Principles II	5
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 329	Fundamentals of Analytical Science	4

CHEM 547	Advanced Organic Chemistry	3
CHEM 561	Physical Chemistry I	3
CHEM 563	Physical Chemistry Laboratory I	1
CHEM 562	Physical Chemistry II	3
CHEM 564	Physical Chemistry Laboratory II	1
CHEM 665	Biophysical Chemistry	3

Physics

Code	Title	Credits
PHYSICS 201	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 207	General Physics	5
PHYSICS 208	General Physics	5
PHYSICS 241	Introduction to Modern Physics	3
PHYSICS 247	A Modern Introduction to Physics	5
PHYSICS 248	A Modern Introduction to Physics	5
PHYSICS 249	A Modern Introduction to Physics	4

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify the fundamental biochemical principles that underlie all biological processes.
2. Communicate biochemical knowledge in both written reports and oral presentations to scientists and non-scientists.
3. Evaluate how biochemistry relates to other scientific disciplines and to contemporary issues in our society.
4. Demonstrate professional and ethical responsibility in scientific research.
5. Design and conduct quantitative experiments and/or interpret data to address a scientific question.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE BIOCHEMISTRY FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104 (if needed)	5
MATH 221	5	MATH 222	4
Communications Part A	3	BIOCHEM 207 (Recommended elective)	2
BIOCHEM 100	1	Humanities Course	3
	13-14		**14**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 344	2
ZOOLOGY/BIOLOGY/ BOTANY 151 (or BIOCORE 381 & BIOCORE 382)[2]	5	CHEM 345	3
Humanities Course	3	ZOOLOGY/BIOLOGY/ BOTANY 152 (or BIOCORE 383 & BIOCORE 384)	5
Social Science Course	3	Ethnic Studies Course	3
		Elective	1-3
	14		**14-16**

Third Year

Fall	Credits	Spring	Credits
BIOCHEM 507[3]	3	BIOCHEM 508	3
PHYSICS 207 or 201	5	PHYSICS 208 or 202	5
Upper-Level Biology for major (or BIOCORE 485 & BIOCORE 487 if needed)		Upper-Level Biology for major (or BIOCORE 587)	
CALS International Studies Course	3	CHEM 327	4
Electives	3	Elective	3
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
CHEM 665 or BIOCHEM 551	3-4	BIOCHEM 551 or CHEM 665	3-4
BIOCHEM 691 or 681 (if needed)[4]	2-3	BIOCHEM 692 or 682 (if needed)	2-3
Electives or Remaining Requirements	10	Electives or Remaining Requirements	10
	15-17		**15-17**

Total Credits 114-121

[1] First-year students interested in exploring the major can enroll in INTER-AG 155 or BIOCHEM 100.

[2] BIOCORE sequence requires four lecture courses plus two lab courses. Student may also take ZOOLOGY/BIOLOGY/BOTANY 151 and ZOOLOGY/BIOLOGY/BOTANY 152 plus 6 credits of upper-level biology instead of BIOCORE.

[3] Students must take either: (1) both BIOCHEM 507 and BIOCHEM 508 or (2) BIOCHEM 501 and one additional course in biochemistry from the 500/600-level electives.

[4] Senior thesis, independent study or work experience in laboratory are recommended, but are not required. However, a senior honors thesis is required to earn honors in the major.

ADVISING AND CAREERS

ADVISING AND CAREERS

HOW TO SEEK ADVISING

- To schedule an appointment with the advisor, use Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).
- Send an email with brief questions to the undergraduate advising email address listed in the Contact Information box.
- Drop-in advising hours for quick (10–15 minute) questions, on a first-come, first-served basis, are posted on the Biochemistry / Microbiology Undergraduate Advising Hub website (https://biochemmicrobio.wisc.edu/) each semester.

CAREER EXAMPLES

- Take your skills to a rewarding career in product development, quality control, hospitals, biotechnology, university labs, pharmaceuticals, forensics, and more. Possibilities at top organizations and leading companies include positions such as protein purification scientist, lab manager, medical scribe, clinical research coordinator, and food safety and quality chemist.
- Pursue a professional degree in medical, dental, or veterinary school, using your background in biochemistry to aid your admission and success.
- Build on your research experience and continue graduate studies in biochemistry or a related field to shape a career in academia as a professor or in industry.
- Use your science background to inform patent law, science policy and ethics, sales and marketing for science and technology companies, scientific article publishing, and related fields.

CALS CAREER RESOURCES

CALS Career Services (https://cals.wisc.edu/academics/undergraduate-students/career-services/) provides expertise to support students and alumni of the college as they explore, experience, and achieve their career goals. In short, CALS Career Services helps students in the College of Agriculture and Life Sciences discover themselves, find opportunities, and develop the skills they need for success after graduation.

CALS Career Services can also assist students in career advising, résumé and cover letter writing, networking opportunities, and interview skills, as well as assisting undergraduates to begin their career exploration early in their undergraduate career.

Students should set up their profiles in Handshake (https://wisc.joinhandshake.com/login/) to take care of everything they need to explore career events, manage their campus interviews, and apply to jobs and internships from 200,000+ employers around the country.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in biochemistry, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- The American Society for Biochemistry and Molecular Biology (ASBMB) UW–Madison Student Chapter (https://win.wisc.edu/organization/ASBMB/) is a student organization for students interested in biochemistry. ASBMB provides information about careers and job opportunities, how to get involved in research, and volunteer and outreach opportunities.
- Several biochemistry faculty members offer experiential study abroad programs, where students can immerse themselves in research or global health field experiences. Students can review the Biochemistry Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/biochemistry/) on the International Academic Programs website for information on these and other programs, as well as requirements that can typically be fulfilled abroad and things to consider when fitting study abroad into an academic plan.
- Students are encouraged to get involved in research, whether in the biochemistry department or through other life science or chemistry-related departments. Research can be performed for either course credit or pay, depending on the opportunity. The Biochemistry website (https://biochem.wisc.edu/academics/undergraduate-major-programs/) and the advisors can provide more information on finding research opportunities. Summer funding awards for research are available through the department.

BIOLOGICAL SYSTEMS ENGINEERING

Biological systems engineering (BSE), an accredited engineering program in the College of Agricultural and Life Sciences, applies engineering principles to natural systems and machinery design that impact production of food, water, energy, and more. Uniquely positioned at the intersection of engineering and sustainability with multiple flexible study options to match a wide range of interests, students can follow defined tracks in natural resources and environmental engineering, food or bioprocess engineering, machinery systems engineering, or customize their classes using the general option.

Students benefit from a low student to faculty ratio and individualized advising that fosters teamwork. They have access to all resources for UW–Madison students in the College of Engineering, plus those available to students in the College of Agricultural and Life Sciences. Admission is not competitive, meaning all students who meet the criteria are admitted. The program provides a broad education in physical sciences and engineering, but also teaching skills in fabrication, electronics, design, product development, and management.

The BSE program, like all undergraduate engineering programs on the UW–Madison campus, is accredited by ABET (http://www.abet.org) (Accreditation Board for Engineering and Technology) and prepares students for licensure as a professional engineer. Students who graduate from the program are well prepared for research and engineering

careers in industry or government, or to continue their studies in graduate school.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

BSE offers hands-on courses and experiences. First-year and senior-level design courses challenge students to develop solutions, build and test prototypes, and analyze results. Students integrate practical work experience through co-operative education (co-op) programs where students earn full-time salaries while working for a firm or through for-credit internships (paid or unpaid).

BUILD COMMUNITY AND NETWORKS

The program fosters community building through advising, coursework, and outside activities. Students can join the UW–Madison student chapter of the professional American Society of Agricultural and Biological Engineers (ASABE) to meet professionals, tour companies, explore career paths, and participate in national design competitions. Additionally, the department hosts student events, such as our fall mixer or Thanksgiving meal, to allow students to get to know each other and the faculty.

CUSTOMIZE A PATH OF STUDY

All majors take core engineering courses, then specialize in areas including machinery systems, natural resources and engineering, food engineering, or bioprocessing. Students can also develop their own customized focus areas. Many students also complete certificates in sustainability or renewable energy.

MAKE A STRONG START

An introductory engineering design course allows students to make personal connections with peers and learn fabrication skills on various industry machines in the BSE shop. In all courses, instructors offer homework help sessions to support students and encourage the formation of study groups.

GAIN A GLOBAL PERSPECTIVE

Students can choose from study abroad options, including courses taught in English, offered through the College of Agricultural and Life Sciences, the College of Engineering, or campus-wide opportunities. Recent students have traveled to China, France, Costa Rica, Africa, and more. Programs occur over full semesters or during summer and winter breaks. International internships, many with summer options, offer additional opportunities to gain global experience.

DEGREES/MAJORS/CERTIFICATES

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- Biological Systems Engineering, BS (p. 117)

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HOW TO GET IN

HOW TO GET IN

CURRENT UW-MADISON STUDENTS

Entry to this professional program requires students to meet the five admission requirements detailed below. Students are admitted as pre-Biological Systems Engineering until they meet the admission criteria listed below. **Admission eligibility must be confirmed by the department.**

1. Must complete a minimum of 24 degree credits.
2. Must complete a minimum of 17 graded credits of calculus, statistics, chemistry, statics, and physics courses required for a BSE degree.
3. Must have a math and science grade point average (M&SGPA) of at least 2.65 with a minimum grade of C in every course used to calculate the M&SGPA. The M&SGPA is based on:
   a. MATH (https://guide.wisc.edu/courses/math/) courses numbered 217 and above (MATH 228 is excluded)
   b. STAT (https://guide.wisc.edu/courses/stat/) courses numbered 324 and above
   c. CHEM (https://guide.wisc.edu/courses/chem/) courses (all)
   d. PHYSICS (https://guide.wisc.edu/courses/physics/) courses numbered 201 and above
   e. E M A 201
   f. BSE 380
4. For any course that a student repeats, only the most recent grade will be used in the M&SGPA calculation. Any transfer course from another university that is included in the previous list must be included in the GPA calculation.
5. Must be in good academic standing—i.e., not on academic probation or dropped status.
6. Must successfully complete introductory chemistry (CHEM 103 & CHEM 104, or CHEM 109, or equivalent) and math through MATH 222.

Students must meet the admissions criteria listed above before they receive admission to the Biological Systems Engineering professional degree program. Students with fewer than 30 credits at the time they declare the pre-BSE major must achieve full admission to the professional program within three regular semesters from the time of pre-BSE major declaration. Students with 30 or more credits at the time they declare the pre-BSE major must achieve full admission within two regular semesters of transferring into the program. Students who do not meet full admission criteria according to these time limits will not be allowed to continue in the pre-BSE program.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select Biological Systems Engineering as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare pre-Biological Systems Engineering at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and

Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		
Capstone		5
Total Credits		**101**

NAMED OPTIONS WITHIN THE MAJOR

Students may complete the Biological Systems Engineering General Program or select a Named Option. The course requirements on this page represent the general program. Students are encouraged to consider one of the Named Options (Food and Bioprocess Engineering; Machinery Systems Engineering; or Natural Resources and Environmental Engineering). Links to learn more about these options, including the course requirements, are included below.

View as listView as grid

- **BIOLOGICAL SYSTEMS ENGINEERING: FOOD AND BIOPROCESS ENGINEERING (P. 123)**
- **BIOLOGICAL SYSTEMS ENGINEERING: MACHINERY SYSTEMS ENGINEERING (P. 125)**
- **BIOLOGICAL SYSTEMS ENGINEERING: NATURAL RESOURCES AND ENVIRONMENTAL ENGINEERING (P. 127)**

MAJOR REQUIREMENTS

Code	Title	Credits
Major Requirements		
Common Requirements		53
General Program Classes and Technical Electives		43

COMMON REQUIREMENTS

The Biological Systems Engineering program requires completion of a minimum of 125 credits to be eligible for graduation. Note that this is higher than the minimum for other CALS programs.

Code	Title	Credits
Mathematics and Statistics		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 319	Techniques in Ordinary Differential Equations	3
or MATH 320	Linear Algebra and Differential Equations	
STAT 324	Introduction to Statistics for Science and Engineering	3
Chemistry		
Complete one of the following:		5-9
CHEM 109	Advanced General Chemistry (Recommended)	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II [1]	
Biology		
BSE 349	Quantitative Techniques for Biological Systems	3
Complete one additional Biological Science Breadth Course; the following courses are preferred choices: [2]		2-5
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
ZOOLOGY 153	Introductory Biology	
BIOLOGY/ BOTANY 130	General Botany	
BIOLOGY/ ZOOLOGY 101	Animal Biology	
AN SCI/ DY SCI 101	Introduction to Animal Sciences [2]	
MICROBIO 101	General Microbiology [3]	
MICROBIO 303	Biology of Microorganisms [3]	
PLANTSCI 110	Introduction to Plant Science and Technology [2]	
Physics		
E M A 201	Statics [4]	3
PHYSICS 202	General Physics	5
Foundation		
BSE 270	Introduction to Computer Aided Design	3
BSE 380	Introductory Data Science for the Agricultural and Life Sciences	3
BSE 310	Project Economics & Decision Analysis (preferred)	3
or I SY E 313	Engineering Economic Analysis	

Core		
BSE 249	Engineering Principles for Biological Systems [5]	3
or CBE 250	Process Synthesis	
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE 308	Career Management for Engineers	1
Total Credits		**53-60**

1 Taking the combination of CHEM 103 and CHEM 104 instead of CHEM 109 may increase the total minimum number of credits required to complete the program.

2 Machinery Systems students may select AN SCI/DY SCI 101 or PLANTSCI 110 to also satisfy the Machinery Systems Production Agriculture requirement. Any biological science course of 2 or more credits is accepted. Additional courses taken may be counted as Technical Electives.

3 MICROBIO 101 or MICROBIO 303 required for Food & Bioprocess Engineering specialization.

4 E M A 201 Statics is an acceptable prerequisite for PHYSICS 202 General Physics.

5 Students selecting the Food & Bioprocess Engineering option who plan to enroll in CBE 310 Chemical Process Thermodynamics and CBE 320 Introductory Transport Phenomena must take CBE 250 here as a prerequisite. Students selecting the Food & Bioprocess Engineering option who plan to enroll in M E 361 Thermodynamics and M E 363 Fluid Dynamics are recommended to take BSE 249 here.

GENERAL PROGRAM REQUIREMENTS

Code	Title	Credits
M E 361	Thermodynamics [1]	3
or CBE 310	Chemical Process Thermodynamics	
BSE 464	Heat and Mass Transfer in Biological Systems	3
E M A 303	Mechanics of Materials	3
Complete one of the following courses: [1]		3-4
M E 363	Fluid Dynamics	
CIV ENGR 310	Fluid Mechanics	
CBE 320	Introductory Transport Phenomena	
Complete a minimum of three of the following:		6-9
BSE 301	Land Information Management	
BSE 364	Engineering Properties of Food and Biological Materials	
BSE/ ENVIR ST 367	Renewable Energy Systems	
BSE/CIV ENGR/ SOIL SCI 372	On-Site Waste Water Treatment and Dispersal	
BSE 405	Artificial Intelligence in Agriculture	
BSE 460	Biorefining: Energy and Products from Renewable Resources	
BSE 461	Food and Bioprocessing Operations	
BSE 472	Sediment and Bio-Nutrient Engineering and Management	
BSE 473	Water Management Systems	
BSE/M E 475	Engineering Principles of Agricultural Machinery	
BSE/M E 476	Engineering Principles of Off-Road Vehicles	
M E/BSE 474	Fluid Power	
AN SCI/BSE 344	Digital Technologies for Animal Monitoring	
BSE 305	Introduction to Precision Agriculture	
BSE 571	Small Watershed Engineering	
Complete a minimum of 9 credits of coursework numbered 300 or above non-BSE engineering courses		9
Total Credits		**27-31**

1 Take BSE 249 and M E 361 and M E 363, or take CBE 250 and CBE 310 and CBE 320.

TECHNICAL ELECTIVES

Select courses from one or more of the following four technical elective categories to bring the total number of credits in the General Program Area or in the selected specialization area to 43.

A. INTRODUCTION TO ENGINEERING COURSES (FIRST-YEAR STUDENTS ONLY)

Code	Title	Credits
INTEREGR 170	Design Practicum	3

B. INDEPENDENT STUDY/INSTRUCTION COURSES

CALS or CoE courses with a 001, 299, 399, or 699 course number. No more than 3 credits of coursework in this category can be used to meet technical elective requirements.

C. UPPER-LEVEL COURSES

Part 1. Upper-Level Engineering Courses

This includes BSE courses not taken to meet other curricular requirements. This does not include independent study/ instruction courses.

Code	Title	Credits
Any Engineering course numbered 300 or above		
E M A 202	Dynamics	3

Part 2. Upper-Level Science Courses

This includes BSE courses not taken to meet other curricular requirements. This does not include independent study/ instruction courses.

Code	Title	Credits
Advanced biological, natural, and physical science courses (i.e., courses with a B, N, or P designation)		
CHEM 341	Elementary Organic Chemistry	3
CHEM 342	Elementary Organic Chemistry Laboratory	1
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3

CHEM/M S & E 421	Polymeric Materials	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3

D. LOWER-LEVEL SCIENCE AND ENGINEERING COURSES, BREADTH COURSES

Elementary and intermediate biological, natural, and physical science courses except elementary and intermediate math courses; College of Engineering courses numbered 100 through 299; College of Agricultural and Life Sciences courses, Institute of Environmental Studies courses, and/or School of Business courses. Independent study/instruction courses cannot be counted in this category. No more than 12 credits of coursework in this category can be used to meet technical elective requirements.

CAPSTONE

Code	Title	Credits
BSE 508	Biological Systems Engineering Design Practicum I	2
BSE 509	Biological Systems Engineering Design Practicum II	3
Total Credits		**5**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Display effective communication with a range of audiences.
4. Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Display teamwork skills, functioning effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. Acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE BIOLOGICAL SYSTEMS ENGINEERING FOUR-YEAR PLAN—GENERAL PROGRAM

Students must complete at least 125 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
MATH 221[1]	5	MATH 222	4
CHEM 109[2]	5	BSE 310	3
Biological Science Course	3	INTEREGR 170	3
Humanities	3	LSC 100 (or other COMM A)	3
		Ethnic Studies	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
E M A 201	3	BSE 308	1
MATH 234	4	BSE 349	3
BSE 249	3	MATH 320	3
BSE 270	3	PHYSICS 202	5
BSE 380	3	BSE General Program Elective	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
STAT 324	3	INTEREGR 397 (COMM B)	3
E M A 303	3	M E 363	3
M E 361	3	BSE 365	3
300 level or higher non-BSE engineering course	3	BSE 508	2
Technical Elective Course	3	BSE General Program Elective	3
Elective	3	CALS International Studies	3
	18		**17**

Fourth Year

Fall	Credits	Spring	Credits
BSE 509	3	BSE 464	3

300 level or higher non-BSE engineering course	3	300 level or higher non-BSE engineering course	3
Technical Electives	4	Technical Electives	4
BSE General Program Elective	3	Elective Course	3
Humanities	3		
	16		**13**

Total Credits 127

1 MATH course dependent on placement score and transfer credit evaluation.

2 If CHEM 103 & CHEM 104 are taken in place of CHEM 109, it is suggested to take CHEM 103 in the fall semester and CHEM 104 in the spring semester of the first year, and move BSE 310 to the fall semester of the second year.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

All students are assigned an advisor when they join the department. First-year students work with a professional staff advisor; more advanced students transition to a faculty advisor in their specialization area. The BSE department promotes personalized advising through accessible appointments and requires advising meetings at least once each semester.

CAREER OPPORTUNITIES

BSE graduates have great careers developing new products, processes, and systems to protect soil, air, and water quality while meeting demand for food, materials, and energy. Alumni hold positions in research and engineering in organizations developing off-road equipment, food production, renewable energy systems, animal housing, environmental control systems, irrigation and drainage systems, and with engineering consulting companies. Earning a BSE degree puts students on track to become a professional engineer and take the Fundamentals of Engineering (FE) exam, the first step toward licensure which opens even more career opportunities.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

The American Society of Agricultural and Biological Engineers (ASABE) Pre-professionals Club (https://asabe.bse.wisc.edu/) connects students to professional development opportunities.

UW–Madison offers many other student groups to encourage networking and development of leadership skills. Some cater to agricultural interests, while others focus on engineering and biosciences. Many food and bioprocess engineering students are active in the Food Science Club. Other options include Minorities in Agriculture, Natural Resources and Related Sciences (https://win.wisc.edu/organization/manrrs/), Engineers for a Sustainable World (UW–Madison Chapter) (https://win.wisc.edu/organization/esw-uwmadison/), and more. Many student organizations exist to support engineering students who identify as Native American, Black, Latinx, or part of the LGBTQIA+ community in professional development and academic success.

Find more student organizations (https://win.wisc.edu/organizations/).

COMPETITIVE TEAMS

The BSE department is the home of several engineering design teams that compete in one of several National Student Design Competitions through the American Society of Agricultural and Biological Engineers (ASABE). The Quarter-Scale Tractor Team (https://badgerpulling.bse.wisc.edu/) designs and builds a small-scale tractor judged by industry experts and put to the test in performance events against other national and international university teams. The Robotics Student Design Competition allows students to develop skills in robotic systems, electronics, and sensing technologies by simulating a fully autonomous robotic solution to a common agricultural process.

Many BSE students participate in or hold leadership positions in other engineering design competition teams, such as Formula SAE (https://vehicles.wisc.edu/formula/formulaabout.html), SAE Clean Snowmobile (https://vehicles.wisc.edu/SNOWMOBILE/SNOWMOBILEabout.html), ASCE Concrete Canoe (https://win.wisc.edu/organization/canoe/), Human Powered Vehicle Challenge (https://hpvc.slc.engr.wisc.edu/new/), Collegiate Wind Power Competition, (https://energy.wisc.edu/news/uw-madison-team-compete-2022-collegiate-wind-competition/) Baja Team (https://vehicles.wisc.edu/BAJA/BAJAabout.html), and UW Hybrid. (https://vehicles.wisc.edu/hybrid/team/mechanical_team.html)

INTERNSHIPS

Internships are an excellent way for students to ground what they have learned in practical applications. Students also participate in co-operative (co-op) education programs where they earn full-time salaries while working for a company. The program supports students in finding co-ops and internships and provides flexibility in class plans for opportunities that occur during fall or spring semesters. Students learn of pre-professional internships through on-campus career fairs – primarily by those hosted by the CoE and CALS – and through regular email announcements. Students also have opportunities to intern with professors performing research over the summer. Although not a program requirement, school credit may be earned for internships.

RESEARCH EXPERIENCE

Many professors in BSE and across campus provide opportunities for students to gain hands-on experience in research labs. Undergraduate researchers learn how knowledge is constructed, gain independence, and increase their self-confidence. These benefits are an advantage in any career path. BSE students are sought out by research groups across campus and governmental agencies because of their unique research experiences.

GLOBAL ENGAGEMENT

The program supports study abroad and international experiences with flexible scheduling. In addition to study abroad programs and internships, students can volunteer with student organizations like Engineers Without Borders (http://ewbuwmadison.weebly.com/). Students can choose to fulfill their International Studies requirement with an appropriate study abroad course.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

BSE students participate in campus-wide volunteer programs like Badger Volunteers, offering their expertise in education, sustainability, and

public health to support community organizations. In addition, BSE students volunteer through student organizations to work on special projects related to engineering. Past projects included the fabrication of bioreactors for communities in Uganda or Habitat for Humanity projects in Madison.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually from a standard application (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

Each year dozens of outstanding Biological Systems Engineering students are awarded scholarships from funds designated exclusively for this major. These funds seek to support students based on many different criteria, such as financial need, specific academic interests, extracurricular involvement, and academic success.

RESOURCES

BSE students have full access to the resources of both the College of Agricultural and Life Sciences and the College of Engineering, including Career Services, Study Abroad programs, access to specialized engineering software, and computer labs.

The Biological Systems Engineering Shop (https://bse.wisc.edu/shop-information/shop-info-for-students/) provides students hands-on experience with machining equipment commonly used in industry. Students can learn machining and metal fabrication techniques, as well as woodworking skills, and improve their understanding of design and assembly processes. Training and support are available for all skill levels. In addition, BSE students have access to all College of Engineering fabrication shops and the UW Makerspace (https://making.engr.wisc.edu/).

Other resources in the Agricultural Engineering Building include a dedicated student computer lab and a student lounge available for group study or individual work. Department-wide social events are also held here.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/), under the commission's General Criteria and Program Criteria for Biological and Similarly Named Programs.

PROGRAM#EDUCATIONAL OBJECTIVES#FOR THE BACHELOR OF SCIENCE IN BIOLOGICAL SYSTEMS ENGINEERING

The Biological Systems Engineering Department recognizes that our graduates will choose to use acquired knowledge and skills to pursue a wide variety of career and life goals. Whether they choose a professional career, pursue further education, or engage in volunteer work, our graduates will:

1. Develop exceptional problem-solving, leadership, teamwork, and communication skills in the intersecting fields of biological systems and engineering, covering various scales, from microbial to global.
2. Utilize skills to make meaningful contributions to communities in addressing pressing societal and ecological challenges.
3. Be prepared for professional licensure and career development in the public, private, or nonprofit sectors.

Note: Undergraduate Program Educational Objectives and Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Biological Systems Engineering#Undergraduate Program website (https://bse.wisc.edu/undergraduate-studies/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

BIOLOGICAL SYSTEMS ENGINEERING: FOOD AND BIOPROCESS ENGINEERING

Food and bioprocess engineers develop and manage equipment and systems that process and distribute food and other biologically based materials. They are required by the food industry to help develop processes that add value to food products. These processing technologies are designed to improve the storage life and marketability of food products, reduce their transportation costs, handle processing wastes, and develop alternative uses for biological materials. (For example, newspaper and soy flour are used to make the construction material Environ™, and corn stalks can be used to make chemical absorbent pads.)

The food industry makes up one of the largest segments of our nation's economy and continues to enjoy steady growth due to the ever-changing needs of consumers and increased awareness of nutritional and environmental issues. Food and bioprocess engineers play a vital role in meeting this need. From potato chips to microwavable entrees, food and bioprocess engineers continue to develop processes to convert raw materials from the farm to food products for the dining room table.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Major Requirements		
Common Requirements		53
Specialization Technical Electives		43
Capstone		5
Total Credits		**101**

COMMON REQUIREMENTS

See Major Requirements (p. 118).

FOOD & BIOPROCESS ENGINEERING SPECIALIZATION

This is a named option that will appear on the student's transcript upon completion.

Code	Title	Credits
CHEM 341	Elementary Organic Chemistry (preferred)	3
or CHEM 343	Organic Chemistry I	
M E 361	Thermodynamics [1]	3
or CBE 310	Chemical Process Thermodynamics	
M E 363	Fluid Dynamics [1]	3-4
or CBE 320	Introductory Transport Phenomena	
BSE 364	Engineering Properties of Food and Biological Materials	3
BSE 461	Food and Bioprocessing Operations	3
BSE 464	Heat and Mass Transfer in Biological Systems	3
Complete one of the following BSE breadth courses:		2-3
BSE 301	Land Information Management	
BSE/CIV ENGR/ SOIL SCI 372	On-Site Waste Water Treatment and Dispersal	
BSE 472	Sediment and Bio-Nutrient Engineering and Management	
BSE 473	Water Management Systems	
BSE/M E 475	Engineering Principles of Agricultural Machinery	
BSE/M E 476	Engineering Principles of Off-Road Vehicles	
BSE 571	Small Watershed Engineering	
BSE 305	Introduction to Precision Agriculture	
AN SCI/BSE 344	Digital Technologies for Animal Monitoring	
M E/BSE 474	Fluid Power	
Complete one of the following (see course lists below):		10-11
Bioprocess Engineering Focus Area		
Food Engineering Focus Area		
Total Credits		**30-33**

[1] Take BSE 249 and M E 361 and M E 363, or take CBE 250 and CBE 310 and CBE 320.

Bioprocess Engineering Focus Area

Code	Title	Credits
MICROBIO 102	General Microbiology Laboratory	2
or MICROBIO 304	Biology of Microorganisms Laboratory	
BIOCHEM 501	Introduction to Biochemistry	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
Total Credits		**11**

Food Engineering Focus Area

Code	Title	Credits
FOOD SCI 301	Introduction to the Science and Technology of Food	3
FOOD SCI/ MICROBIO 325	Food Microbiology	3
FOOD SCI 532	Integrated Food Manufacturing	4
Total Credits		**10**

TECHNICAL ELECTIVES

See Major Requirements (p. 118).

CAPSTONE

See Major Requirements (p. 118).

FOUR-YEAR PLAN

Students must complete at least 125 total credits to be eligible for graduation.

SAMPLE BIOLOGICAL SYSTEMS ENGINEERING FOUR-YEAR PLAN– FOOD AND BIOPROCESS ENGINEERING SPECIALIZATION–BIOPROCESS ENGINEERING FOCUS AREA

First Year

Fall	Credits	Spring	Credits
MATH 221[1]	5	MATH 222	4
CHEM 109[2]	5	BSE 310	3
LSC 100 (or other COMM A)	3	INTEREGR 170	3
Ethnic Studies	3	MICROBIO 101 & MICROBIO 102	5
	16		**15**

Second Year

Fall	Credits	Spring	Credits
BSE 249 or CBE 250	3	BSE 308	1
BSE 270	3	BSE 349	3
MATH 234	4	MATH 320	3
CHEM 341	3	INTEREGR 397 (COMM B)	3
E M A 201	3	PHYSICS 202	5
	16		**15**

Third Year

Fall	Credits	Spring	Credits
M E 361	3	BSE 364	3
BSE/ENVIR ST 367	3	BSE 365	3
BIOCHEM 501	3	BSE 508	2
STAT 324	3	M E 363 or CBE 320	3-4
Humanities	3	Technical Electives	3
		CALS International Studies	3
	15		**17-18**

Fourth Year

Fall	Credits	Spring	Credits
BSE 380	3	BSE 460	3
BSE 461	3	BSE 464	3
BSE 509	3	BSE Breadth Requirement	3
Technical Electives	2-3	Elective Courses	9
Humanities	3		
	14-15		**18**

Total Credits 126-128

1 MATH course dependent on placement score and transfer credit evaluation.

2 If CHEM 103 & CHEM 104 are taken in place of CHEM 109, it is suggested to take CHEM 103 in the fall semester and CHEM 104 in the spring semester of the first year and move MICROBIO 101 & MICROBIO 102 to the first semester of the second year.

SAMPLE BIOLOGICAL SYSTEMS ENGINEERING FOUR-YEAR PLAN– FOOD AND BIOPROCESS ENGINEERING SPECIALIZATION–FOOD ENGINEERING FOCUS AREA

First Year

Fall	Credits	Spring	Credits
MATH 221[1]	5	MICROBIO 101	3
CHEM 109[2]	5	INTEREGR 170	3
LSC 100 (or other COMM A)	3	BSE 310	3
Humanities	3	MATH 222	4
		Ethnic Studies	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
BSE 249 or CBE 250	3	BSE 308	1
BSE 270	3	BSE 349	3
MATH 234	4	MATH 320	3
CHEM 341	3	PHYSICS 202	5
E M A 201	3	CALS International Studies	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
FOOD SCI 301	3	BSE 364	3
FOOD SCI/ MICROBIO 325	3	BSE 365	3
BSE 380	3	BSE 508	2
M E 361 or CBE 310	3	M E 363 or CBE 320	3-4
STAT 324	3	Technical Electives	3
	15		**14-15**

Fourth Year

Fall	Credits	Spring	Credits
FOOD SCI 532	4	BSE 464	3
BSE 461	3	Humanities	3
BSE 509	3	BSE Breadth Requirement	3
INTEREGR 397 (COMM B)	3	Technical Elective	3
Technical Electives	3-4	Elective Courses	6
	16-17		**18**

Total Credits 126-128

1 MATH course dependent on placement score and transfer credit evaluation.

2 If CHEM 103 & CHEM 104 are taken in place of CHEM 109, it is suggested to take CHEM 103 in the fall semester and CHEM 104 in the spring semester of the first year, and move BSE 310 to the second year.

BIOLOGICAL SYSTEMS ENGINEERING: MACHINERY SYSTEMS ENGINEERING

Machinery systems engineering is what many students initially perceive biological systems engineering to be. These engineers are trained to design machines for production agriculture and construction. Concepts covered in this field include power transmission, traction, hydraulic power, and crop handling, such as planting and harvesting.

Over the past 50 years, machines have improved production efficiency in all aspects of life. Machinery systems engineers have played a key role in moving society from the highly manual culture of the early 20th century to the highly technical culture of the late 20th century. Even with these advances, the job of the machinery systems engineer is not complete. Concern for our natural environment and worker safety, and the constant desire to reduce costs and energy consumption while improving production efficiency, will continue to challenge machinery systems engineers.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Major Requirements		
Common Requirements		53
Specialization Technical Electives		43
Capstone		5
Total Credits		**101**

COMMON REQUIREMENTS

See Major Requirements (p. 118).

MACHINERY SYSTEMS ENGINEERING SPECIALIZATION

This is a named option that will appear on the student's transcript upon completion.

Code	Title	Credits
BSE 405	Artificial Intelligence in Agriculture	3
BSE/M E 475	Engineering Principles of Agricultural Machinery	3
BSE/M E 476	Engineering Principles of Off-Road Vehicles	3
E M A 202	Dynamics	3
M E 342	Design of Machine Elements	3
E M A 303	Mechanics of Materials	3
E M A/M E 307	Mechanics of Materials Lab	1
M E 310	Manufacturing: Polymer Processing and Engineering	3
or M E 311	Manufacturing: Metals and Automation	
M E 361	Thermodynamics	3
M E 363	Fluid Dynamics	3
Complete one course in Production Agriculture:		3-4
DY SCI/ AN SCI 101	Introduction to Animal Sciences	
BSE 305	Introduction to Precision Agriculture (Cannot double count to meet both BSE breadth requirement and Production Agriculture requirement.)	
PLANTSCI 110	Introduction to Plant Science and Technology	
SOIL SCI 301	General Soil Science	
Complete one of the following BSE breadth courses:		3-4
BSE 301	Land Information Management	
BSE 364	Engineering Properties of Food and Biological Materials	
BSE/ ENVIR ST 367	Renewable Energy Systems	
BSE/CIV ENGR/ SOIL SCI 372	On-Site Waste Water Treatment and Dispersal	
BSE 460	Biorefining: Energy and Products from Renewable Resources	
BSE 461	Food and Bioprocessing Operations	
BSE 464	Heat and Mass Transfer in Biological Systems	
BSE 472	Sediment and Bio-Nutrient Engineering and Management	
BSE 473	Water Management Systems	
BSE 571	Small Watershed Engineering	
BSE/M E 474	Fluid Power	
BSE/AN SCI 344	Digital Technologies for Animal Monitoring	
BSE 305	Introduction to Precision Agriculture (Cannot double count to meet both BSE breadth requirement and Production Agriculture requirement.)	
Total Credits		**34-36**

TECHNICAL ELECTIVES

See Major Requirements (p. 118).

CAPSTONE

See Major Requirements (p. 118).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE BIOLOGICAL SYSTEMS ENGINEERING FOUR-YEAR PLAN– MACHINERY SYSTEMS ENGINEERING NAMED OPTION

First Year

Fall	Credits	Spring	Credits
MATH 221[1]	5	MATH 222	4
CHEM 109[2]	5	BSE 310	3
LSC 100 (or other COMM A)	3	INTEREGR 170	3
Humanities	3	Elective	3
		Ethnic Studies	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	BSE 308	1
BSE 249	3	BSE 349	3
E M A 201	3	M E 361	3
Biological Science Course	3	STAT 324	3
Elective	3	PHYSICS 202	5
	16		**15**

Third Year

Fall	Credits	Spring	Credits
BSE 270	3	BSE 365	3
BSE/M E 475	3	BSE/M E 476	3
MATH 320	3	BSE 508	2
E M A 202	3	M E 310 or 311	3
E M A 303	3	M E 363	3
M E/E M A 307	1	CALS International Studies	3
	16		**17**

Fourth Year

Fall	Credits	Spring	Credits
BSE 380	3	BSE 405	3
BSE 509	3	INTEREGR 397 (COMM B)	3
M E 342	3	Technical Electives	6
BSE Breadth Requirement	3	Humanities	3
Production Agriculture Course	3-4		
	15-16		**15**

Total Credits 126-127

Students must complete at least 125 total credits to be eligible for graduation.

1 MATH course dependent on placement score and transfer credit evaluation.

2 If CHEM 103 & CHEM 104 are taken in place of CHEM 109, it is suggested to take CHEM 103 in the fall semester and CHEM 104 in the spring semester of the first year.

BIOLOGICAL SYSTEMS ENGINEERING: NATURAL RESOURCES AND ENVIRONMENTAL ENGINEERING

Natural resources and environmental engineers work with all kinds of natural resources, like water, soil, plants, and air. For example, they could be responsible for the design of livestock or wildlife watering stations in a natural forest or the design of a recycling waste management system on a dairy farm. Graduates find challenging and rewarding work with engineering and environmental consultants, with government agencies like the Forest Service, and with companies such as Valmont Irrigation and Creative Habitat.

Conserving soil and water resources is critical to our future. Expanding populations and increasing needs for food, goods, and services are placing an ever growing demand upon our precious soil and water resources. Natural resources and environmental engineers are finding ways to manage and conserve our resources today so that we can meet the demands of the future.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Major Requirements		
Common Requirements		53
Specialization Technical Electives		43
Capstone		5
Total Credits		**101**

COMMON REQUIREMENTS

See Major Requirements (p. 118).

NATURAL RESOURCES AND ENVIRONMENT SPECIALIZATION

This is a named option that will appear on the student's transcript upon completion.

Code	Title	Credits
BSE/CIV ENGR/ SOIL SCI 372	On-Site Waste Water Treatment and Dispersal	2
BSE 472	Sediment and Bio-Nutrient Engineering and Management	3
BSE 473	Water Management Systems	3
BSE 571	Small Watershed Engineering	3
M E 361	Thermodynamics	3
CIV ENGR 310	Fluid Mechanics	3
or M E 363	Fluid Dynamics	
BSE 301	Land Information Management	3
E M A 303	Mechanics of Materials	3
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3
or SOIL SCI 301	General Soil Science	
Complete one of the following BSE breadth courses:		3
BSE 364	Engineering Properties of Food and Biological Materials	
BSE/ ENVIR ST 367	Renewable Energy Systems	
BSE 405	Artificial Intelligence in Agriculture	
BSE 460	Biorefining: Energy and Products from Renewable Resources	
BSE 461	Food and Bioprocessing Operations	
BSE 464	Heat and Mass Transfer in Biological Systems	
BSE/M E 475	Engineering Principles of Agricultural Machinery	
BSE/M E 476	Engineering Principles of Off-Road Vehicles	
BSE 305	Introduction to Precision Agriculture	
BSE/M E 474	Fluid Power	
AN SCI/BSE 344	Digital Technologies for Animal Monitoring	
Total Credits		**29**

TECHNICAL ELECTIVES

See Major Requirements (p. 118).

CAPSTONE

See Major Requirements (p. 118).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE BIOLOGICAL SYSTEMS ENGINEERING FOUR-YEAR PLAN– NATURAL RESOURCES AND ENVIRONMENT SPECIALIZATION

First Year

Fall	Credits	Spring	Credits
MATH 221[1]	5	MATH 222	4
CHEM 109[2]	5	SOIL SCI/ENVIR ST/ GEOG 230[3]	3
LSC 100 (or other COMM A)	3	INTEREGR 170	3

Humanities	3	Biological Sciences Course	3
		Ethnic Studies	3
	16		**16**

Second Year

Fall	**Credits**	**Spring**	**Credits**
MATH 234	4	STAT 324	3
E M A 201	3	PHYSICS 202	5
BSE 249	3	BSE 308	1
BSE 270	3	BSE 349	3
BSE 301	3	BSE 472	3
	16		**15**

Third Year

Fall	**Credits**	**Spring**	**Credits**
BSE/CIV ENGR/ SOIL SCI 372	2	BSE 310	3
BSE 380	3	BSE 365	3
BSE 473	3	BSE 508	2
MATH 320	3	BSE 571	3
CIV ENGR 310	3	E M A 303	3
Technical Elective	3	INTEREGR 397 (COMM B)	3
	17		**17**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
BSE 509	3	Technical Electives	6
M E 361	3	CALS International Studies	3
BSE Breadth Requirement	3	Elective Courses	6
Technical Elective	3		
Humanities	3		
	15		**15**

Total Credits 127

Students must complete at least 125 total credits to be eligible for graduation.

1 MATH course dependent on placement score and transfer credit evaluation.

2 If CHEM 103 & CHEM 104 are taken in place of CHEM 109, it is suggested to take CHEM 103 in the fall semester and CHEM 104 in the spring semester of the first year and move Biological Science to the fall semester of the second year.

3 SOIL SCI 301 is offered Fall semester and is an alternative to SOIL SCI/ ENVIR ST/GEOG 230.

COMMUNITY AND ENVIRONMENTAL SOCIOLOGY

Faculty, students, and staff in the University of Wisconsin's Department of Community and Environmental Sociology are concerned with a wide array of issues from environmental degradation and globalization to sustainability and local food systems. The faculty is made up of an interdisciplinary group trained in fields ranging from sociology to science and technology studies and environmental studies. We are an engaged group whose work, while theoretically informed, is often directed at intervening in and affecting real-life situations. The issues discussed in Community and Environmental Sociology classes can also be applied outside of the classroom.

Community and Environmental Sociology majors go on to a wide variety of careers in environmental conservation, community and international development, food systems, law, public policy, sociology, and public health – in the private, public, and non-profit sectors. Alumni hold positions as directors, managers, administrators, policymakers, data analysts, planners, consultants, researchers, teachers, health care workers, and civil servants. The program also provides excellent preparation for graduate school.

The Department of Community and Environmental Sociology is also home to the undergraduate Food Systems Certificate, which assembles an interdisciplinary program of study, that explored the social, economic, and environmental outcomes of different patterns of food production, processing, distribution, and consumption.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Community and Environmental Sociology, BS (p. 128)
- Food Systems, Certificate (p. 132)

COMMUNITY AND ENVIRONMENTAL SOCIOLOGY, BS

Community and environmental sociology explores the communities in which people live and the relationships between people and their natural environments. Using an integrative approach, the major provides students a broad view of the societal factors involved in issues of environment, food systems, health, and community development, as well as strategies for promoting a more just and sustainable world.

Through core courses, students receive foundational knowledge in sociology and select from a wide range of electives covering environmental stewardship, resource conflicts, public health, social change, social justice, agroecology, rural development, labor, science and technology, colonialism, and globalization.

Graduates go on to a wide variety of careers in environmental conservation, community and international development, food systems, law, public policy, sociology, and public health – in the private, public, and non-profit sectors. A Community and Environmental Sociology major also provides excellent preparation for graduate school. Alumni hold positions as directors, managers, administrators, policymakers, data analysts, planners, consultants, researchers, teachers, health care workers, and civil servants.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCE

Students can apply their course learning to real life through internships, field courses, and research projects. During their final year, majors complete a senior capstone course where they receive instruction helping them integrate what they have learned through previous courses, and also build knowledge and skills that will help them transition into professional careers or graduate school. This can be done through either seminar-style discussion involving guest speakers and other resources or community-based research projects in collaboration with community groups.

BUILD COMMUNITY AND NETWORKS

Students get to know faculty and instructors through departmental courses and social activities, and they can build their networks by participating in student organizations, internships, and research experiences.

CUSTOMIZE A PATH OF STUDY

In addition to a set of core courses, students choose from a wide array of electives to explore their areas of interest within the major. Many choose to add a certificate or double major to their degree. Common certificate options include global health, food systems, organic agriculture, science and technology policy, and environmental studies. Common second majors include environmental sciences, nutritional sciences, agronomy, biology, and wildlife ecology.

MAKE A STRONG START

An introductory course provides an overview of topics such as community organizing, local food systems, energy transitions, environmental justice, resource dependence, and sustainable development.

GAIN A GLOBAL PERSPECTIVE

Majors learn about different cultures, communities, and environments through the classes they take, and many choose to study abroad to further expand their perspectives. Majors can choose semester-long programs or summer opportunities at top universities in Africa, Asia, Europe, and Latin America, or shorter faculty-led study abroad experiences. Students can explore studying abroad as a Community and Environmental Sociology major by utilizing the Community and Environmental Sociology Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and

Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Core		
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/SOC 475	Classical Sociological Theory	3
C&E SOC/SOC 357	Methods of Sociological Inquiry	3-4
C&E SOC/SOC 360	Statistics for Sociologists I [1]	4
Electives within the Major [2]		**15**
Select 6-9 credits from the Community course set [3]		
Select 6-9 credits from the Environment course set [3]		
Capstone		
C&E SOC 500	Capstone Experience	3
Total Credits		**32-33**

1 We strongly encourage our majors to take C&E SOC/SOC 360 Statistics for Sociologists I, if they have not already taken a statistics course at time of major declaration. Acceptable statistics courses other than C&E SOC/SOC 360 Statistics for Sociologists I are: STAT 301 Introduction to Statistical Methods, STAT 371 Introductory Applied Statistics for the Life Sciences, ECON 310 Statistics: Measurement in Economics, PSYCH 210 Basic Statistics for Psychology, and MATH/STAT 310 Introduction to Probability and Mathematical Statistics II. Please note that statistics courses taken outside the major do not count toward the credit requirement in the major.

2 Must complete a total of 15 credits of community and environment electives. No more than 6 credits may be from courses numbered between 100-299. At least 6 credits must be taken in each course set.

3 Consult advisor to request permission to use C&E SOC 299 Independent Study, C&E SOC 399 Coordinative Internship/Cooperative Education, or C&E SOC 699 Special Problems toward the Community or Environmental course sets. No more than 4 such credits may be counted toward the major.

ELECTIVE COURSES WITHIN THE MAJOR

COMMUNITY COURSE SET

Code	Title	Credits
C&E SOC/SOC 210	Survey of Sociology	3-4
C&E SOC/SOC 211	The Sociological Enterprise	3
C&E SOC/SOC 245	Technology and Society	3
C&E SOC/AFROAMER/ANTHRO/GEOG/HISTORY/LACIS/POLI SCI/SOC/SPANISH 260	Latin America: An Introduction	3-4
C&E SOC/SOC 341	Labor in Global Food Systems	3
C&E SOC/GEN&WS/SOC 347	Gender and Sexuality in Rural Places	3
C&E SOC/SOC 365	Data Management for Social Science Research	3-4
C&E SOC/POP HLTH 370	Introduction to Public Health	3
C&E SOC 375	Special Topics	1-4
C&E SOC/CURRIC/ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/SOC 532	Health Care Issues for Individuals, Families and Society	3
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
C&E SOC/ENVIR ST/SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/MED HIST/PHILOS 565	The Ethics of Modern Biotechnology	3
C&E SOC/SOC 573	Community Organization and Change	3
C&E SOC/AMER IND/SOC 578	Poverty and Place	3
C&E SOC/SOC/URB R PL 617	Community Development	3
C&E SOC/SOC 630	Sociology of Developing Societies/Third World	3
C&E SOC/SOC/URB R PL 645	Modern American Communities	3
C&E SOC/SOC 652	Sociology of Economic Institutions	3
C&E SOC/SOC 693	Practicum in Analysis and Research	3

ENVIRONMENT COURSE SET

Code	Title	Credits
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
C&E SOC 375	Special Topics	1-4
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
C&E SOC/ MED HIST/ PHILOS 565	The Ethics of Modern Biotechnology	3
C&E SOC/SOC 650	Sociology of Agriculture	3
C&E SOC/SOC 693	Practicum in Analysis and Research	3

CREDIT REQUIREMENT

Must complete a total of 30 credits of C&E SOC courses. Students may count up to 4 credits of Independent Study (C&E SOC 299 Independent Study, C&E SOC 699 Special Problems), Internship (C&E SOC 399 Coordinative Internship/Cooperative Education), or Thesis (C&E SOC 681 Senior Honors Thesis/C&E SOC 682 Senior Honors Thesis/C&E SOC 691 Senior Thesis/C&E SOC 692 Senior Thesis) here, with permission of their advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand how social science arguments are constructed and evaluated.
2. Develop ability to assess data quality and understand whether particular data is appropriate to answer specific questions.
3. Learn general theories on basic social processes, especially those related to the relationships between society and the environment and the social organization of communities.
4. Learn communication skills in the social sciences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE COMMUNITY AND ENVIRONMENTAL SOCIOLOGY FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
COMM A or COMM B Course	2-3	COMM A or COMM B Course	2-3
C&E SOC/SOC 140	4	CHEM 103, 108, or 109	4-5
First Year Seminar	1	C&E SOC Elective[2]	3
Electives[1]	8	Electives (to reach ~15 credits)	4-6
	15-16		**13-17**

Total Credits 28-33

Sophomore

Fall	Credits	Spring	Credits
C&E SOC/SOC 357	3	C&E SOC/SOC 360	4
C&E SOC Elective[2]	3	C&E SOC Elective[2]	3
Ethnic Studies	3	Biological Science Course	2
Electives	6	Humanities Elective	3
		Additional Electives	3
	15		**15**

Total Credits 30

Junior

Fall	Credits	Spring	Credits
C&E SOC/SOC 475	3	C&E SOC Elective[2]	3
C&E SOC Elective[2]	3	International Studies	3
Biological Science	3	Additional Science Course	3
Additional Electives	6	Electives	6
	15		**15**

Total Credits 30

Senior

Fall	Credits Spring	Credits
C&E SOC 500[3]	3 Humanities	3
Electives	12 Electives	12
	15	**15**

Total Credits 30

1 Electives should be chosen in order to satisfy university and CALS requirements. See requirements tab for details.

2 Community and environmental sociology electives include the community course set and the environmental course set. See requirements tab for details.

3 Students may take the capstone course either semester of their senior year. The fall semester and spring semester courses may have different content.

The above plan assumes that a student enters with standard high school preparation (algebra, geometry, third-year math, two years' foreign language).

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students have an academic advisor who helps them with course planning and mapping out their degree plans. They also have a faculty mentor, with whom they can discuss internship opportunities and career goals.

CAREER OPPORTUNITIES

Graduates go on to a wide variety of careers that help support environmental sustainability, sustainable agricultural systems, community development, and public health – in the private, public, and non-profit sectors. The major also provides excellent preparation for graduate school. Alumni hold professional positions as directors, managers, administrators, policymakers, data analysts, planners, consultants, researchers, teachers, health care workers, and civil servants.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Many students complete internships, including with campus clubs, community groups, and national and international non-profit organizations. Learn more about internship opportunities. (https://dces.wisc.edu/programs/opportunities/possible-internships/)

RESEARCH EXPERIENCE

Community and Environmental Sociology majors can gain research experience by participating in a faculty-led research project or conducting their own project supervised by a faculty member. Students can choose to write thesis papers, and some become authors or co-authors on published research papers.

GLOBAL ENGAGEMENT

Majors are encouraged to participate in study abroad experiences across all continents. Options include a sustainable development course in Uganda, a food systems and health course in South Africa, and many other options.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

There are many opportunities to engage in volunteer activities. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

STUDENT ORGANIZATIONS

There are numerous campus student organizations of interest to majors, including F.H. King Students for Sustainable Agriculture, Campus Food Shed, and REthink Wisconsin. A full list of UW–Madison student organizations is available on the Wisconsin Involvement Network website (https://win.wisc.edu/organizations/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

The Department of Community and Environmental Sociology awards an average of $15,000 in scholarships each year to undergraduate students in the department. This includes numerous Crowe Scholarships, which are awarded to students to support research, study abroad, conference fees, and professional society memberships. Crowe Scholarships are also awarded for financial need and academic achievement. Learn more about Community and Environmental Sociology scholarships. (https://dces.wisc.edu/programs/scholarships/)

FOOD SYSTEMS, CERTIFICATE

The certificate in food systems is an option open to all undergraduate students. It assembles an interdisciplinary curriculum, integrating different paradigms across all aspects of food production, distribution, and consumption, along with the context and values inherent to the systems.

For students in food or agriculture-related majors, the certificate in food systems will provide a broader context to their disciplinary studies. For students in fields that include food as a possible orientation of their studies, it will provide exposure to the full range of food systems, potentially inspiring an orientation to food as a focus of their studies. For students of any discipline, the certificate will help students be more informed consumers and citizens, hopefully leading to better choices about what they eat through knowledge of food and the social, economic, and environmental outcomes of different patterns of production, processing, distribution, and consumption.

HOW TO GET IN

HOW TO GET IN

Undergraduate students of any major are welcome to pursue the Certificate in Food Systems. While there are different pathways to complete the certificate, students who declare and plan their coursework earlier in their careers will be in a better position to complete the required coursework.

Students are eligible to declare the certificate once they complete one of the three core courses with a grade of B or better:

Code	Title	Credits
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
DY SCI 471	Food Production Systems and Sustainability	3

Students who meet the eligibility criteria should fill out this short questionnaire (https://uwmadison.co1.qualtrics.com/jfe/form/SV_0JPABAckGujKA2p/) and then contact the undergraduate coordinator listed in the contact information box to declare the certificate.

REQUIREMENTS

REQUIREMENTS

The Certificate in Food Systems requires that students take two highly interdisciplinary core courses (6 total credits), and at least one course in each of three thematic elective categories (for 9 total credits across electives), plus a one credit culminating activity such as an internship, independent study, or appropriate capstone. The course list below provides a complete list of courses that satisfy each requirement.

MINIMUM REQUIREMENTS:

- 2.0 GPA in certificate courses
- At least 50% of certificate courses taken in-residence (i.e. at UW-Madison or through a UW-Madison sponsored study abroad program)
- Minimum of 16 credits total

Code	Title	Credits
Core Courses		
Complete two of the following:		6-7
AGROECOL/ C&E SOC/ ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	
C&E SOC/A A E/ SOC 340	Issues in Food Systems	
DY SCI 471	Food Production Systems and Sustainability	
Elective Courses		
Complete at least one course from each list: Provisioning, Context, and Values for a total of at least 9 credits		9
Provisioning (production, processing, distribution)		
PLANTSCI 110	Introduction to Plant Science and Technology	
PLANTSCI 300	Cropping Systems	
AGROECOL 377	Global Food Production and Health	
AN SCI/ DY SCI 101	Introduction to Animal Sciences	
AN SCI/ DY SCI 370	Livestock Production and Health in Agricultural Development	
BOTANY/ PL PATH 123	Plants, Parasites, and People	
FOOD SCI 301	Introduction to the Science and Technology of Food	
PLANTSCI 376	Tropical Horticultural Systems	
PLANTSCI 370	World Vegetable Crops	
PLANTSCI 378	Tropical Horticultural Systems International Field Study	
Context (policy, economics, law, society)		
A A E 101	Introduction to Agricultural and Applied Economics	
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	
AN SCI/ FOOD SCI 321	Food Laws and Regulations	
AN SCI/DY SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	
AN SCI/DY SCI/ FOOD SCI/ SOIL SCI 473	International Field Study in Animal Agriculture and Sustainable Development	
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
MED HIST/ C&E SOC/ PHILOS 565	The Ethics of Modern Biotechnology	
Values (nutrition, equity, environment)		
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
AGROECOL 370	Grassland Ecology	
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany	
C&E SOC/ SOC 341	Labor in Global Food Systems	
C&E SOC/ SOC 222	Food, Culture, and Society	

ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
FOLKLORE/ AMER IND/ ANTHRO/ GEN&WS 437	American Indian Women
PLANTSCI 350	Plants and Human Wellbeing
NUTR SCI 132	Nutrition Today
NUTR SCI 332	Human Nutritional Needs
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource
Food Systems Culminating Activity [1]	
Select one of the following:	1
Independent Study	
C&E SOC 299	Independent Study
C&E SOC 699	Special Problems
Food Systems Internship	
C&E SOC 399	Coordinative Internship/ Cooperative Education
Total Credits	**16-17**

[1] Culminating activities must be formally pre-approved and incorporated into an independent study (299) or internship (399) within the Department of Community and Environmental Sociology. Click HERE (https://uwmadison.co1.qualtrics.com/jfe/form/SV_eaks3WTTYEkj7Xn/) for more information and a form to request approval of a culminating activity.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Evaluate critically the key elements of a food system.
2. Evaluate critically how political, social, economic, and environmental forces interact to shape food systems.
3. Evaluate critically the biophysical processes inherent in various agricultural production systems.
4. Evaluate critically how individuals from different backgrounds interact with local and global food systems as humans, consumers, producers, and citizens.
5. Evaluate critically the social, economic, and environmental outcomes of different food systems.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Questions about the certificate may be directed to the undergraduate coordinator.

CAREERS

For students in food or agriculture related majors, the certificate in food systems will provide a broader context to their disciplinary studies. As they seek careers, they will be able to provide evidence of enhancing their disciplinary learning and skills with a broader framework of food system concepts, including ideas for enhancing food system sustainability. For students in fields that include food as a possible orientation of their studies, it will provide exposure to the full range of food systems, potentially inspiring an orientation to food as a focus of their studies. For students in any discipline, the certificate in food systems will help them be more informed consumers and better informed citizens, hopefully leading to better choices about what they eat through knowledge of food and the social, economic, and environmental consequences of production, processing, distribution, and consumption.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

- Integrated, interdisciplinary course work
- Professional development opportunities, including options to intern off campus
- Hands-on culminating experience

ENTOMOLOGY

Insects have dominated the terrestrial planet for more than 350 million years. While entomologists have recognized and named more than one million different species of insects, experts vary widely on the true number of insect species – with estimates ranging from three million to 30 million unique species. At any given moment, 200+ million insects live for every human on Earth; over 70% of all animal species are insects. They have achieved something that has eluded humans – sustainable development. Insects are the primary consumers of plants, yet they are also the dominant pollinators, thus ensuring plant reproduction. They play a critical role in disease transmission yet the service they provide to ecological maintenance is unparalleled.

Entomologists conduct insect-based research in numerous areas ranging from general biology, natural history, systematics, ecology and behavior, to molecular biology, physiology and development, to medical and agricultural entomology. Emerging areas include invasive species, biodiversity, pollination ecology, forensics, global health, and genomics. Entomology is a very specific discipline, yet at the same time, an immensely broad and diverse field of study touching a wide array of other subjects. As such, entomological training provides many choices and opportunities for those interested in the diversity of nature. While some entomologists work in the field, others work in the laboratory or classroom.

Students majoring in entomology study in a variety of fundamental and applied fields. Graduates find employment in college and university

teaching, research and extension work, state and federal government service, industry, and research institutes.

Students can complete an undergraduate major in entomology or global health in the Entomology department.

Students interested in graduate work should consult the Graduate Guide (https://guide.wisc.edu/graduate/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Entomology, BS (p. 135)
- Global Health, BS (p. 140)
- Global Health, Certificate (p. 147)

ENTOMOLOGY, BS

Entomology is the study of insects, which have dominated the terrestrial planet for more than 350 million years. While entomologists have recognized and named more than one million different species of insects, experts vary widely on the true number of insect species – with estimates ranging from three million to 30 million unique species. At any given moment, 200+ million insects live for every human on Earth; over 70% of all animal species are insects. They have achieved something that has eluded humans – sustainable development. Insects are the primary consumers of plants, yet they are also the dominant pollinators, thus ensuring plant reproduction. They play a critical role in disease transmission yet the service they provide to ecological maintenance is unparalleled.

Entomologists conduct insect-based research in numerous areas ranging from general biology, natural history, systematics, ecology, and behavior, to molecular biology, physiology, and development, to medical and agricultural entomology. Emerging areas include invasive species, biodiversity, pollination ecology, forensics, global health, and genomics. Entomology is a very specific discipline, yet at the same time, an immensely broad and diverse field of study touching a wide array of other subjects. As such, entomological training provides many choices and opportunities for those interested in the diversity of nature. While some entomologists work in the field, others work in the laboratory, classroom, or museum settings.

Students majoring in entomology study in a variety of fundamental and applied fields. Graduates find employment in college and university teaching, community education, research and extension work, state and federal government service, industry, and research institutes.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Entomology students learn in many field and lab courses, including classes that focus on taxonomy, physiology, parasitology, insects and human culture, issues in global health, and medical entomology. Students can complete their capstone requirement as part of a summer field course. There are also numerous internships and research opportunities available both on and off campus.

BUILD COMMUNITY AND NETWORKS

The UW–Madison Entomology Department is committed to the UW System's (http://www.wisconsin.edu/campuses/) goal to provide Wisconsin's citizens with opportunities to benefit from and contribute to the state's growing "knowledge economy" through the land-grant university three-fold mission of teaching, research and public service.

In the spirit of The Wisconsin Idea (http://www.wisconsinidea.wisc.edu/), Entomology Department faculty and students fulfill the public service mission through entomology outreach engagement. Entomology Department interactions with the surrounding and statewide community encompass a wide range of insect and human affairs from human medical issues such as West Nile Virus and Lyme disease, to forest products and natural resources entomology, integrated pest management programs for agriculture, turf and ornamental and household settings, K-12 primary and secondary school education, and more.

CUSTOMIZE A PATH OF STUDY

Students are often able to customize their program of study by exploring a double major and/or undergraduate certificates based on their unique areas of interest. Both faculty and staff advisors are available to help students choose electives based on their educational and professional goals.

MAKE A STRONG START

Freshmen who are interested in Entomology are encouraged to participate in a First-Year Interest Group (https://figs.wisc.edu/what/) (FIG) program. During fall semesters, the department has historically offered a fascinating FIG titled "Global Biodiversity and the 6th Mass Extinction" where students explore what the immense richness of biodiversity means not only to the human species but to the very health of the planet. This program includes field trips, a museum experience, and other hands-on and experiential learning opportunities to bring concepts and classmates together for an eye-opening journey.

GAIN GLOBAL PERSPECTIVE

The Entomology major is a great choice for students who wish to participate in a study abroad experience. Students can choose from a multitude of destinations worldwide and can travel abroad during summer, spring, or fall terms. Students can explore studying abroad as an Entomology major by utilizing the Entomology Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None

Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics		9-11
Chemistry		5-9
Biology		10
Physics		3-5
Biological and Physical Science Electives		12
Entomology Core		15
Capstone		3
Total Credits		**57-65**

MATHEMATICS

Code	Title	Credits
Complete one of the following (or may be satisfied by placement exam):		
MATH 112 & MATH 113	College Algebra and Trigonometry	6
MATH 114	Precalculus	5
MATH 171	Calculus with Algebra and Trigonometry I	5
Complete one of the following:		
MATH 211	Survey of Calculus 1	4
MATH 217	Calculus with Algebra and Trigonometry II	5
MATH 221	Calculus and Analytic Geometry 1	5
STAT 371	Introductory Applied Statistics for the Life Sciences	3

CHEMISTRY

Complete one of the following:

Code	Title	Credits
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5

BIOLOGY

Complete one of the following options:

Code	Title	Credits
Option 1:		
BIOLOGY/BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	10
Option 2:		
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 & BIOLOGY/ BOTANY 130	Animal Biology and Animal Biology Laboratory and General Botany	10
Option 3:		
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	10

PHYSICS

Complete one of the following:

Code	Title	Credits
PHYSICS 103	General Physics	4
PHYSICS 107	The Ideas of Modern Physics	3
PHYSICS 109	Physics in the Arts	3
PHYSICS 115	Energy and Climate	3
PHYSICS 201	General Physics	5
PHYSICS 207	General Physics	5

BIOLOGICAL AND PHYSICAL SCIENCE ELECTIVES

Complete 12 additional credits from any biological or physical science course (at least 8 credits must be numbered 300-399 or 200-299 with the intermediate-level designation). Recommended courses are listed below.

Recommended Biological and Physical Science Electives

Code	Title	Credits
GENETICS 466	Principles of Genetics	3
CHEM 341	Elementary Organic Chemistry	3
CHEM 342	Elementary Organic Chemistry Laboratory	1
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
PHYSICS 104	General Physics	4
PHYSICS 202	General Physics	5
PHYSICS 208	General Physics	5
ENTOM (not used to meet other requirements), BOTANY, ZOOLOGY, FW ECOL, MICROBIO, or PL PATH.		

ENTOMOLOGY CORE

Code	Title	Credits
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
Subset Courses		11

Must complete at least 3 credits from at least two subsets (organismal, suborganismal, or applied). Courses may not double count in more than one subset. May complete up to 3 credits from the subset labeled "other." See course lists below.

Organismal

Code	Title	Credits
ENTOM 331	Taxonomy of Mature Insects	4
ENTOM 432	Taxonomy and Bionomics of Immature Insects	4
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 468	Studies in Field Entomology	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 490	Biodiversity and Global Change	3

Suborganismal

Code	Title	Credits
ENTOM 321	Physiology of Insects	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3-4
ENTOM/BOTANY/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3

Applied

Code	Title	Credits
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM/M M & I/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
ENTOM 450	Basic and Applied Insect Ecology	3

Other

Code	Title	Credits
ENTOM 375	Special Topics	1-4
ENTOM 399	Coordinative Internship/ Cooperative Education	1-8
ENTOM 681	Senior Honors Thesis	2-4
ENTOM 682	Senior Honors Thesis	2-4
ENTOM 691	Senior Thesis	2
ENTOM 699	Special Problems	1-4

CAPSTONE

ENTOM 468 Studies in Field Entomology is the recommended capstone course (can double count in Entomology Core). ENTOM 681 Senior Honors Thesis, ENTOM 682 Senior Honors Thesis, ENTOM 691 Senior Thesis, ENTOM 699 Special Problems can be substituted in special circumstances (and can double count up to 3 credits in Entomology Core Category); see advisor.

Code	Title	Credits
ENTOM 468	Studies in Field Entomology	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Define and explain major concepts in the biological sciences focusing on insects.
2. Knowledge of laboratory and/or field methodology.
3. Explain and apply scientific methods including designing and conducting experiments and testing hypotheses.
4. Recognize relationships between structure and function at all levels including molecular, cellular, organismal and ecological.
5. Demonstrate a style appropriate for communicating scientific results in written and oral form.
6. Integrate math, physics, and technology to answer biological questions using the scientific method.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE ENTOMOLOGY FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

First Year

Fall	Credits	Spring	Credits
Biology Option or General Chemistry	4-5	Biology Option or General Chemistry	5
COMM A Course	3	MATH 113	3
CALS First Year Seminar	1	Ethnic Studies	3
MATH 112	3	Humanities Breadth	3
Elective	3		
	14		**14**

Second Year

Fall	Credits	Spring	Credits
Biology Option or General Chemistry	4-5	Biology Option or General Chemistry	5
COMM B Course	3	Electives	7
MATH 221	5	Humanities Breadth	3
Elective	3		
	15		**15**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
ENTOM/ ZOOLOGY 302	4	Biological or Physical Science Elective	3	ENTOM 468	3
Physics Course	3-5	Breadth Course in Core	3		
Electives	7	CALS International Studies Requirement	3		
		Electives	6		
	14		**15**		**3**

Fourth Year

Fall	Credits	Spring	Credits
Biological or Physical Science Elective	3	Biological or Physical Science Electives	6
Breadth Course in Core	3	Breadth Course in Core	3
Electives	6	Electives	6
Social Science Breadth	3		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Undergraduate students are assigned to an Entomology undergraduate faculty advisor and academic staff advisor. However, since the vast majority of Entomology BS students conduct independent research during their undergraduate career, it is important to meet with other entomology faculty members (https://entomology.wisc.edu/people/faculty/) to learn about all of the research possibilities.

Undergraduates in Entomology are strongly urged to meet with their advisor before they enroll for the upcoming term. If you have questions about advising or declaring the major, please contact the academic advisor.

CAREER OPPORTUNITIES

Entomologists from all educational levels are able to seek employment in a variety of areas. Graduates find employment in college and university teaching, community education, research and extension work, state and federal government service, industry, and research institutes. Some examples include:

- college and universities
- biotechnology companies
- state and federal agencies
- international agricultural research centers
- nurseries, greenhouses, and garden centers
- non-governmental organizations
- golf courses, public parks, and landscape maintenance companies
- agricultural companies
- a variety of private consulting firms

For more information on careers available to Entomology students, please visit our Internship & Job Resources (https://entomology.wisc.edu/graduate-study/internships-and-job-resources/) page. For more information on other academic, co-curricular, financial aid, and career opportunities and services available to Entomology BS students, please visit the CALS Career Services (https://cals.wisc.edu/academics/undergraduate-students/career-services/) page. Students in the major are welcome to make an individual appointment with their advisor to discuss a number of career-related topics such as career exploration, search strategies, graduate school, and review of application materials (resume, CV, letters, etc.).

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

While entomology clearly is "big science," our department prides itself on a "small campus" feel in which we get to know our undergraduate students during their time with us.

In the classroom, we strive to maintain labs at not more than 15-20 students to maximize individualized and participatory learning. Students are given additional opportunities for deep and engaged learning experiences through honors options that are generally available for most courses and field and/or lab experiences in many of the upper-level courses.

INTERNSHIPS

Please visit our Internships & Job Resources (https://entomology.wisc.edu/graduate-study/internships-and-job-resources/) page for more information on the multitude of internship and employment opportunities available to Entomology students. Research and internship opportunities are also available in the UW Insect Research Collection (WIRC) (http://labs.russell.wisc.edu/wirc/), as well as possible participation in WIRC-sponsored collecting expeditions in Wisconsin and around the United States.

RESEARCH EXPERIENCE

Very nearly all our undergraduate students have opportunities to work alongside our faculty and graduate students in research labs and in the field. Our major accommodates 1–3 credits (of the 15 entomology credits required to major) in the area of directed/independent study and internships to promote extracurricular and outside the traditional classroom learning.

STUDENT ORGANIZATIONS

Undergraduate students are also involved in service learning and teaching through our departmental "Insect Ambassadors (https://entomology.wisc.edu/outreach/insect-ambassadors/)" outreach program to K–12, various clubs, and organizations. We are committed to the UW System goal to provide Wisconsin's citizens with opportunities to benefit from, and contribute to, the state's growing "knowledge economy" through the land-grant university three-fold mission of teaching, research, and public service. We also have an active Undergraduate Entomology Society for majors – or any UW–Madison students interested in entomology.

GLOBAL ENGAGEMENT

Entomology students are encouraged to participate in a study abroad experience. Students can find more information about study abroad on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

In the spirit of The Wisconsin Idea (http://www.wisconsinidea.wisc.edu/), Entomology Department faculty and students fulfill the public service mission through entomology outreach engagement. Entomology Department interactions with the surrounding and statewide community

encompass a wide range of insect and human affairs from human medical issues such as West Nile Virus and Lyme disease, to forest products and natural resources entomology, integrated pest management programs for agriculture, turf and ornamental and household settings, K-12 primary and secondary school education, and more. Please visit our Outreach (https://entomology.wisc.edu/outreach/) page for more information.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Department scholarships are available to Entomology students and fellowships are available to support research work with a professor. Please visit our Awards & Scholarships (https://entomology.wisc.edu/undergraduate-study/awards-scholarships/) page for additional details. Students across the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

GLOBAL HEALTH, BS

Global health is about improving health for everyone while considering the connections among people, animals, plants, and the planet. Students explore how human health intersects with economic development, healthcare access, food systems, environmental health, and climate change in order to address the root causes of disease around the world. The program helps students develop broad public health and planetary-scale perspectives that can be applied to community, state, national, and international health challenges.

Students in the Global Health Major study human health and well-being with an emphasis on empathy, cultural awareness, and collaborative approaches. The major combines bioscience and social science to provide students with foundational knowledge in disease biology, epidemiology, food systems, environmental health, and public health. Majors are encouraged to pursue their own areas of interest through coursework and by participating in field experiences, laboratory research, internships, and volunteer work.

The Global Health Major prepares students for a wide variety of careers. Students can become healthcare professionals well-informed about the systems that impact patient health. They can become epidemiologists or research scientists in academia or with government agencies, or community health professionals working on policy, education, or communication for governmental agencies or non-governmental organizations anywhere in the world. The program supports students who intend to go directly into the workforce after graduation, as well as those who plan to further their education through graduate or professional programs.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Students can apply their course learning to real life by participating in global health field experiences (https://globalhealth.cals.wisc.edu/about-the-certificate/field-experiences/), which provide opportunities to study and help mitigate real-world health challenges. Additionally, students gain experience through laboratory courses and through independent study in research labs that focus on health-related issues such as infectious diseases, environmental health, sustainable agriculture, and community engagement. Campus internship programs through the Wisconsin Area Health Education Centers (https://ahec.wisc.edu/), Center for Patient Partnerships (https://patientpartnerships.wisc.edu/), and Study Abroad (https://studyabroad.wisc.edu/intern-abroad/) are also options for global health majors.

BUILD COMMUNITY AND NETWORKS

Many advanced courses enroll 15-50 students allowing students to get to know faculty and instructors personally. Students also have opportunities to connect with other global health major and certificate students through classes, events, field experiences, and student organizations.

CUSTOMIZE A PATH OF STUDY

In addition to a set of core courses, students are encouraged to take classes to explore and identify their particular areas of interest within the broader field of global health. Students also tailor their major and Wisconsin Experience through global health field programs, laboratory research, capstone courses, internships, and volunteer work.

MAKE A STRONG START

A number of first-year seminar courses are available to help new students understand academic programs, access student services, and develop time management and study skills.

GAIN GLOBAL PERSPECTIVE

Global health students learn to take a broad, planetary-scale perspective, and apply it to challenges at community, state, national, and international levels. This big-picture perspective is interwoven through nearly all aspects of the Global Health Major, including classes, capstone experiences, lab opportunities, and internships. Global health field experiences, which range from one week to a full semester, expose students first-hand to complex global health challenges in diverse settings and give them the opportunity to learn from community members and practitioners who are working to address these issues. Students can explore studying abroad as a Global Health major by utilizing the Global Health Major Advising Page. Students work with their advisor and the CALS Study Abroad Office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.

Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students cannot earn both the Global Health certificate and the Global Health major. Additionally, students declared in the Global Health major cannot earn the Health and the Humanities certificate.

ADDITIONAL MAJOR IN GLOBAL HEALTH

Current UW-Madison students in other schools and colleges interested in completing an additional ("double") major in Global Health should consult with a global health advisor. Advisor contact information is found on the advising and careers tab.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Major Requirements Overview		
Fundamental Courses		29
Core Courses		15

Depth Courses	15
Capstone	3
Total Credits	**62**

FUNDAMENTAL COURSES

Code	Title	Credits
Fundamental Course Requirements		
Mathematics: complete one sequence (or satisfy through placement exam)		*5-6*
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Statistics: complete one course		*3*
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
General Chemistry: complete one sequence		*5-10*
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Introductory Biology: complete one sequence		*10*
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	
Global Health Introductory Social Sciences		*6-8*
Group A: complete one course (see list below)		
Group B: complete one course (see list below)		
Total Credits		**29-37**

Social Science Group A

Code	Title	Credits
AFROAMER 151	Introduction to Contemporary Afro-American Society	3
AMER IND 100	Introduction to American Indian Studies	3
ANTHRO 265	Introduction to Culture and Health	3
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS 103	Gender, Women, Bodies, and Health	3
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
SOC 134	Sociology of Race & Ethnicity in the United States	3-4
SOC 170	Population Problems	3-4

Social Science Group B

Code	Title	Credits
A A E 101	Introduction to Agricultural and Applied Economics	4
A A E/ENVIR ST 244	The Environment and the Global Economy	4
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
GEOG 101	Introduction to Human Geography	4
GEOG/ ENVIR ST 139	Global Environmental Issues	3
INTL ST 101	Introduction to International Studies	3-4
LSC 212	Introduction to Scientific Communication	3
LSC 251	Science, Media and Society	3
MED HIST/ ANTHRO 231	Introduction to Social Medicine	3
PHILOS 241	Introductory Ethics	3-4
POLI SCI 272	Introduction to Public Policy	3-4
RELIG ST 102	Exploring Religion in Sickness and Health	3

CORE COURSES

Code	Title	Credits
Global Health Core Course Requirements		
Gateway Core Requirement: complete one course		*3*
ENTOM/ ENVIR ST 205	Our Planet, Our Health	
Public Health Core Requirement: complete one course		*3*
POP HLTH/ C&E SOC 370	Introduction to Public Health	
ENTOM/ NUTR SCI 203	Introduction to Global Health	
Food Systems and Health Core Requirement: complete one course		*3*
AGROECOL 377	Global Food Production and Health	
PL PATH 311	Global Food Security	

Environmental Health Core Requirement: complete one course		*3-4*
A A E 352	Global Health: Economics, Natural Systems, and Policy	
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	
Global Disease Biology and Epidemiology Core Requirement: complete one course		*3*
MICROBIO 345	Introduction to Disease Biology	
NUTR SCI 379	Introduction to Epidemiology	
Total Credits		**15-16**

DEPTH COURSES

Complete a minimum of 15 credits of depth courses, with at least 9 credits from one category and at least 6 credits from the other categories. NUTR SCI/INTER-AG 421 Global Health Field Experience can count for a maximum of 3 credits in the additional 6 credits from this requirement. Note: Courses used as Depth courses cannot double count as either core or capstone courses.

Public Health, Policy, and Development Depth Electives

Code	Title	Credits
A A E/INTL ST 373	Globalization, Poverty and Development	3
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
COM ARTS 317	Rhetoric and Health	3
CSCS 410	Human Trafficking: Global and Local Perspectives	3
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	3
CSCS 500	Global Health and Communities: From Research to Praxis	3
DS 521	Environments of Crisis & Design	3
ECON/POP HLTH/ PUB AFFR 548	The Economics of Health Care	3-4
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEOG 307	International Migration, Health, and Human Rights	3
HISTORY/ INTL ST 330	Global History of Humanitarianism	3-4
HIST SCI 360	Health Inequalities in the Long 20th Century	3
I SY E 417	Health Systems Engineering	3
LEGAL ST 473	Health Impacts of Unmet Social Needs	3
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	3
LSC 625	Risk Communication	3
MED HIST/ PHILOS 505	Justice and Health Care	3
MED HIST/ HIST SCI 509	The Development of Public Health in America	3
MED HIST/ PHILOS 515	Public Health Ethics	3
MED HIST/ AFROAMER/ HIST SCI 523	Race, American Medicine and Public Health	3
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
MED HIST/HIST SCI/ HISTORY 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
NUTR SCI 379	Introduction to Epidemiology	3
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
POP HLTH/ HIST SCI/ MED HIST 553	International Health and Global Society	3
PUB AFFR 520	Inequality, Race and Public Policy	3
RELIG ST 475	Religion, Global and Public Health	3
SOC/C&E SOC 343	Sociology of Health and Medicine	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3

Food Systems and Nutrition Depth Electives

Code	Title	Credits
A A E 319	The International Agricultural Economy	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
AGROECOL 377	Global Food Production and Health	3
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
C&E SOC/SOC 341	Labor in Global Food Systems	3
DY SCI 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1

DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 473	International Field Study in Animal Agriculture and Sustainable Development	2
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
PLANTSCI 350	Plants and Human Wellbeing	2
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
MED HIST/ C&E SOC/ PHILOS 565	The Ethics of Modern Biotechnology	3
MICROBIO/ FOOD SCI 325	Food Microbiology	3
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
NUTR SCI 377	Cultural Aspects of Food and Nutrition	3
NUTR SCI 431	Nutrition in the Life Span	3
PL PATH 311	Global Food Security	3
SOIL SCI 301	General Soil Science	3

Ecosystem Sustainability and Planetary Health Depth Electives

Code	Title	Credits
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
A A E 352	Global Health: Economics, Natural Systems, and Policy	4
AGROECOL 370	Grassland Ecology	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/ ENVIR ST 337	Nature, Power and Society	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	3
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	3
M&ENVTOX/ CIV ENGR/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
POP HLTH/ ENVIR ST 502	Air Pollution and Human Health	3
SOIL SCI 323	Soil Biology	3
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 430	Soil Pollution and Human Health	3
URB R PL 550	Transportation and the Built Environment	3

Disease Biology Depth Electives

Code	Title	Credits
ANAT&PHY 335	Physiology	5
ANAT&PHY 435	Fundamentals of Human Physiology	5
AN SCI/DY SCI 320	Animal Health and Disease	3
BIOCHEM 301	Survey of Biochemistry	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCORE 485	Principles of Physiology	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCORE 486	Principles of Physiology Laboratory	2
BIOCORE 587	Biological Interactions	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
GENETICS 466	Principles of Genetics	3
GENETICS 548	The Genomic Revolution	3

GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 588	Immunogenetics	3
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
M M & I/ BIOCHEM 575	Biology of Viruses	2
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
MICROBIO 345	Introduction to Disease Biology	3
M&ENVTOX/ ONCOLOGY/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
M&ENVTOX/PATH/ PHM SCI/PHMCOL-M/POP HLTH 626	Toxicology II	3
PATH 404	Pathophysiologic Principles of Human Diseases	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PATH-BIO/ ENTOM/M M & I/ ZOOLOGY 350	Parasitology	3
SURG SCI/ F&W ECOL 548	Diseases of Wildlife	3

CAPSTONE

Code	Title	Credits
Global Health Capstone Requirement (complete one option)		**3**
ENTOM 570	Systems Thinking in Global Health	
BIOCORE 587	Biological Interactions	
C&E SOC/ SOC 533	Public Health in Rural & Urban Communities	
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	
CSCS 500	Global Health and Communities: From Research to Praxis	
DY SCI 471	Food Production Systems and Sustainability	
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Describe the current status of health, well-being and sustainability for humans and all life, the environment, and the planet.
2. Compare and contrast health and environmental conditions in the context of local settings and our state with national, international and global settings.
3. Quantify health challenges in terms of the global burden of disease, the human development index, and the metrics associated with the sustainable development goals and the planetary health boundaries.
4. Evaluate the strengths and weaknesses of contemporary initiatives and programs to improve global public health and sustainable systems.
5. Use socioeconomic and political frameworks to characterize health challenges and demonstrate social awareness.
6. Demonstrate interpersonal and communication skills necessary for teamwork and leadership, ethical conduct, cross-cultural collaboration and civic engagement.
7. Use a systems approach to analyze complex relationships related to creating conditions for healthy life, sustainability and survival and describe the challenges and opportunities related to sustainable systems and survival.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE GLOBAL HEALTH FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
Global Health Core Course	3	Global Health Core Course	3
CHEM 103	4	CHEM 104	5
MATH 113	3	LSC 100	3
CALS First Year Seminar	1	Social Science Category A or B	3-4
Elective	2	Elective	1
	13		**15-16**

Second Year

Fall	Credits	Spring	Credits
Global Health Core Course	3	Global Health Core Course	3
BIOLOGY/BOTANY/ ZOOLOGY 151	5	BIOLOGY/BOTANY/ ZOOLOGY 152	5
STAT 371	3	Social Science Category A or B	3-4
Ethnic Studies	3	Electives	4
	14		**15-16**

Third Year

Fall	Credits	Spring	Credits
Global Health Core Course	3	Global Health Depth Courses	6
Global Health Depth Course	3	Humanities	3
Electives	10	Electives	6
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
Global Health Depth Course	3	Global Health Depth Course	3
Global Health Capstone	3	Humanities	3
Electives	10	Electives	9
	16		**15**

Total Credits 119-121

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student is assigned an academic advisor who works to understand student goals and helps each student shape their unique Wisconsin Experience and make the most of their time at UW–Madison. Advisors also provide students career advising, as well as resources and guidance on planning for post-college activities such as graduate/professional school and "gap year" experiences.

Connect with Global Health Advisors (https://globalhealth.cals.wisc.edu/advising/)

CAREER OPPORTUNITIES

The knowledge and skills developed through the Global Health Major prepare students for success in a wide range of careers. Global health students are prepared to become physicians, nurses, researchers, public health officials, policy makers, data analysts, administrators, non-profit employees, educators, and communications specialists in fields related to public health, epidemiology, environmental health, and international development.

Examples of employers seeking individuals with global health training include international agencies (such as the World Health Organization); federal agencies (such as the Centers for Disease Control and Prevention); state and county health departments (such as the Wisconsin Department of Health Services); non-profit organizations (such as the Bill and Melinda Gates Foundation), hospitals; universities; research centers; and biotech companies.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

FIELD EXPERIENCES

Issues related to global health occur everywhere – at community, state, national, and international levels – and global health majors are strongly encouraged to participate in one of many field experience options (https://globalhealth.cals.wisc.edu/about-the-certificate/field-experiences/) to learn about and help mitigate these challenges. Field experiences can take place locally or internationally, and they range in length from one week to an entire semester. All options emphasize human health and sustainable systems and help provide students a more personal connection to what they are learning – whether in Kenosha or Kenya.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students have numerous volunteer activities to choose from related to health improvement. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESEARCH EXPERIENCE

Global health majors are encouraged to join research teams and laboratories, where they can get involved in health-related research on infectious diseases, environmental health, sustainable agriculture, and community engagement. Many students take advantage of such research opportunities (https://globalhealth.cals.wisc.edu/involvement/research/), receiving direct mentorship from professors, scientists, and graduate students.

STUDENT ORGANIZATIONS

There are numerous campus student organizations (https://globalhealth.cals.wisc.edu/involvement/student-orgs/) that global health majors can join to connect with students with similar interests. A full list of organizations is available on the Wisconsin Involvement Network website (https://win.wisc.edu/).

INTERNSHIPS

A number of campus internship programs are available that are a good fit for global health majors, including opportunities through the Wisconsin Area Health Education Centers (https://ahec.wisc.edu/), Center for Patient Partnerships (https://patientpartnerships.wisc.edu/), and Study Abroad (https://studyabroad.wisc.edu/intern-abroad/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually, including funding to help support Global Health Majors who participate in field experiences and study abroad. Students apply for these scholarships through a single application in the Wisconsin Scholarship Hub (WiSH). To learn more about college scholarships, please visit the CALS scholarship website (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

GLOBAL HEALTH, CERTIFICATE

The 15-credit certificate provides interdisciplinary perspectives on well-being, health inequities, and the root causes of global health challenges, and it is a great complement to many majors. The certificate is open to all UW–Madison undergraduate students and welcomes all who are passionate about improving the health of populations across the world.

Students build knowledge about the global burden of disease and threats to well-being and are able to identify parallels between local, domestic, and international health issues. Through coursework and field experiences, students learn about public and global health careers and build valuable cross-cultural communication skills.

CUSTOMIZE A PATH OF STUDY

The certificate curriculum is flexible including core courses, a diverse range of electives, and a credit-bearing field experience requirement, allowing students to enhance the connection between the certificate and their major field of study as desired. Students have added the certificate to more than 50 majors in Agricultural and Life Sciences, Letters & Science, Human Ecology, Education, Nursing, Engineering, and Business.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

A required field experience (https://globalhealth.cals.wisc.edu/about-the-certificate/field-experiences/) allows students to apply their coursework in a real-life setting where they examine global health issues and explore the connections among human, animal, plant, and environmental health alongside community members and health practitioners in Wisconsin, the U.S., and abroad.

GAIN GLOBAL PERSPECTIVE

Core courses provide students with a strong global and comparative framework for understanding complex health challenges, and faculty-led field experiences, whether international or within the U.S., allow students to learn about global health challenges from leading experts in the field.

BUILD COMMUNITY AND NETWORKS

Field experience courses provide opportunities for community-building and high-impact educational experiences in courses with fewer than 20 students. Many students also build connections and develop leadership skills through participation in the many student organizations (https://globalhealth.cals.wisc.edu/involvement/student-orgs/) on campus related to global health.

HOW TO GET IN

HOW TO GET IN

Undergraduate students from across campus are encouraged to consider completing the Certificate in Global Health. There are no prerequisites for declaring, and students pursuing the program are encouraged to declare as early as possible so that they can best align the coursework with their interests and plan their field experience.

Students can declare the program by scheduling an appointment with their assigned Global Health advisor, or by filling out the online declaration form on the program's website (https://globalhealth.cals.wisc.edu/about-the-certificate/declaring-the-certificate/).

Students declared in the certificate should plan to complete the program before or alongside their degree and major requirements, as they are not able to extend their time on campus to complete a certificate. Students declared in the Global Health major are not eligible to declare the certificate. Students may not declare both the Certificate in Global Health and the Health and the Humanities Certificate.

REQUIREMENTS

REQUIREMENTS

MINIMUM REQUIREMENTS

- Minimum grade of C in all certificate coursework
- At least 50% of certificate coursework taken in residence

Code	Title	Credits
Foundation Course Requirement		
NUTR SCI/ ENTOM 203	Introduction to Global Health	3
or ENTOM/ ENVIR ST 205	Our Planet, Our Health	
Core Course Requirement		
Complete one course from this list. Additional core courses can also be taken as elective courses, but a course cannot double count in both categories.		3-4
A A E 352	Global Health: Economics, Natural Systems, and Policy	
AGROECOL 377	Global Food Production and Health	
CSCS 500	Global Health and Communities: From Research to Praxis	
MICROBIO 345	Introduction to Disease Biology	
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	

NUTR SCI 379	Introduction to Epidemiology	
PL PATH 311	Global Food Security	
POP HLTH/ C&E SOC 370	Introduction to Public Health	
Field Experience		
Field experiences are a central component of the certificate program, and range in length from one week to an entire semester. Students are encouraged to complete the field experience prior to their senior year, and should consult the program website for complete information on different field experience programs and courses. [1]		1-4
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
LEGAL ST 473	Health Impacts of Unmet Social Needs (Note: this course course requires an application prior to enrollment.)	
NURSING 436	Health and Illness Concepts with Individuals, Families, and Communities: Experiential Learning (Note: only open to Nursing students.)	
NUTR SCI/INTER-AG 421	Global Health Field Experience (Note: this is a topics course used for study abroad field experience programs as well as some local courses. Many field experiences require applications prior to enrollment, and students should consult the program website for complete information.) [1]	
Electives		
Select from electives list (see below) to reach a minimum of 15 credits total for the certificate.		4-8
Total Credits		**15**

[1] Students are advised to consult the program website (https://education.ghi.wisc.edu/undergraduate-certificate-in-global-health/curriculum/undergraduate-field-experiences/) for additional information on field experience programs and courses.

GLOBAL HEALTH ELECTIVE LIST GROUPED BY THEMATIC AREA

Public and Community Health

Code	Title	Credits
ANTHRO 365	Medical Anthropology	3
C&E SOC/SOC 532	Health Care Issues for Individuals, Families and Society	3
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
COM ARTS 317	Rhetoric and Health	3
COM ARTS/JOURN/ LSC 617	Health Communication in the Information Age	3
CSCS 500	Global Health and Communities: From Research to Praxis	3
ECON/POP HLTH/ PUB AFFR 548	The Economics of Health Care	3-4
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)	3
I SY E 417	Health Systems Engineering	3
KINES 355	Socio-Cultural Aspects of Physical Activity	3
LSC 515	Social Marketing Campaigns in Science, Health and the Environment	3
LSC 625	Risk Communication	3
MED HIST/ HIST SCI 212	Bodies, Diseases, and Healers: An Introduction to the History of Medicine	3
MED HIST/ PHILOS 505	Justice and Health Care	3
MED HIST/ HIST SCI 509	The Development of Public Health in America	3
MED HIST/ PHILOS 515	Public Health Ethics	3
MED HIST/HIST SCI/ POP HLTH 553	International Health and Global Society	3
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
MED HIST/HIST SCI/ HISTORY 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
NURSING/ S&A PHM/ SOC WORK 105	Health Care Systems: Interdisciplinary Approach	2
NUTR SCI 379	Introduction to Epidemiology	3
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
RELIG ST 102	Exploring Religion in Sickness and Health	3
RELIG ST 475	Religion, Global and Public Health	3
SOC WORK 206	Introduction to Social Policy	4
SOC WORK 646	Child Abuse and Neglect	2

Social Determinants and Well-Being

Code	Title	Credits
ANTHRO 265	Introduction to Culture and Health	3
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
C&E SOC/ AMER IND/SOC 578	Poverty and Place	3
CSCS 410	Human Trafficking: Global and Local Perspectives	3
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	3
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS 103	Gender, Women, Bodies, and Health	3

GEN&WS/ PSYCH 522	Psychology of Women and Gender	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEOG 307	International Migration, Health, and Human Rights	3
HDFS/ CNSR SCI 465	Families & Poverty	3
HIST SCI 360	Health Inequalities in the Long 20th Century	3
KINES 353	Health and Physical Education in a Multicultural Society	3
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
PUB AFFR 520	Inequality, Race and Public Policy	3
RELIG ST 102	Exploring Religion in Sickness and Health	3
SOC 170	Population Problems	3-4
SOC/C&E SOC 343	Sociology of Health and Medicine	3

Globalization and Development

Code	Title	Credits
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 630	Sociology of Developing Societies/ Third World	3
DS 341	Design Thinking for Transformation	3
DS 521	Environments of Crisis & Design	3
DS 527	Global Artisans	3
ECON 448	Human Resources and Economic Growth	3-4
GEN&WS 525	Gender and Global Health in Critical Perspective	3
HISTORY/ INTL ST 330	Global History of Humanitarianism	3-4
INTL ST 101	Introduction to International Studies	3-4

Agriculture, Food Systems, and Nutrition

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
BOTANY 240	Plants and Humans	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/SOC 341	Labor in Global Food Systems	3
DY SCI 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
PLANTSCI 350	Plants and Human Wellbeing	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
NUTR SCI 132	Nutrition Today	3
or NUTR SCI 332	Human Nutritional Needs	
NUTR SCI 377	Cultural Aspects of Food and Nutrition	3
NUTR SCI/ BIOCHEM 510	Nutritional Biochemistry and Metabolism	3
PL PATH/ BOTANY 123	Plants, Parasites, and People	3
PL PATH 311	Global Food Security	3

Environmental Health and Sustainability

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
A A E 352	Global Health: Economics, Natural Systems, and Policy	4
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
ENTOM 490	Biodiversity and Global Change	3
GEOG/ ENVIR ST 139	Global Environmental Issues	3
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
POP HLTH/ ENVIR ST 502	Air Pollution and Human Health	3
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	3
SOIL SCI 430	Soil Pollution and Human Health	3
URB R PL 550	Transportation and the Built Environment	3

Disease Biology

Code	Title	Credits
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MICROBIO 345	Introduction to Disease Biology	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PATH/PATH-BIO 210	HIV: Sex, Society and Science	3
PATH 404	Pathophysiologic Principles of Human Diseases	3
PHM SCI 310	Drugs and Their Actions	2

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and articulate the global burden of disease, opportunities and threats to well-being, and the root causes and possible solutions to these challenges.
2. Demonstrate a holistic and critical perspective on human health and well-being.
3. Utilize global frameworks for policy development and action for improved health, well-being, and equity.
4. Identify local, national and international health issues, and the connections between these challenges.
5. Engage and communicate respectfully with diverse colleagues and local partners.
6. Reflect and demonstrate self-awareness, humility, and empathy toward multiple cultural perspectives and knowledge.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each certificate student is assigned an advisor who works to understand student goals and helps each student shape their path through the certificate. Advisors also provide students with advising around options to fulfill the field experience requirement and post-graduation plans such as "gap year" opportunities, jobs, fellowships, and graduate school.

Connect with Global Health Advisors (https://globalhealth.cals.wisc.edu/advising/)

CAREER OPPORTUNITIES

Many graduates connect their major and certificate studies to best match employers looking for a global health perspective. Areas for future careers are extremely varied, but include healthcare professions, public health and epidemiology, research, policy, education, health communications, environmental health, and international development.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Local or international internships may be part of students' field experience requirement. Examples include: Community Health Internship Program with the Wisconsin Areas Health Education Centers (https://ahec.wisc.edu/); Resource Navigator Internship Program with the Center for Patient Partnerships (https://patientpartnerships.wisc.edu/); Wisconsin in Washington Internship Program (https://studyabroad.wisc.edu/uwindc/); and internships through the International Internship Program (https://internships.international.wisc.edu/).

GLOBAL ENGAGEMENT

Immersive field experiences (https://globalhealth.cals.wisc.edu/about-the-certificate/field-experiences/) are a hallmark of the certificate program and include both local and international opportunities. Local field experiences are offered in Madison and throughout Wisconsin. International field experiences are offered across the globe: Mexico, Costa Rica, Ecuador, Tanzania, Ghana, Uganda, Sri Lanka, India, Nepal, Thailand, Japan, Austria and Italy.

RESEARCH EXPERIENCE

Many students pursuing the certificate choose to be involved in research (https://globalhealth.cals.wisc.edu/involvement/research/) and are mentored by leading researchers in global health. Examples include: studying the effects of climate change on human and ecosystem health; researching ways to prevent Lyme disease spread by ticks; examining how women's empowerment leads to better health outcomes; or investigating methods to evaluate population vitamin A status which informs global health policy.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Several student organizations (https://globalhealth.cals.wisc.edu/involvement/student-orgs/) on campus are related to global health. These organizations can be a great way to connect with other students with similar interests, network, get involved in the local community (https://globalhealth.cals.wisc.edu/involvement/community-engagement/), and learn more about global health or other similar topics. Examples include Slow Food, Community Health Volunteers of Madison, and Partners in Health Engage.

FOOD SCIENCE

Food science is the application of science and engineering to the production, processing, distribution, preparation, and evaluation of food.

The Department of Food Science at the University of Wisconsin–Madison has been a part of the College of Agricultural and Life Sciences for more than 100 years, instructing generations of food science and industry leaders. Housed in the recently remodeled Babcock Hall, the Department of Food Science offers students a unique undergraduate and graduate experience. Known for our distinguished and dedicated faculty and staff, students find the Department of Food Science a stimulating and encouraging environment to study and conduct research.

The Department of Food Science's undergraduate program offers students valuable real-world experience and leadership skills by providing an innovative curriculum; various club and extracurricular activities; research lab opportunities; access to a fully functional and award-winning dairy plant; professional and industry contacts and experience; numerous internships and scholarships, and nearly 100% job placement.

Students find career opportunities in product development, quality assurance/control, processing and engineering, technical sales, management, research, sensory analysis, and food law and regulations.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Fermented Foods and Beverages, Certificate (p. 151)
- Food Science, BS (p. 153)

FERMENTED FOODS AND BEVERAGES, CERTIFICATE

The Certificate in Fermented Foods and Beverages is open to all UW-Madison undergraduates, providing the opportunity to develop skills and knowledge in the science, development, production, and marketing of fermented foods and beverages. The program introduces all students to the theoretical and practical aspects of food and beverage fermentation through required introductory coursework. Experiential learning courses emphasize an exciting, hands-on approach to learning. Beer, wine, spirits, sourdough, kimchi, sauerkraut, cheese, and yogurt are among the food products explored in required coursework. The certificate also allows students to engage with cutting-edge developments in the use of precision fermentation for food and non-food applications. Students interested in finding solutions to global environmental challenges can examine the role of fermentation in the development of sustainable feedstocks, renewable materials, and biofuels.

While all students will receive a foundation in the science of fermentation, the certificate allows students to personalize their coursework to explore their own interests and advance individual career goals. Students can choose to deepen their scientific knowledge with a focus on chemistry, genetics, or microbiology or enhance their business acumen with a focus on marketing, supply chains, or management.

HOW TO GET IN

HOW TO GET IN

Undergraduate students in any major or college may earn this certificate. There are no prerequisites for declaring the certificate; however, there may be prerequisites for individual courses in the certificate. Students will be informed of these prerequisites through Guide and advised to fulfill those requirements. Students pursuing the program are encouraged to declare as early as possible so that they can best align the coursework with their interests and plan their field experience.

Students wishing to declare the Certificate in Fermented Food and Beverages should meet with one of the advisors (listed in the Contact Information box) to declare the certificate.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Certificate Requirements		
Core		5
Experiential Learning		1-2
Electives		6
Total Credits		**12-13**

CORE

Complete the following courses:

Code	Title	Credits
FOOD SCI 150	Fermented Food and Beverages: Science, Art and Health	3
FOOD SCI 550	Fermented Foods and Beverages	2

EXPERIENTIAL LEARNING

Complete one of the following courses:

Code	Title	Credits
FOOD SCI 551	Food Fermentation Laboratory	1
FOOD SCI 378	Precision Fermentation for Sustainable Foods and Products	2

ELECTIVES

Complete at least 6 credits from one of the following two thematic areas:

Business Theme

Code	Title	Credits
A A E 246	Climate Change Economics and Policy	3
A A E/C&E SOC/ SOC 340	Issues in Food Systems	3-4
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
A A E 335	Introduction to Data Analysis using Spreadsheets	2
FOOD SCI/ AN SCI 321	Food Laws and Regulations	1
SOC/C&E SOC 222	Food, Culture, and Society	3
A A E 101	Introduction to Agricultural and Applied Economics	4
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
A A E 320	Agricultural Systems Management	3

A A E 322	Commodity Markets	4
LSC 270	Marketing Communication for the Sciences	3
LSC 435	Brand Strategy for the Sciences	3
A A E 419	Agricultural Finance	3
A A E 422	Food Systems and Supply Chains	3
A A E/ECON 421	Economic Decision Analysis	4

Science Theme

Code	Title	Credits
FOOD SCI/ MICROBIO 325	Food Microbiology	3
FOOD SCI 410	Food Chemistry	3
FOOD SCI 301	Introduction to the Science and Technology of Food	3
MICROBIO 101	General Microbiology	3
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 526	Physiology of Microorganisms	3
BIOCHEM 301	Survey of Biochemistry	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	5
ZOOLOGY 153	Introductory Biology	3
PLANTSCI 230	Wines and Vines of the World	2
PLANTSCI 340	Plant Genome Engineering and Editing	3
SOIL SCI 211	Soils and Climate Change	2
AGROECOL 377	Global Food Production and Health	3
DY SCI 471	Food Production Systems and Sustainability	3
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
AN SCI 366	Concepts in Genomics	3
AN SCI 420	Microbiomes of Animal Systems	3
DY SCI 471	Food Production Systems and Sustainability	3
BSE 249	Engineering Principles for Biological Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
M E 331	Computer-Aided Engineering	3
M E 361	Thermodynamics	3
M E 363	Fluid Dynamics	3
M E 364	Elementary Heat Transfer	3
CBE 250	Process Synthesis	3
CBE 310	Chemical Process Thermodynamics	3
CBE 426	Mass Transfer Operations	3
COMP SCI 540	Introduction to Artificial Intelligence	3
COMP SCI 571	Building User Interfaces	3

Additional Requirements:

- 2.000 GPA in certificate courses.
- At least 50% of certificate courses taken in-residence (i.e. at UW-Madison or through a UW-Madison sponsored study abroad program.)
- Courses taken on a pass/fail (satisfactory/unsatisfactory) basis will not count toward the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Design and produce fermented foods and/or beverages that meet specified quality standards.
2. Discuss the general characteristics of fermentative organisms and the role of metabolic engineering in precision fermentation.
3. Describe the wider sustainability features of fermentation and its emerging role in decarbonizing the economy and addressing climate change
4. Describe the concepts of branding, business management, and labeling that are relevant to marketing fermented foods and beverages.
5. Identify the components and roles of information technology and computer interfaces in largescale traditional and precision fermentative processes.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is essential for student success in the Fermented Foods and Beverages Certificate. There are many individual pathways through the certificate allowing students to explore their interests and individual educational goals. Students are encouraged to meet with a Certificate Advisor to ensure that they are enrolled in appropriate coursework to complete certificate requirements on time as well as to become aware of new opportunities and events within the certificate program.

Please contact the certificate advisor listed in the contact box with questions or to set up an advising appointment.

CAREERS

Careers that support the fermentation industry are numerous and varied in focus and discipline. The Certificate in Fermented Foods and Beverages prepares all students to have a foundational knowledge to enter the fermentation industry from a variety of career entry points. Students may seek business or marketing-oriented careers in the food and beverage industry or leverage their knowledge of fermentation to pursue a career

in scientific research or product development. Others may go on to post-secondary work in the field.

An interest in fermentation can lead to many different careers. Students are encouraged to begin the career exploration process early in their UW-Madison journey by working with advisors, faculty, and CALS Career Services. These resources can help students reflect on their values, identify career goals, and outline strategies to achieve them.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Opportunities to apply classroom learning to real-world experiences are integral to the Certificate in Fermented Foods and Beverages. Connections with local brewers, cheesemakers, winemakers, bakers, engineering firms, and entrepreneurs ranging from small to large-scale operations, allow students to learn from local experts and apply their knowledge to help industries solve problems. Students are able to benefit from the rich history of Wisconsin in the fermented food and beverage industry while exploring the latest developments in the field such as precision fermentation.

Our instructors as well as our industry and campus partners encourage curiosity and exploration by allowing students to experiment with ingredients such as wild yeasts and winter hardy grapes as well as future-focused biotechnological advancements. Students can see their work make an immediate contribution to food and beverage products that are launched into the Wisconsin marketplace and economy. These experiences and connections create a lasting impact on students in their post-graduate studies and/or careers.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Financial support such as scholarships, part-time employment, paid internships, and work-study programs is available to qualified undergraduate students enrolled in the certificate. We express our appreciation to Leinenkugel family in support of fermentation programming. Students with a primary major in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually.

FOOD SCIENCE, BS

The study of food science incorporates real-life aspects of chemistry, physics, microbiology, and engineering to solve today's global and local food problems. The curriculum emphasizes high-level technical competence while instilling communication, critical thinking, and problem-solving skills, with a focus on sustainability and health.

Housed in Babcock Hall, the food science major offers close contact with faculty and instructors, opportunities to conduct research, skill-building extracurricular activities, networking with industry professionals, and access to the modern Food Application Lab and a commercial dairy processing plant that manufactures the campus' famous Babcock ice cream.

With a nearly 100% job placement rate, graduates are equipped to compete and succeed in a modern global economy. Students find career opportunities with corporations, government agencies, and nonprofits in product development, quality assurance/control, processing and engineering, technical sales, management, research, sensory analysis, and food law and regulations.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCE

Hands-on, practical learning is essential to the program, and laboratory courses are included at every level. Most courses use real food examples to teach principles. A capstone course allows students to apply knowledge from earlier coursework to conduct a lab-based research project and analyze and present their findings. Students are encouraged to pursue internships to gain additional experience; many complete more than one before graduation. Some gain practical experience by working in the Babcock Dairy Plant, making consumer dairy products sold on campus. Others participate in undergraduate research projects on food quality, microbiology, chemistry, and food and health.

BUILD COMMUNITY AND NETWORKS

Faculty teach courses at every level and are on a first-name basis with students. The Food Science Club student organization is active and provides students with leadership opportunities and connections to alums and industry professionals. Additionally, more than 50 companies recruit students annually, providing many links to professionals and job opportunities.

CUSTOMIZE A PATH OF STUDY

Students can select from lab-based elective courses focused on dairy, candy, meat, or fermented foods. The program also offers students the option to participate in honors in research and the flexibility to complete a variety of certificates.

MAKE A STRONG START

A course for first-year students, FOOD SCI 120, focuses on discovering food science and includes study skills, on-campus networking, resume writing, job interview skills, and learning from alums about career options.

GAIN GLOBAL PERSPECTIVE

Study abroad is encouraged and students can use the program's roadmap to take advantage of summer and winter break study abroad opportunities or even a semester abroad with careful planning. Students can explore studying abroad as a Food Science major by utilizing the Food Science Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.

Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

NUTR SCI/A A E 350 World Hunger and Malnutrition is recommended to fulfill the CALS international studies requirement.

Code	Title	Credits
Mathematics and Statistics		
This major requires calculus. Prerequisites may need to taken before enrollment in calculus.		
Complete one of the following:		5
MATH 217	Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Complete one of the following:		3
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
General Chemistry		
Complete one of the following:		5-9

CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
Physics		
Complete one of the following:		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
Biology		
Introductory Biology		
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
Fundamental Biological Sciences		
MICROBIO 101	General Microbiology	3
or MICROBIO 303	Biology of Microorganisms	
MICROBIO 102	General Microbiology Laboratory	2
or MICROBIO 304	Biology of Microorganisms Laboratory	
BIOCHEM 501	Introduction to Biochemistry	3
Nutritional Science		
NUTR SCI/ BIOCHEM 510	Nutritional Biochemistry and Metabolism	3
or NUTR SCI 332	Human Nutritional Needs	
Core		
FOOD SCI 301	Introduction to the Science and Technology of Food	3
AN SCI/FOOD SCI 321	Food Laws and Regulations	1
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
FOOD SCI 410	Food Chemistry	3
FOOD SCI 412	Food Analysis	4
FOOD SCI 432	Principles of Food Preservation	3
FOOD SCI 440	Principles of Food Engineering	3
FOOD SCI 514	Integrated Food Functionality	4
FOOD SCI 532	Integrated Food Manufacturing	4
Integrated Food Product Elective		
Complete one of the following (2 credits minimum):		2
FOOD SCI 511	Chemistry and Technology of Dairy Products	
FOOD SCI/ AN SCI 515	Commercial Meat Processing	
FOOD SCI 535	Confectionery Science and Technology	
Capstone		
FOOD SCI 602	Senior Project	2
FOOD SCI 603	Senior Seminar	1
Total Credits		**71-76**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Clearly and effectively communicate, both verbally and written, to a diverse range of audiences including technical experts and a lay audience.
2. Apply quantitative problem solving and critical thinking skills in all aspects of food science.
3. Rigorously apply scientific principles and quantitative reasoning to solve food science problems (technical competence).
4. Demonstrate the ability to work both independently and in groups across a wide range of situations.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests. Students must complete a minimum of 120 credits. This may require taking 16 credits per semester for at least four semesters.

SAMPLE FOOD SCIENCE FOUR-YEAR PLAN

First Year			
Fall	**Credits**	**Spring**	**Credits**
CHEM 103 or 109[1]	4	CHEM 104[1]	5
MATH 221	5	BIOLOGY/BOTANY/ ZOOLOGY 151	5
Communications A requirement (COMM-A)[2]	3	FOOD SCI 201 (recommended)	1
CALS First-Year Seminar	1	Ethnic Studies	3
	13		**14**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	STAT 371 or 301	3
FOOD SCI 301	3	PHYSICS 103, 201, or 207	4
MICROBIO 101 & MICROBIO 102	5	Elective	3
CALS International Studies	3	General Education Course	3
	14		**13**

Third Year

Fall	Credits	Spring	Credits
BIOCHEM 501	3	NUTR SCI 332 or 510	3
FOOD SCI 440	3	FOOD SCI/AN SCI 321	1
FOOD SCI 410	3	FOOD SCI 432	3
MICROBIO/ FOOD SCI 324 & MICROBIO/ FOOD SCI 325	5	FOOD SCI 412	4
General Education Course[3]	3	General Education Course	3
		Integrated Food Product Elective[4]	1-3
	17		**17**

Fourth Year

Fall	Credits	Spring	Credits
FOOD SCI 532	4	FOOD SCI 514	4
FOOD SCI 602	2	FOOD SCI 603[2]	1
General Education Course	3	Elective	3-5
Integrated Food Product Elective[4]	1-3	General Education Course	3
Elective	3-5	Integrated Food Product Elective[4]	1-3
	17		**15**

Total Credits 120

1. Students taking CHEM 109 do not take CHEM 104.
2. Note that the communications B requirement is met through FOOD SCI 602 Senior Project & FOOD SCI 603 Senior Seminar
3. Students may choose to complete a general education course requirement this semester. Note: Enrolling in 17 credits this semester is not recommended.
4. Students are required to take at least one integrated food product elective course; students may choose to meet the integrated food product elective requirement during this semester.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

All students are assigned a faculty advisor, who they will come to know on a first-name basis, once they declare the major. Advisors are prepared to help with curricular planning and course access; major and degree questions; discussion of independent study and lab research experience; and navigating internship and scholarship opportunities. Declared food science majors must meet with their assigned advisor each semester before enrolling in coursework. Additional information can be found on the department's website listed in the Contact Information Box.

Prospective food science majors should contact the Department of Food Science for more information (see the Contact Information Box).

CAREER OPPORTUNITIES

More than 50 organizations recruit students each year, and nearly all food science majors receive a job offer before graduation. Careers include working in product development, quality assurance/control, processing and engineering, technical sales, management, research, sensory analysis, and food law and regulations for corporations, nonprofits, and government agencies. Faculty advisors and course assignments help prepare students to write resumes, interview for jobs, and network with professionals in the field.

GRADUATE STUDY

Students considering post-graduate study should consult with their advisor and review the admissions requirements for graduate programs of interest. Post-graduate study may require preparatory coursework beyond the food science major requirements.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

The Food Science Club organizes many programs, including mentoring first-year students, organizing company visits and tours, monthly socials, K-12 educational outreach, a food and health initiative, and a food systems initiative. Club meetings usually include presentations by companies and include food. Faculty advise the club, and activities are coordinated with coursework.

COMPETITIVE TEAMS

The Food Science Club coordinates many competitions. Each year, there are several different product development competitions, which are very popular with students. There is also a College Bowl, which is a food science trivia competition, and a dairy judging team that competes regionally and nationally.

INTERNSHIPS

Advisors encourage students to pursue internships with one of the dozens of companies connected to the program. Most students complete at least one internship before graduation, but some complete as many as three. Students spend their summers at companies that include General Mills, Pepsico, Kraft-Heinz, Organic Valley, Danone, Agropur, Schreiber Cheese, Lindt Chocolate, and many more. These internships are generally paid, and many have lodging subsidies.

Students can also gain experience in several campus centers and programs focused on food, including the Babcock Dairy Plant, Center for Dairy Research, Food Research Institute, or Bucky's Varsity Meats.

RESEARCH EXPERIENCE

First-year students are encouraged to pursue research experiences in faculty labs to get involved. Undergraduates can participate for credit through independent study or work for pay. Students working in faculty

labs have been co-authors of scientific publications in food science and nutrition journals.

GLOBAL ENGAGEMENT

With advance planning, students can study abroad and complete the degree in four years. Opportunities include France, the Netherlands, and Australia. Read more about study abroad as a food science major. (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/food-science/)

COMMUNITY ENGAGEMENT AND VOLUNTEERING

The Food Science Club organizes various volunteer activities. These have included dinners at the Ronald McDonald House, working with food pantries, and reducing food waste.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships.

Food science students are additionally eligible for approximately $50,000-60,000 in annual scholarships. Well-qualified students receive awards ranging from $1,000-$3,000.

RESOURCES

Babcock Dairy Plant: Want practical experience in a fully operational dairy plant? Consider signing up for part-time work in the Babcock Dairy Plant to gain experience in a wide range of practical jobs, from quality control to production.

Babcock Hall Food Application Lab: This lab has 11 culinary workstations, food service equipment, and other amenities needed to prepare food at both small and food service scales.

Center for Dairy Research (CDR): Also within Babcock Hall is the internationally-renowned Center for Dairy Research. Students can conduct research, work in the analytical labs, or participate in the CDR Sensory Panel to gain invaluable practical experience.

Food Research Institute (FRI): Housed in the Microbial Sciences Building, FRI conducts industry-oriented research on various food safety topics.

Bucky's Varsity Meats: Interested in meat science? The meat processing facilities within the Department of Animal and Dairy Sciences apply many food science principles and provide a unique opportunity for students to get hands-on experience with all aspects of meat production.

FOREST AND WILDLIFE ECOLOGY

The Department of Forest and Wildlife Ecology provides science-based teaching that prepares future natural resource professionals to sustainably manage and conserve forests and wildlife. Building on the rich traditions of Aldo Leopold (the department's first chair), we offer students an interdisciplinary environment to learn about the natural world, apply science to management toward sustainable ecological systems, and understand complex human-environment relationships. We offer two undergraduate majors — Forest Science and Wildlife Ecology — that provide opportunities for employment in the public, private, and non-governmental sectors. Students can also gain a strong foundation for graduate training in forestry, wildlife, ecology, and related fields. The Forest Science program is accredited by the Society of American Foresters. The Wildlife Ecology major provides a path to becoming a certified wildlife biologist. Both degrees provide a mix of field, lab, and classroom experiences.

The department also offers graduate programs at the MS and PhD levels. See the Graduate Guide (https://guide.wisc.edu/graduate/) for additional information.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Forest Science, BS (p. 157)
- Wildlife Ecology, BS (p. 164)

FOREST SCIENCE, BS

Forests cover one-third of Earth and nearly half of Wisconsin. They provide diverse habitat, wood and fiber, clean water, carbon storage, recreation, beauty, and connections to many cultures. Forest managers and scientists work largely outdoors to conserve and manage forest resources and respond to disturbances from insects, diseases, wildfire, fragmentation, deforestation, and other changes. They also use technology to map and inventory forests.

Students in forest science learn the skills needed for many career paths through a mix of classroom, laboratory, and field instruction. They make frequent visits to forests and engage in professional and student-led trainings and networking. Students have flexibility to customize their learning experience through a variety of different elective options.

The department offers excellent teaching, research, and computing facilities. Classes are sized to ensure that undergraduates receive individual attention. Each student has a faculty adviser, and many students gain experience assisting faculty with research projects.

Students go on to work as foresters, park rangers, conservation scientists, educators, researchers, environmental planners, arborists, and more. Graduates of the program also pursue graduate training in forestry, ecology, natural resource policy, or environmental law. Forest science has an excellent job placement track record.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Forest science students learn in many field and laboratory courses, putting their knowledge to work in outdoor, everyday circumstances. They also participate in a variety of opportunities beyond campus, including a three-week introduction to forest ecosystems in northern Wisconsin and summer research opportunities. All forest science undergraduates are required to

complete an internship, often with a federal, state, or local government agency, an environmental nonprofit organization, timber industry firm, or environmental consultant.

BUILD COMMUNITY AND NETWORKS

Students can join a competitive quiz bowl team and the Forestry Club (https://www.facebook.com/WUMadisonForestryClub/), UW–Madison's Student Chapter of the Society of American Foresters. Students can attend a national foresters conference and take part in trainings for prescribed burns, chainsaw use, and tree identification. Forest science undergraduates also have opportunities to work with local schools to help kids understand the forests around them.

CUSTOMIZE A PATH OF STUDY

Forest science students select from a large variety of classes to fit their career goals. Students can customize their learning experience and choose electives in focus areas such as forest conservation, forests and the environment, and forest management. In consultation with advisors, students will choose electives in alignment with their unique professional interests. The program meets accreditation standards of the Society of American Foresters, a key credential for many jobs.

MAKE A STRONG START

Students can take introductory courses that focus on forest science and the department's curriculum. One course explores forests of the world, as well as threats to forests, their roles in climate change, and strategies to conserve and manage them.

GAIN GLOBAL PERSPECTIVE

Forest science students are encouraged to complete study abroad experiences. Students can explore studying abroad as a Forest Science major utilizing the Forest Science Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/forest-science/). Students work with their advisor and the CALS study abroad office (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/) to identify appropriate programs. The department also offers an international course focused on the extinction of species.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly,

courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics		5-6
Statistics		3
Chemistry		4-5
Biology		10
Wildlife Ecology		3
Core		38-39
Major Electives		12
Capstone		3
Additional credits required to meet University General Education and College specific requirements		42
Total Credits		**120**

MATHEMATICS

Complete one of the following (or may be satisfied by placement exam):

Code	Title	Credits
MATH 112 & MATH 113	College Algebra and Trigonometry	6
MATH 114	Precalculus	5

STATISTICS

Complete one of the following:

Code	Title	Credits
STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3

CHEMISTRY

Complete one of the following:

Code	Title	Credits
CHEM 103	General Chemistry I	4
CHEM 108	Chemistry in Our World	5
CHEM 109	Advanced General Chemistry	5

BIOLOGY

Complete one of the following sequences:

Code	Title	Credits
BIOLOGY/ BOTANY 130 & BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	General Botany and Animal Biology and Animal Biology Laboratory	10
BIOLOGY/BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	10
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	10

WILDLIFE ECOLOGY

Complete one of the following courses. Courses completed beyond the requirement may count as major electives.

Code	Title	Credits
F&W ECOL 110	Living with Wildlife - Animals, Habitats, and Human Interactions	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 379	Principles of Wildlife Management	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3

CORE

Complete all of the following courses. A grade of C or better is required in each core course. Students who receive a grade of D or below will be required to retake the course to qualify for graduation.

Code	Title	Credits
SOIL SCI 301	General Soil Science	3
or SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
F&W ECOL 300	Forest Measurements	4
BOTANY/F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
F&W ECOL 395	Data and GIS Tools for Ecology	3-4

or GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
or F&W ECOL/ ENVIR ST/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
F&W ECOL 305	Forest Operations	2
F&W ECOL 390	Learning to Action: Professional Development	1
F&W ECOL 410 & F&W ECOL 411	Principles of Silviculture and Practices of Silviculture	4
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
F&W ECOL 448 & F&W ECOL 449 & F&W ECOL 450	Disturbance Ecology and Disturbance Ecology Lab (I): Herbivores and Fire and Disturbance Ecology Lab (II): Forest Pathogens	5
ENVIR ST/F&W ECOL 515	Natural Resources Policy (recommended, satisfies Communications B requirement)	3
or ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	
or ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	
or ENVIR ST/ HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	
F&W ECOL 550 & F&W ECOL 551	Forest Ecology and Forest Ecology Lab	4
F&W ECOL 658	Forest Resources Practicum	3
Total Credits		**38-39**

MAJOR ELECTIVES

Complete at least 12 credits from the following courses.

Soils and Landscapes

Code	Title	Credits
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
LAND ARC 668	Restoration Ecology	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3

Economics and Business

Code	Title	Credits
A A E 101	Introduction to Agricultural and Applied Economics	4
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
A A E/ECON 371	Energy, Resources and Economics	3
A A E 419	Agricultural Finance	3
ECON 101	Principles of Microeconomics	4
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3
INTL BUS 200	International Business	3
LSC 270	Marketing Communication for the Sciences	3
M H R 300	Managing Organizations	3
M H R 305	Human Resource Management	3
M H R 401	Leading Teams	3
OTM 300	Operations and Supply Chain Management	3

Urban and Wildland Forest Management

Code	Title	Credits
F&W ECOL/ BOTANY 455	The Vegetation of Wisconsin	4
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
SOIL SCI 326	Plant Nutrition Management	3

GIS/Remote Sensing

Code	Title	Credits
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3
GEOG 370	Introduction to Cartography	4
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4

Wildlife and Fisheries Ecology

Code	Title	Credits
GEOG/BOTANY 338	Environmental Biogeography	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
F&W ECOL 318	Principles of Wildlife Ecology	3
F&W ECOL 379	Principles of Wildlife Management	3
F&W ECOL 655	Animal Population Dynamics	3
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab	2
ZOOLOGY/AN SCI/ F&W ECOL 520	Ornithology	3

ZOOLOGY/AN SCI/ F&W ECOL 521	Birds of Southern Wisconsin	3

Ecology and Biological Diversity

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ PL PATH 332	Fungi	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY 422	Plant Geography	3
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
F&W ECOL 458	Environmental Data Science	3
LAND ARC/ F&W ECOL/ ZOOLOGY 565	Principles of Landscape Ecology	2

Conservation Biology

Code	Title	Credits
F&W ECOL/ ENVIR ST 100	Forests of the World	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL/ BOTANY/ENVIR ST/ ZOOLOGY 516	Conservation Biology	3
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	3

Natural Resource Management and Policy

Code	Title	Credits
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
ENVIR ST/ GEOSCI 411	Energy Resources	3
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	3
F&W ECOL 561	Wildlife Management Techniques	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PL PATH 300	Introduction to Plant Pathology	4

Earth and Atmospheric Science

Code	Title	Credits
ATM OCN 100	Weather and Climate	3
ATM OCN 101	Weather and Climate	4
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems	2-3
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts	3
F&W ECOL/ SOIL SCI 451	Environmental Biogeochemistry	3
GEOG 342	Geography of Wisconsin	3
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

Human and Social Dimensions of Ecology

Code	Title	Credits
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 307	Literature of the Environment: Speaking for Nature	3
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4

CAPSTONE

Students are required to receive a grade of C or higher on the forest science capstone. Students who receive a grade of D or below will be required to retake the course for graduation.

Code	Title	Credits
F&W ECOL 590	Integrated Resource Management	3

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

REQUIREMENTS

To earn honors in the major, students are required to take at least 20 honors credits. In addition, students must take F&W ECOL 681 and F&W ECOL 682 when completing their thesis project; please see the honors program page (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/) for more information.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Ecology) Understanding of taxonomy and ability to identify forest and other tree species, their distribution, and associated vegetation and wildlife.
2. (Ecology) Understanding of soil properties and processes, hydrology, water quality, and watershed functions.
3. (Ecology) Understanding of ecological concepts and principles including the structure and function of ecosystems, plant and animal communities, competition, diversity, population dynamics, succession, disturbance, and nutrient cycling.
4. (Ecology) Ability to make ecosystem, forest, and stand assessments.
5. (Ecology) Understanding of tree physiology and the effects of climate, fire, pollutants, moisture, nutrients, genetics, insects and diseases on tree and forest health and productivity.
6. (Forest Resources Measurement and Management) Ability to identify and measure land areas and conduct spatial analysis.
7. (Forest Resources Measurement and Management) Ability to design and implement comprehensive inventories that meet specific objectives using appropriate sampling methods and units of measurement.
8. (Forest Resources Measurement and Management) Ability to analyze inventory data and project future forest, stand, and tree conditions.
9. (Forest Resources Measurement and Management) Ability to develop and apply silvicultural prescriptions appropriate to management objectives, including methods of establishing and influencing the composition, growth, and quality of forests, and understand the impacts of those prescriptions.
10. (Forest Resources Measurement and Management) Ability to analyze the economic, environmental, and social consequences of forest resource management strategies and decisions.
11. (Forest Resources Measurement and Management) Ability to develop management plans with specific multiple objectives and constraints.
12. (Forest Resources Measurement and Management) Understanding of the valuation procedures, market forces, processing systems, transportation and harvesting activities that translate human demands for timber-based and other consumable forest products into the availability of those products.
13. (Forest Resources Measurement and Management) Understanding of the valuation procedures, market, and non-market forces that avail humans the opportunities to enjoy non-consumptive products and services of forests.
14. (Forest Resources Measurement and Management) Understanding of the administration, ownership, and organization of forest management enterprises.
15. (Forest Resource Policy, Economics, and Administration) Understanding of forest policy and the processes by which it is developed.

16. (Forest Resource Policy, Economics, and Administration) Understanding of how federal, state, and local laws and regulations govern the practice of forestry.
17. (Forest Resource Policy, Economics, and Administration) Ability to understand the integration of technical, financial, human resources, and legal aspects of public and private enterprises.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

The four-year plan is a tool to assist you and your advisor in planning your academic career. Use it along with your DARS report and Course Search & Enroll to determine your program of study. Your program of study will likely look different from this sample four-year plan. Consult with your advisor to determine the best path for you. Courses may not be offered every year, so plan ahead with your advisor. Students must complete at least 120 total credits to be eligible for graduation.

SAMPLE FOREST SCIENCE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 112[1]	3	MATH 113[1]	3
F&W ECOL/ ENVIR ST 100 (recommended for CALS International Studies requirement)	3	CHEM 103, 108, or 109	4-5
INTER-AG 155 (CALS First Year Seminar)	1	BIOLOGY/ BOTANY 130[2]	5
COMM A Course	3	Ethnic Studies	3
Elective	3		
	13		**16**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	5	F&W ECOL 300	4	F&W ECOL 658[3]	3
SOIL SCI 301	3	F&W ECOL 395	3		
F&W ECOL/ BOTANY 402	3	Electives	6-7		
STAT 371 or 301	3				
	14		**14**		**3**

Third Year

Fall	Credits	Spring	Credits
F&W ECOL/ ENVIR ST 515	3	F&W ECOL 305	2
F&W ECOL 550 & F&W ECOL 551	4	F&W ECOL 410 & F&W ECOL 411	4
Major Electives	6	F&W ECOL/ A A E 430 (Counts as Social Science)	3
Humanities	3	F&W ECOL 448	3
		F&W ECOL 449	1
	16		**13**

Fourth Year

Fall	Credits	Spring	Credits
F&W ECOL 390[3]	1	Electives	9
F&W ECOL 590	3	Major Electives	6
F&W ECOL 450	1		
Major Electives	3		
Humanities	3		
Electives	5		
	16		**15**

Total Credits 120

1 MATH course dependent on placement score and transfer credit evaluation.
2 BIOLOGY/BOTANY 130, BIOLOGY/ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 are strongly recommended to satisfy the introductory biology requirement for forest science, but students may use BIOLOGY/ BOTANY/ZOOLOGY 151 & BIOLOGY/BOTANY/ZOOLOGY 152.
3 Students should plan ahead for this course with their advisor, as it may not be offered every year.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students are assigned an academic advisor as well as a faculty advisor. Faculty members lead undergraduate research, advise students on career planning, and help students with critical thinking. Professional academic advisors help students plan their coursework and identify internship opportunities, as well as ways to get involved in department and campus activities.

CAREER OPPORTUNITIES

Undergraduates in forest science prepare for a variety of career opportunities. They can work as foresters, arborists, park rangers, conservation scientists, environmental educators, geospatial analysts, researchers, and more. They also pursue graduate training in forestry, ecology, natural resource policy, or environmental law. Graduates of the program work for many organizations including the U.S. Forest Service, the Wisconsin Department of Natural Resources, the Society of American Foresters, the Aldo Leopold Foundation, environmental consultants, and private corporations.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

All forest science undergraduates are required to complete an internship. Students find positions outdoors, as well as laboratory

and analytical positions. See the Internship & Job Resources (https://forestandwildlifeecology.wisc.edu/academics/undergraduate-programs/internship-job-resources/) page for more information.

RESEARCH EXPERIENCE

Forest science undergraduates can undertake independent research by joining a professor's field- or lab-based research activities. In their research experiences, students gain skills in a variety of forest science areas including forest structure and function, forest policy, human dimensions of forest management, forest economics, and plant species identification.

STUDENT ORGANIZATIONS

Students can join the Forestry Club, UW–Madison's Student Chapter of the Society of American Foresters. The club organizes the annual holiday tree sale, and students can attend a national foresters conference and take part in trainings for prescribed burns, chainsaw use, and tree identification.

COMPETITIVE TEAMS

Students can join a quiz bowl team that competes at the national Society of American Foresters annual conference.

GLOBAL ENGAGEMENT

Forest science students are encouraged to complete a study abroad experience. The department also offers an international course focused on the extinction of species that meets the CALS International Studies requirement. Students can find more information on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students involved in the Forestry Club volunteer at a number of activities including the annual holiday tree sale. Forest science undergraduates also have opportunities to work with local schools to help kids understand the forests around them.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

There are five scholarships available to forest science students and fellowships are available for students to conduct research with professors. Students across the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

UW–Madison offers a special practicum course for majors known as "Forestry Camp." The Forest Resources Practicum is an intensive, three-week field course at the Kemp Natural Resources Station (https://kemp.wisc.edu/) in Woodruff, Wisconsin. Students learn firsthand about forest ecosystem structure, function, processes, and services. Subject areas include basic field skills, plant identification, GPS, forest soils, wildlife survey methods, and forest ecology. Students at Forestry Camp work closely with faculty and natural resource professionals.

ACCREDITATION

ACCREDITATION

Society of American Foresters (https://www.eforester.org/)

Accreditation status: Accredited. Next accre0ditation review: 2027.

WILDLIFE ECOLOGY, BS

Students in the wildlife ecology program learn about species ecology, habitat management, monitoring techniques, and conservation through courses that are based in the natural sciences. Wildlife ecologists study wild animals and their interactions with people. Working largely outdoors, they manage and conserve wildlife populations and their habitats, aiming to meet the complex needs of wildlife in a human-dominated world.

The Department of Wildlife Ecology was the first wildlife program in an American university. Students learn through a mix of classroom, laboratory, and field instruction. They have flexibility to customize their learning experience within one of two tracks: natural sciences and natural resources. Students can work toward substantively completing requirements for being recognized as an Associate Wildlife Biologist by The Wildlife Society (https://wildlife.org/learn/professional-development-certification/certification-programs/), a professional organization, if they choose to.

Wildlife ecology graduates work in public resource management agencies, educational institutions, private industry, and non-governmental organizations such as the National Wildlife Federation and The Nature Conservancy. Students in the wildlife ecology major are also well prepared to pursue advanced degrees in wildlife and related fields or veterinary medicine.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Wildlife ecology students learn in many field and lab courses, including classes that focus on wildlife management, reptiles, amphibians, birds, and mammals. They can also take part in a summer field course in northern Wisconsin, numerous internships, and research opportunities.

BUILD COMMUNITY AND NETWORKS

Students can join the Student Chapter of the Wildlife Society and the Audubon Society, UW–Madison. Members of the Wildlife Society work with elementary school students, volunteer for numerous projects, and send a competitive team to the Quiz Bowl at the Wildlife Society annual meeting.

CUSTOMIZE A PATH OF STUDY

Students learn through a mix of classroom, laboratory, and field instruction. They have flexibility to customize their learning experience by selecting from a variety of courses in consultation with their advisor. Courses include options in the natural sciences, as well as coursework that

meets educational requirements for certification as a wildlife biologist by The Wildlife Society.

MAKE A STRONG START

Students can take an introductory course that gives students an orientation to wildlife ecology and introduces them to the major and professions within the field of wildlife management and conservation.

GAIN GLOBAL PERSPECTIVE

Wildlife ecology students are encouraged to participate in a study abroad experience. The program also offers an international class focused on the extinction of species (meeting the CALS International Studies Requirement), as well as a study abroad experience in Mexico. Students can explore studying abroad as a Wildlife Ecology major utilizing the Wildlife Ecology Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following (or may be satisfied by placement exam):		5-6
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171	Calculus with Algebra and Trigonometry I	
Complete one of the following:		3
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
Complete one of the following:		4-5
CHEM 103	General Chemistry I	
CHEM 108	Chemistry in Our World	
CHEM 109	Advanced General Chemistry	
Biology		
Complete one of the following options:		10
Option 1 (recommended):		
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
Option 2:		
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	
Option 3:		
BIOCORE 383 & BIOCORE 384 & BIOCORE 485 & BIOCORE 486	Cellular Biology and Cellular Biology Laboratory and Principles of Physiology and Principles of Physiology Laboratory	
Core		
Wildlife Ecology and Management		
F&W ECOL 101	Orientation to Wildlife Ecology (Counts for CALS First Year Seminar)	1
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
F&W ECOL 318	Principles of Wildlife Ecology	3
or BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
F&W ECOL 379	Principles of Wildlife Management	3
F&W ECOL 561	Wildlife Management Techniques	3
F&W ECOL 655	Animal Population Dynamics	3
Plant Taxonomy		
BOTANY 400	Plant Systematics	4
or BOTANY 401	Vascular Flora of Wisconsin	
Evolution/Genetics		
Complete one of the following:		3-5
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	
GENETICS 466	Principles of Genetics	
BIOCORE 381 & BIOCORE 382	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory [1]	
Vertebrate Taxonomy and Natural History		
Complete one of the following:		5-6
ZOOLOGY/ AN SCI/ F&W ECOL 520 & ZOOLOGY/ AN SCI/ F&W ECOL 521	Ornithology and Birds of Southern Wisconsin	
ZOOLOGY/ ENVIR ST 510 & ZOOLOGY/ ENVIR ST 511	Ecology of Fishes and Ecology of Fishes Lab	
Major Electives		
Complete 15 credits from across at least 3 different categories (see course list below):		15
Physical Science		
Wildlife Resources and Technical Skills		
Anatomy/Physiology/Disease		
Conservation		
Forestry/Botany		
Ecosystem Ecology		
Policy, Administration, and Law		
Social Aspects of Natural Resources Management		
Capstone		
Complete one of the following:		3
F&W ECOL 577	Complexity and Conservation of White-tailed Deer	
F&W ECOL 599	Wildlife Research Capstone	
Total Credits		**69-74**

[1] Only allowed for students who completed the rest of the Biocore curriculum listed under biology.

MAJOR ELECTIVES

Code	Title	Credits
Physical Science		
CHEM 104	General Chemistry II	5
CHEM 109	Advanced General Chemistry	5
PHYSICS 103	General Physics	4
PHYSICS 104	General Physics	4
PHYSICS 201	General Physics	5
PHYSICS 207	General Physics	5

PHYSICS 208	General Physics	5
GEOSCI 202	Introduction to Geologic Structures	4
GEOSCI 204	Geologic Evolution of the Earth	4
SOIL SCI 301	General Soil Science	3
Wildlife Resources and Technical Skills		
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
F&W ECOL 395	Data and GIS Tools for Ecology	3
F&W ECOL 424	Wildlife Ecology Summer Field Practicum	2
F&W ECOL 458	Environmental Data Science	3
F&W ECOL 658	Forest Resources Practicum	3
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
LAND ARC 668	Restoration Ecology	3
ZOOLOGY 405	Introduction to Museum Studies in the Natural Sciences	2-3
Anatomy/Physiology/Disease		
ANAT&PHY 335	Physiology	5
AN SCI/DY SCI 373	Animal Physiology	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
ENTOM/M M & I/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
Conservation		
ANTHRO 668	Primate Conservation	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species (Meets CALS International Studies Requirement)	3
F&W ECOL/ BOTANY/ENVIR ST/ ZOOLOGY 516	Conservation Biology	3
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
Forestry/Botany		
F&W ECOL/ ENVIR ST 100	Forests of the World (Meets CALS International Studies Requirement)	3
F&W ECOL 300	Forest Measurements	4
F&W ECOL 305	Forest Operations	2
F&W ECOL/ BOTANY 402	Dendrology: Woody Plant Identification and Ecology	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 411	Practices of Silviculture	1
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 449	Disturbance Ecology Lab (I): Herbivores and Fire	1
F&W ECOL 450	Disturbance Ecology Lab (II): Forest Pathogens	1
F&W ECOL/ BOTANY 455	The Vegetation of Wisconsin	4
F&W ECOL 550	Forest Ecology	3
Ecosystem Ecology		
AGROECOL 370	Grassland Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
Policy, Administration, and Law		
ENVIR ST/ GEOG 337	Nature, Power and Society	3
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
F&W ECOL/ ENVIR ST 515	Natural Resources Policy	3
Social Aspects of Natural Resource Management		
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Define and explain basic principles in biological sciences and major concepts in wildlife ecology including, population ecology, organismal biology, plant ecology/taxonomy, and genetics/evolution.
2. Explain and discuss principles of wildlife management including natural resource legislation, policy, and applications.
3. Explain and apply the scientific methods including designing and conducting experiments and testing hypotheses.
4. Explain and demonstrate techniques for collection of data in laboratory and field settings, keep accurate records, and analyze data to address hypotheses.
5. Demonstrate a style appropriate for communicating scientific results in written and oral form. Provide opportunity to develop these communication skills.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

The four-year plan is a tool to assist you and your advisor in planning your academic career. Use it along with your DARS report and Course Search & Enroll to determine your program of study. Your program of study will likely look different from this sample four-year plan. Consult with your advisor to determine the best path for you. Students must complete at least 120 total credits to be eligible for graduation.

SAMPLE WILDLIFE ECOLOGY FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
F&W ECOL 101 (Counts for CALS First Year Seminar)	1	F&W ECOL 379	3
F&W ECOL 318	3	MATH 113[1]	3
MATH 112[1]	3	Humanities	3
Communication Part A	3	CHEM 103	4
Humanities	3	Elective	2
	13		**15**

Second Year

Fall	Credits	Spring	Credits
F&W ECOL 561	3	ZOOLOGY/BIOLOGY/ BOTANY 152[2]	5
ZOOLOGY/BIOLOGY/ BOTANY 151[2]	5	BOTANY 401	4
Social Science	3	STAT 301 or 371	3
Electives	5	Ethnic Studies	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
CALS International Study Requirement	3	F&W ECOL 306	4
Evolution/Genetics Requirement	3	F&W ECOL/AN SCI/ ZOOLOGY 520 & F&W ECOL/AN SCI/ ZOOLOGY 521	6
Major Electives	6	Electives	5
Elective	4		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
Major Electives	6	F&W ECOL 655	3
Electives	6	Major Elective	3
F&W ECOL 577 or 599	3	Electives	9
	15		**15**

Total Credits 120

1 MATH course dependent on placement score and transfer credit evaluation.

2 BIOLOGY/BOTANY/ZOOLOGY 151 & BIOLOGY/BOTANY/ ZOOLOGY 152 are recommended, but students may complete BIOLOGY/ZOOLOGY 101, BIOLOGY/ZOOLOGY 102, & BIOLOGY/ BOTANY 130 to satisfy the introductory biology requirement.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students are assigned an academic advisor and a faculty advisor in the department. Professional academic advisors help students plan their coursework and identify opportunities to get involved in department and campus activities. Faculty advise students on career planning and challenge students to think critically.

CAREER OPPORTUNITIES

Undergraduates in wildlife ecology prepare for a variety of careers. They can become wildlife biologists, habitat restoration technicians, attorneys, wildlife enforcement officers, researchers, and more. Students are also

well prepared to pursue advanced degrees in wildlife and related fields, including veterinary medicine. Graduates of the program work for many organizations, such as state departments of natural resources, the U.S. Fish and Wildlife Service, the Chicago Zoological Society, and The Nature Conservancy.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Many wildlife ecology students include internships and professional work experiences in their studies. Students are encouraged to talk to their advisor about internship possibilities. See the Internship & Job Resources (https://forestandwildlifeecology.wisc.edu/academics/undergraduate-programs/internship-job-resources/) page for more information.

RESEARCH EXPERIENCE

Wildlife ecology undergraduates are encouraged to get involved in field- or lab-based research with a professor. In their research experiences, students gain skills in a variety of areas including measuring habitats, reviewing literature, identifying species, deploying wildlife cameras, and more.

STUDENT ORGANIZATIONS

Students can join the Student Chapter of the Wildlife Society and the Audubon Society, UW–Madison. Members of the Wildlife Society can work with elementary school students and volunteer for numerous projects.

COMPETITIVE TEAMS

Wildlife ecology undergraduates can join a team that competes at the Quiz Bowl at the Wildlife Society annual meeting.

GLOBAL ENGAGEMENT

Wildlife ecology students are encouraged to participate in a study abroad experience. The program offers an experience in Mexico focused on wildlife ecology, as well as an international course focused on the extinction of species that meets the CALS International Studies requirement. Students can find more information about study abroad on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

The Student Chapter of the Wildlife Society organizes several volunteer activities, including spring and summer frog surveys, summer fawn searches, and roadside clean-up. Students also have opportunities to work with elementary school students and give presentations about wildlife.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

WILDLIFE BIOLOGIST CERTIFICATION

Work with your advisor to ensure you select courses that will meet the requirements of the Wildlife Biologist Certification through The Wildlife Society (TWS) (https://wildlife.org/learn/professional-development-certification/certification-programs/). Membership in TWS is required for certification. Certification is for 5 years and may be renewed upon demonstration of adequate continual learning and professional development.

Curriculum

1. Wildlife management and wildlife biology (12 hours)
2. Ecology (3 hours)
3. Zoology (9 hours)
4. Botany (9 hours)
5. Physical sciences (9 hours)
6. Basic statistics (3 hours)
7. Quantitative sciences (6 hours)
8. Humanities and social sciences (9 hours)
9. Communications (12 hours)
10. Policy, administration, and law (6 hours)

Experience

1. A minimum 60 work months of full-time professional biologist experience gained within the ten (10) years prior to applying for certification (or up to 13 years if granted an extension).

Renewal

1. To renew certification, applicants must log a minimum of 80 contact hours related to participation in organized activities and mentorship within the five years prior to submission.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Department scholarships are available to wildlife ecology students and fellowships are available to support research work with a professor. Students across the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

GENETICS

This program explores how genetic material shapes life — from the cellular level to the population level — and prepares students to solve some of society's most pressing challenges in the fields of medicine, biotechnology, biomedical research, and agriculture. Genetics and genomics are at the heart of many important issues of the day, including genetic testing, genetic therapies, genome sequencing, evolution, and the genetic engineering of humans, plants, and animals.

Students who major in Genetics and Genomics take courses in biology, chemistry, physics, statistics, and introductory genetics, and then delve into specialized genetics topics focused on humans, plants, populations, cancer, biological development, neurology, and epigenetics. They gain laboratory research experiences by taking laboratory courses and conducting independent research projects in faculty labs.

The Genetics and Genomics major provides a solid foundation for careers in medicine, public health, research, life sciences, agriculture, biotechnology, education, law, and science communication — in the private, public, and non-profit sectors. Many students choose to pursue graduate and professional studies, including research-focused PhD programs, medical school, veterinary school, and law school. Alumni go on to be physicians, medical directors, genetic counselors, epidemiologists, research scientists, data analysts, plant breeders, veterinarians, professors, teachers, attorneys, and science writers.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

All Genetics and Genomics majors participate in hands-on research, which equips them with real-world skills valued by graduate and professional schools and employers. In addition to laboratory coursework, students have numerous opportunities to conduct independent research in faculty labs, where they receive mentoring from faculty, staff, and graduate students.

BUILD COMMUNITY AND NETWORKS

Students get to know faculty and instructors through small classes, and they can grow their networks by getting involved in student organizations or participating in undergraduate research experiences mentored by faculty. The Undergraduate Genetics Association (https://win.wisc.edu/organization/UGA/), a club for students interested in genetics and genomics, provides professional development, volunteer, and social opportunities for members. The Pre-Genetic Counseling Organization (https://win.wisc.edu/organization/pregeneticcounseling/), a club for students interested in genetic counseling, specializes in bringing counseling opportunities and information to undergraduates. Students can also participate in the Genetics and Genomics Peer Mentorship Program, which connects incoming students with those further along in their college careers.

MAKE A STRONG START

Freshman Seminar in Genetics is a course for first-year students that introduces new majors to faculty researchers and fellow classmates and allows them to begin making campus connections. It also prepares them to work in research labs, teaches study skills needed to succeed in college, and provides peer networking opportunities.

CUSTOMIZE A PATH OF STUDY

Students have many options to pursue coursework that meets their career goals. They also may pursue honors in research, an option that includes conducting hands-on research in campus labs and preparing a thesis from the research that was conducted.

GAIN GLOBAL PERSPECTIVE

Majors can choose from a variety of study abroad programs including short-term field experiences, summer research opportunities and semester-long exchange programs at top universities around the world.

A study abroad program in Costa Rica specifically tailored for genetics and genomics majors is typically offered each spring and is led by genetics program faculty from UW–Madison. Students can explore studying abroad as a Genetics and Genomics major by utilizing the Genetics and Genomics Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Genetics and Genomics, BS (p. 170)
- Genetics in a Modern World, Certificate (p. 176)

GENETICS AND GENOMICS, BS

This program explores how genetic material shapes life — from the cellular level to the population level — and prepares students to solve some of society's most pressing challenges in the fields of medicine, biotechnology, biomedical research, and agriculture. Genetics and genomics are at the heart of many important issues of the day, including genetic testing, genetic therapies, genome sequencing, evolution, and the genetic engineering of humans, plants, and animals.

Students who major in genetics and genomics take courses in biology, chemistry, physics, statistics, and introductory genetics, and then delve into specialized genetics topics focused on humans, plants, populations, cancer, biological development, neurology, and epigenetics. They gain laboratory research experiences by taking laboratory courses and conducting independent research projects in faculty labs.

The genetics and genomics major provides a solid foundation for careers in medicine, public health, research, life sciences, agriculture, biotechnology, education, law, and science communication — in the private, public, and non-profit sectors. Many students choose to pursue graduate and professional studies, including research-focused PhD programs, medical school, veterinary school, and law school. Alumni go on to be physicians, medical directors, genetic counselors, epidemiologists, research scientists, data analysts, plant breeders, veterinarians, professors, teachers, attorneys, and science writers.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

All genetics and genomics majors participate in hands-on research, which equips them with real-world skills valued by graduate and professional schools and employers. In addition to laboratory coursework, students have numerous opportunities to conduct independent research in faculty labs, where they receive mentoring from faculty, staff, and graduate students.

BUILD COMMUNITY AND NETWORKS

Students get to know faculty and instructors through small classes, and they can grow their networks by getting involved in student organizations or participating in undergraduate research experiences mentored by

faculty. The Undergraduate Genetics Association (https://win.wisc.edu/organization/UGA/), a club for students interested in genetics and genomics, provides professional development, volunteer, and social opportunities for members. The Pre-Genetic Counseling Organization (https://win.wisc.edu/organization/pregeneticcounseling/), a club for students interested in genetic counseling, specializes in bringing counseling opportunities and information to undergraduates. Students can also participate in the Genetics and Genomics Peer Mentorship Program, which connects incoming students with those further along in their college careers.

MAKE A STRONG START

A course for first-year students introduces new majors to faculty researchers and fellow classmates and makes campus connections. It also prepares them to work in research labs, teaches study skills needed to succeed in college, and provides peer networking opportunities.

CUSTOMIZE A PATH OF STUDY

Students have many options to pursue coursework that meets their career goals. They also may pursue honors in research, an option that includes conducting hands-on research in campus labs.

GAIN GLOBAL PERSPECTIVE

Majors can choose from a variety of study abroad programs including short-term field experiences, summer research opportunities, and semester-long exchange programs at top universities around the world. A study abroad program in Costa Rica specifically tailored for genetics and genomics majors is typically offered each spring and is led by genetics program faculty from UW–Madison. Students can explore studying abroad as a genetics and genomics major by utilizing the Genetics and Genomics Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		

Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.	
First year seminar (p. 47)	1
International studies (p. 47)	3
Physical science fundamentals	4-5
CHEM 103 General Chemistry I or CHEM 108 Chemistry in Our World or CHEM 109 Advanced General Chemistry	
Biological science	5
Additional science (biological, physical, or natural)	3
Science breadth (biological, physical, natural, or social)	3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)	

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following:		5-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Complete one of the following:		3-4
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 301	Introduction to Statistical Methods	
STAT 240	Data Science Modeling I	
Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Complete one of the following:		3-6
CHEM 341	Elementary Organic Chemistry	
CHEM 343 & CHEM 345	Organic Chemistry I and Organic Chemistry II [1]	
Physics		
Complete one of the following:		10
PHYSICS 103 & PHYSICS 104	General Physics and General Physics (recommended)	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics (recommended)	
Biology		
Complete one of the following options:		10
Option 1:		
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology (recommended)	
Option 2:		
BOTANY/ BIOLOGY 130	General Botany	
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	
Option 3:		
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	
Select two of the following labs:		
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Core Requirements		
BIOCHEM 501	Introduction to Biochemistry [2]	3
or BIOCHEM 507	General Biochemistry I	
Complete one of the following options:		6
Option 1:		
GENETICS 467 & GENETICS 468	General Genetics 1 and General Genetics 2 (preferred)	
Option 2:		
GENETICS 466	Principles of Genetics (consult advisor)	
additional 3 credit genetics depth course (see course list below) [3]		
Select 2 credits from the following:		2
GENETICS 545	Genetics Laboratory	
GENETICS 299	Independent Study [4]	
GENETICS 699	Special Problems [4]	
GENETICS 681	Senior Honors Thesis	
GENETICS 682	Senior Honors Thesis	
GENETICS 399	Coordinative Internship/ Cooperative Education	
Genetics Depth		**9**
See course list below		
Genetics Breadth		**6**
See course list below		
Capstone		
Select one of the following:		3-6
Option 1:		
GENETICS/ BIOLOGY 522	Communicating Evolutionary Biology (Three-credit version only) [5]	
Option 2:		
GENETICS 527	Developmental Genetics for Conservation and Regeneration (offered in fall semester) [5]	
Option 3:		

GENETICS 566	Advanced Genetics (offered in spring semester)
Option 4:	
GENETICS 564	Genomics and Proteomics (offered in spring semester) [5]
Option 5 (must be taken concurrently):	
GENETICS 699	Special Problems (offered in fall semester)
GENETICS 567	Companion Research Seminar (offered in fall semester)
Option 6 (must be taken concurrently):	
GENETICS 681	Senior Honors Thesis
GENETICS 682	Senior Honors Thesis
GENETICS 567	Companion Research Seminar (offered in fall semester)
Total Credits	**65-81**

[1] If CHEM 343 is taken, it must be taken as a part of CHEM 343 & CHEM 345, the latter of which counts as a genetics breadth requirement.

[2] If BIOCHEM 507 is taken, it must be taken as a part of BIOCHEM 507 & BIOCHEM 508, the latter of which counts as a genetics breadth requirement.

[3] Additional depth course will not count toward the 9-credit genetics depth requirement.

[4] Consult with your advisor if genetics-related research will be performed in a department other than genetics.

[5] May count for genetics depth or capstone, but not both.

GENETICS DEPTH & BREADTH COURSES

Depth

Code	Title	Credits
GENETICS 520	Neurogenetics	3
GENETICS/ BIOLOGY 522	Communicating Evolutionary Biology	2-3
GENETICS 525	Epigenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1
GENETICS 548	The Genomic Revolution	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
GENETICS 564	Genomics and Proteomics	3
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 566	Advanced Genetics	3
GENETICS 588	Immunogenetics	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS/ BIOCHEM/ MICROBIO 612	Prokaryotic Molecular Biology	3
GENETICS/ PLANTSCI 615	Genetic Mapping	3
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology	3
GENETICS/ CHEM 626	Genomic Science	2
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ BIOCHEM 631	Plant Genetics and Development	3
GENETICS 633	Population Genetics	3
GENETICS/ BOTANY/M M & I/ PL PATH 655	Biology and Genetics of Fungi	3
GENETICS/ MD GENET 662	Cancer Genetics	3
GENETICS/ MD GENET 677	Advanced Topics in Genetics	1-3

Breadth

Code	Title	Credits
Physical Science:		
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Integrative Biology:		
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCORE 485	Principles of Physiology	3
BIOCORE 587	Biological Interactions	3
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ ONCOLOGY 545	Topics in Biotechnology	1
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
PHM SCI 490	Selected Topics in Pharmaceutical Sciences	1-4
PL PATH 622	Plant-Bacterial Interactions	2-3
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	3
ZOOLOGY/ ENVIR ST/ F&W ECOL 360	Extinction of Species	3
ZOOLOGY 425	Behavioral Ecology	3

ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 570	Cell Biology	3
POP HLTH/ GENETICS/ MD GENET 636	Public Health Genomics	1
POP HLTH/AN SCI/ GENETICS 849	Genomic Epidemiology	2
Agricultural Ecosystems:		
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
PL PATH/BOTANY/ ENTOM 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI 502	Techniques of Plant Breeding	1
Computational Biology:		
B M I/ COMP SCI 576	Introduction to Bioinformatics	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Analyze the transmission of genes and chromosomes between cells during cell division and within pedigrees over generations.
2. Demonstrate a deep understanding of how information encoded in DNA can be mutated, epigenetically modified, transcribed into RNA, and translated for protein production, enabling this information to orchestrate the activities of cells singly or collectively throughout development in multicellular organisms.
3. Predict the impact of the forces of mutation, natural selection, chance, and genetic recombination on the amount of genetic variation in populations at the DNA and phenotypic levels using quantitative models.
4. Formulate research questions about the genetic control of biological processes and design experiments to answer these questions using appropriate genetic tools including model organisms.
5. Demonstrate team-work, interpersonal and problem-solving skills to address societal, ethical and scientific issues related to genetics, and communicate their findings through written, oral and multi-media reports.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE GENETICS AND GENOMICS FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 221 (or math placement)	5	Elective	3
GENETICS 155 (CALS First Year Seminar)	1	COMM A Course (if needed)	3
Humanities	3	Ethnic Studies	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
CHEM 343 or 341	3	CHEM 345 (if CHEM 343 completed)	3
ZOOLOGY/BIOLOGY/ BOTANY 151[1]	5	ZOOLOGY/BIOLOGY/ BOTANY 152[1]	5
STAT 371 or 301	3	GENETICS 299 (Independent Research)	1-3
Social Sciences	3	Electives	5
	14		**16**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 103, 207, or 201[2]	4-5	PHYSICS 104, 208, or 202[2]	4-5
GENETICS 467	3	GENETICS 468	3
BIOCHEM 501 or 507	3	BIOCHEM 508 (or elective)	3-4
CALS International Studies	3	Genetics Depth/Breadth	6
	14		**18**

Fourth Year

Fall	Credits	Spring	Credits
Genetics Depth/Breadth	6	Genetics Depth/Breadth	3

Elective (research or thesis recommended)[3]	2-3	Elective (research or thesis recommended)[3]	2-3
Humanities	3	Genetics Capstone	3
Electives	3	Electives	6
	15		**15**

Total Credits 120

1 Instead of ZOOLOGY/BIOLOGY/BOTANY 151 and ZOOLOGY/BIOLOGY/BOTANY 152, students can take either BOTANY/BIOLOGY 130, ZOOLOGY/BIOLOGY 101 & ZOOLOGY/BIOLOGY 102, or BIOCORE 381, BIOCORE 383 & two labs (BIOCORE 382, BIOCORE 384, or BIOCORE 486).

2 Physics could be taken in second year (consult your advisor).

3 If in CALS honors in research.

Notes:

- First-year students are recommended to take GENETICS 155 to fulfill the CALS first year seminar requirement.
- Study abroad is an enriching experience. Check with your advisor on how you can fulfill your curriculum and study abroad.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student is assigned a professional academic advisor who works to understand student goals and helps to craft a path that best suits their needs. Additionally, students receive professional and scientific mentorship through interactions with faculty, staff, and graduate students.

CAREER OPPORTUNITIES

Alumni go on to a wide variety of careers in medicine, public health, research, life sciences, biotechnology, education, law, and science communication — in the private, public, and non-profit sectors. They hold professional positions as physicians, medical directors, genetic counselors, epidemiologists, research scientists, data analysts, plant breeders, veterinarians, professors, teachers, attorneys, and science writers.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

RESEARCH EXPERIENCE

Many genetics and genomics majors conduct research in a faculty-led research lab where they receive direct mentorship from faculty, staff, and graduate students. With hundreds of faculty members on campus using genetic strategies in their labs, students have many research options.

STUDENT ORGANIZATIONS

The Undergraduate Genetics Association (https://win.wisc.edu/organization/UGA/), a club for all students interested in genetics and genomics, brings in guest speakers to discuss their research and career paths; provides guidance on finding campus research and internship opportunities; holds informational sessions on jobs and careers; and hosts networking, volunteer, and social events. The Pre-Genetic Counseling Organization (https://win.wisc.edu/organization/pregeneticcounseling/), for students interested in genetic counseling, hosts talks by genetic counselors, clinicians, and ethicists; informs students of advocacy opportunities; provides training in practical counseling skills; and offers networking, volunteer, outreach, and social events.

GLOBAL ENGAGEMENT

Genetics and genomics majors participate in study abroad programs in countries around the world, including in China, Costa Rica, England, Germany, Mexico, New Zealand, and Uganda. Students can find more information on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students have opportunities to engage in volunteer activities through the Undergraduate Genetics Association, including participating in campus' annual Darwin Day (https://evolution.wisc.edu/darwin-day/) science outreach event. The Pre-Genetic Counseling Organization also offers outreach opportunities.

INTERNSHIPS

Majors are encouraged to participate in internships. With a large biotech industry presence in the Madison area, there are many opportunities for students to participate in genetically-relevant internship experiences. Students can use these internship opportunities to complete the research requirement for the genetics and genomics major.

A RICH HISTORY OF GENETICS AND GENOMICS

Established in 1910, the UW–Madison Department of Genetics is among the oldest genetics departments in the nation and is highly regarded for its research contributions in diverse areas of the field. Many of the greatest discoveries in Genetics and Genomics took place at UW–Madison, including cracking the genetic code, sequencing one of the first bacterial genomes, synthesizing the first gene, and developing targeted gene knockout methods in mice.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

The genetics department offers a Genetics and Genomics Excellence in Research Award of up to $6,000 to support undergraduate research in genetics- and genomics-related areas. There are also scholarships available for students who participate in certain genetics-focused study abroad programs.

RESOURCES

The Center for Pre-Health Advising (https://prehealth.wisc.edu/) provides information about health careers including pre-med, pre-nursing, pre-vet, and pre-physical therapy, and offers course suggestions.

GENETICS IN A MODERN WORLD, CERTIFICATE

This certificate provides students from a wide array of academic backgrounds with an opportunity to explore the relationship between modern genetics research and society. Students learn how genetics research has influenced society and how society shapes the direction of genetics research.

Expert instructors from the Department of Genetics provide students with a strong foundation in the challenges and opportunities that arise from innovations in genome sequencing technology, particularly in the areas of human health and disease. Elective coursework located in a variety of departments allows students to situate this foundational, scientific knowledge within an area of personal or career interest.

This certificate equips students pursuing diverse academic paths with the knowledge to think critically about their unique place within the ever-changing landscape of genetic knowledge and application. Students will be called to engage in ethical, evidence-based discussions about the relationship between cutting-edge genetics research and our world in the classroom and beyond. The Genetics in a Modern World certificate, guided by our team of dedicated instructors and advisors, will open doors into both public and private sector careers and promises to be a cornerstone of your Wisconsin Experience (https://wisconsinexperience.wisc.edu/).

HOW TO GET IN

HOW TO GET IN

Undergraduate students in any major or college may earn this certificate. There are no prerequisites for declaring the certificate; however, there may be prerequisites for individual courses in the certificate. Students will be informed of these prerequisites through Guide and advised to fulfill those requirements. Students pursuing the program are encouraged to declare as early as possible so that they can best align the coursework with their interests.

Students wishing to declare the Certificate in Genetics in the Modern World should meet with one of the advisors (listed in the Contact Information box) to declare the certificate.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Foundation Courses		
Complete the following courses:		
GENETICS 133	Genetics in the News	3
GENETICS 234	Genomes and Society	3
Interdisciplinary Electives		
Complete one course. See list below.		3
Integration Course		
Complete the following course:		
GENETICS 335	Genomes in a Modern World	3
Total Credits		**12**

INTERDISCIPLINARY ELECTIVES

Code	Title	Credits
ZOOLOGY 415	Genetics of Human History	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
MED HIST/PATH-BIO 370	Addressing Controversy: The Science, Ethics, and Public Discussion of Animal Research	3
MED HIST/ C&E SOC/ PHILOS 565	The Ethics of Modern Biotechnology	3
PSYCH 601	Current Topics in Psychology	3
PSYCH 603	Epigenetics and the Brain	3
RELIG ST/ JEWISH 340	The American Jewish Life of DNA	3
GEN&WS 530	Biology and Gender	3
HIST SCI 133	Biology and Society, 1950 - Today	3
ANTHRO 304	Heredity, Environment and Human Populations	3
PUB AFFR 523	Policy, Privacy, and Personal Identity in the Postgenomics Era	3

Additional Requirements:

- 2.000 GPA in certificate courses.
- At least 50% of certificate courses taken in-residence (i.e. at UW-Madison or through a UW-Madison sponsored study abroad program.)
- Courses taken on a pass/fail (satisfactory/unsatisfactory) basis will not count toward the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain current topics in genetics and genomics by applying basic genetic knowledge and simple scientific methodologies from current research.
2. Engage in dialogue about the implications of genetics and genomics on everyday life, addressing ethical, societal, legal, and/or scientific perspectives.
3. Describe applications, practices, and policies to address ethical, economic, environmental, legal, and/or social challenges and opportunities created by genomics- based innovations.
4. Integrate life sciences and humanities/social sciences perspectives to address current questions related to ethics, history, social science, and/or public policy, and their interaction with contemporary genetics and genetics research.
5. Present your interdisciplinary perspective on the relationship between genomes and society to diverse audiences.

ADVISING AND CAREERS

ADVISING AND CAREERS

Each certificate student is assigned an advisor who helps the student navigate a path to achieve their academic and career goals. Advisors and CALS Career Services (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/) can help students connect their major and certificate studies to enhance future career opportunities in areas such as healthcare, biomedical research, education, technology, law, and journalism among others.

Students may email the certificate advisors listed in the contact information box with questions or to set up an advising appointment.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

RESEARCH EXPERIENCE

Students pursuing the certificate can choose to be involved in campus research mentored by renown geneticists who are leaders in their field. Many opportunities exist to gain hands-on expertise in both plant and human genetics.

COMMUNITY ENGAGEMENT

Several student organizations related to genetics are available on campus: the Undergraduate Genetics Association (UGA) (https://win.wisc.edu/organization/UGA/) and the Pre-Genetics Counseling Organization (PGCO) (https://win.wisc.edu/organization/pregeneticcounseling/). Campus-wide and greater Madison opportunities exist for students pursuing the certificate, whereby they can become involved in summer STEM programs and community-based scientific outreach (among others) to help elevate scientific literacy and facilitate excitement for science in our community.

INTERNSHIPS AND INDUSTRY EXPOSURE

Opportunities to apply classroom learning to the biotech industry are particularly ripe on and near campus as Madison is one of the fastest growing biotech centers (Wisconsin Biohealth Tech Hub (https://www.bioforward.org/wisconsin-biohealth-tech-hub/tech-hub-overview/)) in the nation. With this certificate students may be strong candidates for available internships.

LIFE SCIENCES COMMUNICATION

The Department of Life Sciences Communication (LSC) is one of the world's leading science communication programs, working at the intersection of science, media, and society. The LSC major teaches students how to understand the way we all make sense of increasingly complex scientific breakthroughs. This theoretical background is a foundation to effectively communicate about controversial science topics in areas such as the environment and natural resources, health, agriculture, and new science technologies like gene editing and artificial intelligence.

Students receive instruction across multimedia platforms such as print, audio, video, and web. They are taught how to target and create communications for both news and marketing. Most important, they learn how to plan strategically and implement the most effective communications for diverse audiences.

Many courses in LSC have a strong professional focus, combining classroom instruction with projects that have real-world clients from industry and non-profit. Our faculty and instructors work with clients from a variety of industries and the policy world and bring those experiences into the classroom. These collaborations and projects prepare LSC students for careers in a wide variety of fields, including healthcare, digital marketing, education, media, agriculture, information technology, consumer goods, life sciences, and consulting. LSC students also pursue graduate and professional school after graduation in the health, biological, social, and physical sciences.

Students can also participate in an honors in major program in LSC (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/life-sciences-communication/life-sciences-communication-bs/#requirementstext).

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

State-of-the-art computer labs, radio labs, and video production equipment support student learning and preparation for careers.

Capstone courses provide students with an opportunity to put their LSC education into practice. Students apply their skills in the real world through these capstones, working with a real-life client on a social marketing campaign to influence behavioral change or participate in a science communication internship.

Students interested in science communication research can participate in research projects with professors leading the field of science communication.

BUILD COMMUNITY AND NETWORKS

LSC instructors are world-class researchers and real-world practitioners. Many courses enroll between 15-50 students, allowing students to get to know award-winning faculty and instructors personally throughout their time in the major.

CUSTOMIZE A PATH OF STUDY

LSC is an attractive major, and double major, to students interested in a variety of fields including genetics, global health, environmental science, physics, legal studies, psychology, and more. The LSC major is highly customizable both in terms of course selection in the major and in the ability to add majors and certificates to the LSC bachelor's degree based on each student's interests and career goals.

MAKE A STRONG START

LSC introduces students to the field of science communication, the College of Agricultural and Life Sciences, and the university by offering LSC 155: First Year Seminar in Science Communication, a seminar course for first-year students.

GAIN GLOBAL PERSPECTIVE

LSC students often participate in study abroad opportunities around the world including places like Spain, Uganda, Denmark, England, and Ecuador.

Programs range from two weeks in duration to an entire year. Learn more about studying abroad as an LSC major by checking out the LSC Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Life Sciences Communication, BS (p. 178)
- Science Communication, Certificate (p. 184)

LIFE SCIENCES COMMUNICATION, BS

The Life Sciences Communication BS is being renamed Science Communication BS. Students will be able to earn a Life Sciences Communication BS through the end of Summer 2027. Beginning in Fall 2027, the program awarded will be the Bachelor of Science in Science Communication.

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Students can also participate in an honors in major program in LSC (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/life-sciences-communication/life-sciences-communication-bs/#requirementstext).

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State-of-the-art computer labs, radio labs, and video production equipment support student learning and preparation for careers.

Capstone courses provide students with an opportunity to put their LSC education into practice. Students apply their skills in the real world through these capstones, working with a real-life client on a social marketing campaign to influence behavioral change or participate in a science communication internship.

Students interested in science communication research can participate in research projects with professors leading the field of science communication.

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CUSTOMIZE A PATH OF STUDY

LSC is an attractive major and double major for students interested in a variety of fields including genetics, global health, environmental science, physics, legal studies, psychology, and more. The LSC major is highly customizable both in terms of course selection in the major and in the ability to add majors and certificates to the LSC bachelor's degree based on each student's interests and career goals.

MAKE A STRONG START

LSC introduces students to the field of science communication, the College of Agricultural and Life Sciences, and the university by offering LSC 155 First-Year Seminar in Science Communication, a seminar course for first-year students.

GAIN GLOBAL PERSPECTIVE

LSC students often participate in study abroad opportunities around the world including places like Spain, Uganda, Denmark, England, and Ecuador. Programs range from two weeks in duration to an entire year. Learn more about studying abroad as an LSC major by checking out the LSC Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/life-sciences-communication/). Students work with their advisor and the CALS study abroad office (https://cals.wisc.edu/academics/undergraduate/current-students/study-abroad/) to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.

Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students are not allowed to earn both the Science Communication Certificate and the Life Sciences Communication BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. Students must have a minimum of 15 credits within the Life Sciences Communication major that do not double count toward CALS or university general education requirements.

MATH AND STATISTICS FOUNDATION

We strongly recommend that all students complete MATH 112 College Algebra or MATH 114 Precalculus to complete the university quantitative reasoning A requirement and either STAT 301 Introduction to Statistical Methods, STAT 371 Introductory Applied Statistics for the Life Sciences or SOC/C&E SOC 360 Statistics for Sociologists I to complete the university quantitative reasoning B requirement.

REQUIRED COURSES

Code	Title	Credits
Foundation Course		
LSC 212	Introduction to Scientific Communication	3
Core		
LSC 250	Research Methods in the Communication Industry	3
LSC 251	Science, Media and Society	3
Complete two of the following:		6
LSC 270	Marketing Communication for the Sciences	
LSC 314	Introduction to Digital Video Production	

LSC 332	Digital and Print Media Design	
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	
LSC 350	Visualizing Science and Technology	
LSC 360	Science Podcasting & Radio	
Depth within the Major		
Complete 6 credits from one of the following depth categories (see course lists below):		6
Communication Strategy Depth		
Communication Skills and Technologies Depth		
Capstone		
LSC 515	Social Marketing Campaigns in Science, Health and the Environment	3
or LSC 640	Case Studies in the Communication of Science and Technology	
Total Credits		**24**

DEPTH WITHIN THE MAJOR

Communication Strategy Depth

This depth category focuses on the skills and theory necessary to effectively communicate with audiences in the life sciences context, while satisfying the long terms strategic goals of an organization. The depth category includes courses in marketing, strategic and risk communication, and data analysis.

Code	Title	Credits
Complete two of the following:		6
LSC 435	Brand Strategy for the Sciences	
LSC 440	Digital Media and Science Communication	
LSC 480	Culturally Responsive Science Communication	
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	
LSC 625	Risk Communication	
LSC 660	Data Analysis in Communications Research	

Communication Skills and Technologies Depth

This depth category focuses on the skills required to translate organized information into informative and persuasive messages for a variety of media, such as writing, documentary photography, social media, web design and video production.

Code	Title	Credits
Complete two of the following:		6
LSC 430	Communicating Science with Narrative	
LSC 432	Social Media for the Sciences	
LSC 450	Documentary Photography for the Sciences	
LSC 460	Social Media Analytics	
LSC 480	Culturally Responsive Science Communication	
LSC 532	Web Design for the Sciences	
LSC 614	Advanced Video Production	

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

LIFE SCIENCES COMMUNICATION HONORS IN THE MAJOR REQUIREMENTS

Students may apply for admission to honors in the major in Life Sciences Communication at any time but are strongly advised to apply before their junior year. Interested students are encouraged to meet with the Life Sciences Communication advisor with any questions about honors in the major.

- 24-28 credits of coursework, as outlined in the chart below.
- For the 15 credits of LSC coursework taken for honors credit:
  - Students must earn at least a 3.5 cumulative GPA in this coursework.
  - It is the student's responsibility to enroll in honors sections or to select honors optional in order for courses to count toward honors in the major.
  - Thesis and independent study credits do not count toward the required 15 credits of LSC honors coursework.
- Complete a senior honors thesis and present the thesis at the CALS Undergraduate Research Symposium or another public venue.

Code	Title	Credits
Required Coursework		
STAT 301	Introduction to Statistical Methods	3
or STAT 371	Introductory Applied Statistics for the Life Sciences	
or C&E SOC/ SOC 360	Statistics for Sociologists I	
LSC 289	Honors Independent Study	2
or LSC 299	Independent Study	
or LSC 699	Special Problems	
LSC 681 & LSC 682	Senior Honors Thesis and Senior Honors Thesis	4-8
15 credits of LSC coursework taken for honors credit		15
Total Credits		**24-28**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Specialized knowledge in theoretical and applied communication of science and technology, along with an education broad enough to meet the challenges of changing careers and opportunities.
2. The ability to think critically and creatively: to synthesize, analyze, and integrate ideas for decision making and problem solving.
3. The ability to communicate effectively across media and a broad range of audiences.
4. A global perspective; an appreciation for the interdependencies among individuals and their workplaces, communities, environments, and world; and an understanding of the interrelationships between science and society.
5. The ability to work with others in small or large groups, to recognize civic and social responsibilities, and to appreciate the uses of public policy in a democracy.
6. A respect for truth, a tolerance for diverse views, and a strong sense of personal and professional ethics.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE LIFE SCIENCES COMMUNICATION FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
LSC 100[1]	3	LSC 212	3
MATH 112 or 114[2]	3-5	LSC 250	3
CALS First Year Seminar	1	CHEM 103, 108, or 109	4-5
Humanities Elective	3	Ethnic Studies	3
Electives[3]	4-5	Elective	3
	14-17		**16-17**

Second Year

Fall	Credits	Spring	Credits
LSC 251	3	LSC Core Elective	3
STAT 301, 371, or C&E SOC 360[4]	3-4	CALS International Studies	3
Biological Science Elective	3	Science Breadth Elective	3
Humanities Elective	3	Electives	7
Elective	3		
	15-16		**16**

Third Year

Fall	Credits	Spring	Credits
LSC Core Elective	3	LSC Concentration	3
Social Science Elective	3	Biological Science Elective	3
Electives	9	Electives	9
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
LSC Concentration	3	LSC 515 or 640	3
Additional Science Elective	3	Electives	12
Electives	9		
	15		**15**

Total Credits 121-126

1. LSC 100 is not required for the major but is strongly encouraged for students who need to take a communication A course.
2. The program recommends MATH 112 or MATH 114 for students who need to complete the university quantitative reasoning A requirement.
3. Many Life Sciences Communication students choose to use elective spaces throughout their career to complete an additional major or certificate. Other students choose to take more LSC courses than the minimum required. Students should consult the advisor for more information and to create a personalized four-year plan based on their background, interests, and career goals.

[4] The program strongly recommends STAT 301, STAT 371, or C&E SOC/SOC 360 to fulfill the university quantitative reasoning B requirement.

THREE-YEAR PLAN

THREE-YEAR PLAN

This sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

These three-year road maps below are designed to provide an example of how a student could complete their BS in Life Sciences Communication within three years. One plan assumes you are entering college with 29 credits from Advanced Placement, International Baccalaureate, or college transfer courses, including fulfilling UW-Madison's quantitative reasoning A requirement through credit or placement scores. The other plan assumes you are entering without bringing in outside credits. Your specific program of study could, and probably will, look different. You should customize the road map to fit your unique path at UW–Madison. Consult with your advisor about the best path for you.

Students must complete at least 120 total credits to be eligible for graduation.

SAMPLE LIFE SCIENCES COMMUNICATION THREE-YEAR PLAN #1 [1]

First Year

Fall	Credits	Spring	Credits	Summer	Credits
LSC 100 (Comm A)[2]	3	LSC 212	3	Social Science Elective	3
CALS First Year Seminar	1	LSC 250	3		
Humanities Elective	3	CHEM 103, 108, or 109	4-5		
Electives[3]	7	Ethnic Studies	3		
	14		**13-14**		**3**

Second Year

Fall	Credits	Spring	Credits
LSC 251	3	LSC Core	3
STAT 301, 371, or C&E SOC 360[4]	3-4	Biological Science Elective	3
LSC Core	3	Humanities Elective	3
Additional Science Elective	3	Electives	7
Electives	3		
	15-16		**16**

Third Year

Fall	Credits	Spring	Credits
LSC Concentration	3	LSC Capstone	3
CALS International Studies	3	LSC Concentration	3
Science Breadth Elective	3	Biological Science Elective	3
Electives	6	Electives	6
	15		**15**

Total Credits 91-93

[1] Plan #1 assumes that students are coming to UW-Madison with approximately 29 credits from AP/IB or college transfer credits and that the University quantitative reasoning A requirement is fulfilled through transfer credit or placement scores. Your plan may look different depending on the number of credits you bring in.

[2] LSC 100 is not required for the major but is strongly encouraged for students who need to take a communication A course.

[3] Many Life Sciences Communication students use their elective coursework to take additional LSC courses, to add one or more certificates, to add a double major, or to take other coursework to work to achieve their academic and career goals.

[4] The program recommends STAT 301, STAT 371, or C&E SOC/SOC 360 to fulfill the university quantitative reasoning B requirement.

SAMPLE LIFE SCIENCES COMMUNICATION THREE-YEAR PLAN #2 [1]

First Year

Fall	Credits	Spring	Credits	Summer	Credits
LSC 100[2]	3	LSC 212	3	LSC 251	3
MATH 112 or 114[3]	3-5	LSC 250	3	Electives	6
CALS First Year Seminar	1	CHEM 103, 108, or 109	4-5		
Humanities Elective	3	Ethnic Studies	3		
Electives[4]	4	Elective	3		
	14-16		**16-17**		**9**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
STAT 301, 371, or C&E SOC 360[5]	3-4	Biological Science Elective	3	LSC Core	3
LSC Core	3	Social Sciences Elective	3	Science Breadth Elective	3
Additional Science Elective	3	Humanities Elective	3	Elective	3
Electives	7	Electives	7		
	16-17		**16**		**9**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
LSC Concentration	3	LSC Capstone	3	LSC Concentration	3

CALS International Studies	3 Biological Science Elective	3 Electives	6
Electives	9-11 Electives	10	
	15-17	**16**	**9**

Total Credits 120-126

1 Plan #2 assumes that you are coming to UW-Madison without credits from AP/IB or another college/university.
2 LSC 100 is not required for the major but is strongly encouraged for students who need to take a communication A course.
3 The program recommends MATH 112 or MATH 114 for students who need to complete the university quantitative reasoning A requirement.
4 Many Life Sciences Commmunication students use their elective coursework to take additional LSC courses, to add one or more certificates, to add a double major, or to take other coursework to work to achieve their academic and career goals.
5 The program strongly recommends STAT 301, STAT 371, or C&E SOC/SOC 360 to fulfill the university quantitative reasoning B requirement.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each LSC student is assigned to both an academic advisor and a faculty mentor in LSC. The academic advisor is a professional advisor who works with students on planning their coursework, as well as navigating and getting involved on campus. Current and prospective students should contact the advisor with questions.

The faculty mentors are LSC faculty and instructors who provide students with another direct contact and resource in the department specifically focusing on career conversations as well as how to get involved in research as a student.

CAREER OPPORTUNITIES

LSC alumni hold professional positions in communications, digital marketing, environmental advocacy, and research or consulting in a variety of industries including health care, media, education, agriculture, information technology and life sciences. Many pursue advanced degrees in graduate and professional programs in the health, biological, social and physical sciences.

Graduates are recognized for their skills in social media, event management, marketing, leadership, public speaking, customer service, public relations, strategic planning, research, data analysis, writing and digital video production.

LSC has a large alumni network across many industries and fields. To connect students to these networks, LSC hosts career panels during the academic year, posts alumni profiles (https://lsc.wisc.edu/alumni-friends/what-our-undergraduate-alumni-are-doing/) on its website, and manages a LinkedIn group to share job opportunities and facilitate connections between alumni and students.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Most LSC students participate in internships during their time as undergraduates. LSC staff notify students of opportunities to apply for summer and academic year internships related to science communication and students are encouraged to discuss their goals with their career mentor (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/life-sciences-communication/life-sciences-communication-bs/#advisingandcareerstextcontainer). Students intern with marketing agencies, environmental and sustainability organizations, and healthcare and agricultural agencies. Read about student internship experiences (https://lsc.wisc.edu/?s=internship&submit=Search).

STUDENT ORGANIZATIONS

LSC is home to both the Science Communication Club, Journal of Undergraduate Science and Technology, and the National Agri-Marketing Association UW–Madison chapter (https://lsc.wisc.edu/student-organizations/), and there are many additional opportunities for students to get involved with other student organizations on campus.

GLOBAL ENGAGEMENT

LSC students are encouraged to gain global perspective by participating in study abroad opportunities all over the world including places like Spain, Uganda, Denmark, England, and Ecuador. Students choose programs ranging anywhere from two weeks in duration to an entire year. Learn more about studying abroad as an LSC major (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/life-sciences-communication/).

LSC offers a course introducing students to communication at the intersection of science, politics, and society to provide students with an international perspective on science communication. Taught by faculty from around the world, LSC courses provide an overview of the theoretical foundations of science communication and their relevance for societal debates about science and emerging technologies across different parts of the world.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

LSC students often volunteer in healthcare, non-profits, advocacy agencies, and more. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. LSC awards over $42,000 in scholarships each year to students in the department. Students apply for CALS and LSC scholarships through a single application in the Wisconsin Scholarship Hub (WiSH). Learn more about college scholarships (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

SCIENCE COMMUNICATION, CERTIFICATE

The Department of Life Sciences Communication (LSC) is one of the world's leading science communication programs, working at the intersection of science, media and society. The certificate in science communication teaches students how to understand the way we all make sense of increasingly complex scientific breakthroughs. Certificate students will gain an introduction to science communication theory and practical experience which allows them to more effectively communicate about controversial science in areas such as gene editing, the environment, health, agriculture, and artificial intelligence.

HOW TO GET IN

HOW TO GET IN

Students are eligible to declare the certificate at any point in their undergraduate career but are encouraged to declare as early as possible to plan the required coursework. Students are encouraged to meet with the advisor to discuss certificate requirements and ensure it fits with their academic and career goals. Students who are ready to declare the certificate can do so by completing this form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_294pS5tCjs8sjVI/).

Students are not allowed to earn both the science communication certificate and life sciences communication major.

REQUIREMENTS

REQUIREMENTS

- Minimum 2.0 GPA on all certificate courses
- At least 9 credits must be taken in residence at UW-Madison
- Courses in which a student elects the pass/fail option will not count toward completion of the certificate requirements

Code	Title	Credits
Core Course (Required)		
LSC 251	Science, Media and Society	3
Focus Area, complete one course in each focus area (see lists below)		**6**
Communication Strategy		
Communication Skills Technology		
Elective, complete one course from either focus area (see lists below)		**3**
Communication Strategy		
Communication Skills Technology		
Total Credits		**12**

FOCUS AREAS

Communication Strategy

Code	Title	Credits
LSC 250	Research Methods in the Communication Industry	3
LSC 270	Marketing Communication for the Sciences	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
LSC 350	Visualizing Science and Technology	3
LSC 435	Brand Strategy for the Sciences	3
LSC 440	Digital Media and Science Communication	3
LSC 480	Culturally Responsive Science Communication	3
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	3
LSC 625	Risk Communication	3
LSC 660	Data Analysis in Communications Research	3

Communication Skills & Technology

Code	Title	Credits
LSC 212	Introduction to Scientific Communication	3
LSC 314	Introduction to Digital Video Production	3
LSC 332	Digital and Print Media Design	3
LSC 360	Science Podcasting & Radio	3
LSC 430	Communicating Science with Narrative	3
LSC 432	Social Media for the Sciences	3
LSC 450	Documentary Photography for the Sciences	3
LSC 460	Social Media Analytics	3
LSC 480	Culturally Responsive Science Communication	3
LSC 532	Web Design for the Sciences	3
LSC 614	Advanced Video Production	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply knowledge in theoretical and applied communication to help meet society's biggest challenges in science and technology.
2. Discuss the interdependencies among individuals and their workplaces, communities, environments, and world; and the interrelationships between science and society.
3. Communicate effectively across media and a broad range of audiences.

4. Collaborate with others in small and large groups, demonstrating an appreciation for diverse views and a strong sense of personal and professional ethics.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Current and prospective students should contact the advisor with questions or schedule an advising meeting using Starfish.

CAREERS

The interdisciplinary education provided through the certificate in science communication will make graduates highly sought after by employers across both scientific and communication industries. Graduates can pursue careers in science writing, digital media and marketing, public health, environmental advocacy, and research in industry, non-profits and the government. Alternatively, others may go on to graduate and professional schools in the health, biological, social and physical sciences.

We encourage you to check out our website (http://lsc.wisc.edu/) to view recent alumni profiles.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

LSC staff notify certificate students of opportunities to apply for summer and academic year internships related to science communication. Students could intern with marketing agencies, environmental and sustainability organizations, and healthcare and agricultural agencies.

STUDENT ORGANIZATIONS

LSC is home to the Science Communication Club, Journal of Undergraduate Science and Technology (JUST), and the National Agri-Marketing Association UW–Madison chapter (https://lsc.wisc.edu/student-organizations/), and there are many additional opportunities for students to get involved with other student organizations on campus.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Certificate students could volunteer in healthcare, non-profits, advocacy agencies, and more. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

NUTRITIONAL SCIENCES

Nutritional sciences is an interdisciplinary field rooted in biology and biochemistry. The majors integrates the study of nutrition within the role of diet in health and disease and combines the basic and applied sciences to health and medicine.

The Department of Nutritional Sciences offers two areas of undergraduate study in nutrition, both of which require core courses within the chemistry, physiology, biochemical, clinical, business, and public health aspects of nutrition.

With focus on nutrition and preventative health, the Nutritional Sciences majors provide an excellent foundation for students who are looking to work in clinical and community nutrition, prepare for graduate education in the health and biochemical sciences, and/or pursue careers in research and industry.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Nutritional Sciences, BS (p. 185)
- Nutritional Sciences, BS Nutrition and Dietetics (p. 190)

NUTRITIONAL SCIENCES, BS

Nutritional sciences is the study of the biochemical and physiological basis of how diet impacts health and disease. Students explore a variety of biological concepts including biochemistry, genetics, microbiology, kinesiology, community nutrition, and epidemiology to understand how nutrients in food affect the body.

Students can tailor their studies by selecting from more than 20 courses covering a wide variety of topics, including, microbiology, genetics, obesity, metabolism, kinesiology and sports nutrition, as well as ethics of public health, global health, community nutrition, and cultural aspects of food. Many students supplement their studies outside of the classroom by contributing to research in a university lab or volunteering in the community.

With an emphasis on human health, the program prepares students for health and research careers in a variety of settings, including healthcare, education, corporate wellness, sports nutrition, government agencies, food companies, or pharmaceuticals.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCE

In the classroom, students apply what they learn to real-world cases and approach nutritional health as they would in a clinical setting. Some courses also include field experiences or community-based learning experiences.

Because of the emphasis on biological sciences, many students choose to join a professor's research lab and may earn credit for their work within the lab. Students also have opportunities for community service internships under the guidance of a faculty member.

BUILD COMMUNITY AND NETWORKS

The Dietetics and Nutrition Club (DNC) (https://nutrisci.wisc.edu/undergraduate/dietetics-and-nutrition-club/) is a registered student organization open to undergraduate and graduate students. The club offers a variety of opportunities for members to engage in networking events, participate in volunteer and community outreach opportunities, and learn about the field of nutrition and the dietetics profession.

CUSTOMIZE A PATH OF STUDY

With nearly 20 elective courses available in the third and fourth years of the program, students can plan their coursework to best fit their professional goals and explore scientific principles of greatest interest to them.

Students may participate in the college's Honors in Research program (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/honors-research/). Many students enhance their major by participating in a certificate program such as the Biology Core Curriculum Honors (Biocore) Certificate (https://guide.wisc.edu/undergraduate/letters-science/biology-core-curriculum/biology-core-curriculum-honors-certificate/).

MAKE A STRONG START

First-year seminar courses (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext) help students maximize their education, develop professional skills, and make informed decisions about their classes, internships, and career paths.

GAIN GLOBAL PERSPECTIVE

Several courses emphasize global health and world nutrition. Many students pair a major in Nutritional Sciences with the Global Health Certificate, which includes a field experience/internship focused on a health-related topic of global importance.Students can explore studying abroad as a Nutritional Sciences major by utilizing the Nutritional Sciences Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1

International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following (or may be satisfied by placement exam):		5-6
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 221	Calculus and Analytic Geometry 1	
Complete one of the following:		3-5
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Introductory Biology		
Complete one of the following options:		10
Option 1:		
BOTANY/ BIOLOGY 130	General Botany	
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
Option 2:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option 3:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
Nutritional Sciences Biology		
Complete one of the following options:		8-13
Option 1:		
ANAT&PHY 335	Physiology	
GENETICS 466	Principles of Genetics	
And complete one of the following: [1]		
MICROBIO 101 & MICROBIO 102	General Microbiology and General Microbiology Laboratory	
MICROBIO 303 & MICROBIO 304	Biology of Microorganisms and Biology of Microorganisms Laboratory	
Option 2: [2]		
BIOCORE 485	Principles of Physiology	
BIOCORE 486	Principles of Physiology Laboratory	
BIOCORE 587	Biological Interactions	
Physics		
Complete one of the following:		8-10
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	
Core		
NUTR SCI/AN SCI/ DY SCI 311	Comparative Animal Nutrition	3
or NUTR SCI 332	Human Nutritional Needs	
NUTR SCI 431	Nutrition in the Life Span	3
BIOCHEM/NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
Complete one of the following:		3-7
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	
Electives within the Major		
Complete 6 credits from the following:		6
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
ANAT&PHY 337	Human Anatomy	
ANAT&PHY 338	Human Anatomy Laboratory	
ANTHRO 365	Medical Anthropology	
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	
BIOCHEM/ M M & I 575	Biology of Viruses [3]	
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease [4]	
C&E SOC/ SOC 533	Public Health in Rural & Urban Communities	
CHEM 311	Chemistry Across the Periodic Table	

CHEM 327	Fundamentals of Analytical Science
CHEM 329	Fundamentals of Analytical Science
DY SCI 378	Lactation Physiology
FOOD SCI/ AN SCI 321	Food Laws and Regulations
FOOD SCI/ MICROBIO 325	Food Microbiology
GENETICS 545	Genetics Laboratory
PLANTSCI 338	Plant Breeding and Biotechnology
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy
MED HIST/ PHILOS 515	Public Health Ethics
MED HIST/ PHILOS 558	Ethical Issues in Health Care
M M & I/PATH-BIO 528	Immunology
NUTR SCI 375	Special Topics
NUTR SCI 377	Cultural Aspects of Food and Nutrition
NUTR SCI 379	Introduction to Epidemiology
NUTR SCI/INTER-AG 421	Global Health Field Experience
NUTR SCI/ KINES 525	Nutrition in Physical Activity and Health
NUTR SCI 500	Undergraduate Capstone Seminar Laboratory
NUTR SCI 540	Community Nutrition and Health Equity
NUTR SCI 618	Research Approaches in the Era of Precision Nutrition [3]
NUTR SCI/ BIOCHEM 619	Advanced Nutrition: Intermediary Metabolism of Macronutrients [3]
NUTR SCI/ POP HLTH 621	Introduction to Nutritional Epidemiology [3]
NUTR SCI 627	Advanced Nutrition: Vitamins [3]
NUTR SCI 631	Clinical Nutrition I
NUTR SCI 681	Senior Honors Thesis [4]
NUTR SCI 682	Senior Honors Thesis [4]
NUTR SCI 691	Senior Thesis-Nutrition [4]
NUTR SCI 692	Senior Thesis [4]
NUTR SCI 699	Special Problems [5]
ONCOLOGY 401	Introduction to Experimental Oncology
PATH 404	Pathophysiologic Principles of Human Diseases
POP HLTH/ C&E SOC 370	Introduction to Public Health
ZOOLOGY 470	Introduction to Animal Development
ZOOLOGY 570	Cell Biology
Capstone	
Complete one of the following:	1-8
NUTR SCI 500	Undergraduate Capstone Seminar Laboratory
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis
NUTR SCI 691 & NUTR SCI 692	Senior Thesis-Nutrition and Senior Thesis
NUTR SCI 699	Special Problems [6]
Total Credits	**66-91**

1 Consult advisor about combining MICROBIO 303 with MICROBIO 102.
2 If the Biocore sequence is taken to fulfill the first biology requirement, it must be taken to fulfill the second biology requirement.
3 These courses are taught primarily to graduate students. Permission to enroll from instructor may be required.
4 Note that for NUTR SCI 681/NUTR SCI 682 (Senior Honors Thesis) and NUTR SCI 691/NUTR SCI 692 (Senior Thesis), both courses in the sequence must be completed in order to earn a grade.
5 May count up to 6 credits of NUTR SCI 699 Special Problems towards the electives requirement.
6 Consult advisor regarding the possibility of completing NUTR SCI 699 Special Problems for capstone.

RECOMMENDED NUTRITIONAL SCIENCE ELECTIVES

Code	Title	Credits
ANTHRO 365	Medical Anthropology	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	3
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
CHEM 311	Chemistry Across the Periodic Table	4
CHEM 327	Fundamentals of Analytical Science	4
CHEM 329	Fundamentals of Analytical Science	4
AN SCI/ FOOD SCI 305	Introduction to Meat Science and Technology	4
FOOD SCI/ AN SCI 321	Food Laws and Regulations	1
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 545	Genetics Laboratory	2
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory	2
MED HIST/ PHILOS 515	Public Health Ethics	3
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
M M & I/PATH-BIO 528	Immunology	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
NUTR SCI 375	Special Topics	1-4

NUTR SCI 377	Cultural Aspects of Food and Nutrition	3
NUTR SCI/INTER-AG 421	Global Health Field Experience	1-4
NUTR SCI 500	Undergraduate Capstone Seminar Laboratory	1
NUTR SCI/ KINES 525	Nutrition in Physical Activity and Health	3
NUTR SCI 540	Community Nutrition and Health Equity	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH 404	Pathophysiologic Principles of Human Diseases	3
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY 570	Cell Biology	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Obtains and can articulate specialized knowledge in the field of nutritional sciences and dietetics along with an education broad enough to meet the challenges of future careers and opportunities.
2. Obtains and can articulate foundational knowledge in areas relevant to the field of nutrition and dietetics.
3. Communicates complex ideas in a clear and understandable manner through both written and oral presentations.
4. Demonstrates quantitative literacy in math and statistics relevant to nutritional sciences and dietetics.
5. Demonstrates the ability to think critically and creatively, to synthesize, analyze, and integrate ideas for decision making and problem solving.
6. Develops the skills for life-long learning and is capable of locating, interpreting, and critically evaluating professional literature and current research.
7. Develops a global perspective and an appreciation for the interdependencies among individuals and their workplaces, communities, environments, and world; and an understanding of the interrelationships between science and society.
8. Develops a respect for truth, a tolerance for diverse views, and a strong sense of personal and professional ethics.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE NUTRITIONAL SCIENCES FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109[1]	4-5	CHEM 104[1]	5
MATH 113 (if needed)[2]	3	Social Sciences	3-4
COMM A	3	Ethnic Studies	3
CALS First Year Seminar	1	Elective	3
Electives	3-4		
	14-16		**14-15**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	NUTR SCI 332	3
STAT 301 or 371	3	CHEM 345	3
BIOLOGY/BOTANY/ ZOOLOGY 151[3]	5	BIOLOGY/BOTANY/ ZOOLOGY 152[3]	5
CALS International Studies	3	Humanities	3-4
	14		**14-15**

Third Year

Fall	Credits	Spring	Credits
BIOCHEM 501 or 507 (if taking BIOCHEM 507, take BIOCHEM 508 in Spring)	3	NUTR SCI 431	3
CHEM 344	2	MICROBIO 101 or 303	3
ANAT&PHY 335	5	MICROBIO 102 or 304	2
Humanities	3	Nutritional Sciences Elective[5]	3-4
Elective	3	Electives	3-4
	16		**14-16**

Fourth Year

Fall	Credits	Spring	Credits
GENETICS 466[4]	3	NUTR SCI 500	1
NUTR SCI/ BIOCHEM 510	3	PHYSICS 104	4
PHYSICS 103	4	Nutritional Sciences Electives[5]	3-6

Electives	6 Electives	6
	16	**14-17**

Total Credits 116-125

1 In order to take CHEM 103/CHEM 104 or CHEM 109, students must have a suitable math placement score or completion of MATH 112, MATH 114, MATH 221, or equivalent.
2 MATH course dependent on placement score and transfer credit evaluation.
3 BIOLOGY/BOTANY/ZOOLOGY 151 & BIOLOGY/BOTANY/ZOOLOGY 152 fulfills the COMM B requirement.
4 BIOCORE 381/BIOCORE 382, BIOCORE 383/BIOCORE 384, BIOCORE 485/BIOCORE 486, BIOCORE 587 also accepted.
5 Select 6 credits from major elective options.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students are assigned a professional advisor who assists them with building their personalized Wisconsin Experience – including a strong curriculum to match student interests – and provides advising on career paths including graduate school or pursuing advanced degrees in the health sciences.

Professors provide mentorship to students in the program through work on faculty-led research, including learning research paper- and grant-writing skills, communicating about scientific concepts, and presenting research results to different audiences.

CAREER OPPORTUNITIES

Graduates of the program are working as physicians, scientists, physician assistants, nutrition product developers, food service directors, nutrition educators, wellness directors, and professors; and have a wide range of employers, including hospitals, clinics, nursing homes, school districts, food companies, universities, grocery stores, and non-profit organizations.

Alumni are recognized for their skills in healthcare, leadership, clinical research, communication, critical thinking, and problem-solving.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

RESEARCH EXPERIENCE

Undergraduate students have the opportunity to take for-credit and not-for-credit hours in labs (https://cals.wisc.edu/academics/undergraduate/future-students/learn-through-hands-on-real-world-experiences/) to participate in research and learn additional lab skills. Faculty-led research programs inform the scientific understanding of nutrition's role in health. Students can work with internationally recognized researchers who study metabolism, genetics, genomics, physiology, and nutritional management of diseases including phenylketonuria (PKU), cystic fibrosis, and diabetes.

GLOBAL ENGAGEMENT

Faculty and students in the program have many connections with global activities. The UW Mobile Clinic and Health Care in Uganda (https://studyabroad.wisc.edu/program/?programId=532) study abroad program provides students an opportunity to visit Uganda and learn about nutrition and public health. The Village Health Project (https://www.villagehealthproject.org/) student organization grew out of students traveling to Uganda on UW–Madison programs and supports ongoing public health projects in the region.

STUDENT ORGANIZATIONS

The Dietetics and Nutrition Club (DNC) (https://nutrisci.wisc.edu/undergraduate/dietetics-and-nutrition-club/), open to undergraduate and graduate students, hosts biweekly evening meetings featuring speakers on many topics related to nutrition. The group also assists students in finding volunteer and job opportunities in the field of nutrition.

VOLUNTEER ACTIVITIES

Students volunteer through many different programs in the community. Examples include:

- Volunteering at UW Hospitals and Clinics or other local hospitals to gain experience in patient care
- Joining the student organization Slow Food UW, a group that hosts dinners in the Madison community
- Addressing food insecurity through student groups including Food Justice Collective, Campus Food Shed, UW Frozen Meals program, Open Seat food pantry, Food Recovery Network-Madison Chapter, F.H. King: Students for Sustainable Agriculture; and Madison-area food pantries such as Madison Community Fridges

The Dietetics and Nutrition Club also offers volunteer opportunities.

INTERNSHIPS

Students may obtain academic credit along with community-based engagement by creating their own internship under the supervision of a faculty member.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Department of Nutritional Sciences awards tens of thousands of dollars in scholarship funds (https://nutrisci.wisc.edu/undergraduate/scholarships/) for students each year and Nutritional Sciences students are also eligible for scholarships in the College of Agricultural and Life Sciences.

Students in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships. (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/)

NUTRITIONAL SCIENCES, BS NUTRITION AND DIETETICS

In this major, students explore nutrition through clinical and management courses and prepare for postgraduate training required to become registered dietitian nutritionists (RDN). With an increased emphasis on the role of food and nutrition in treating and preventing disease, employment of registered dietitians is projected to grow faster than other occupations.

Registered dietitian nutritionists work in a wide variety of settings, including health care, business and industry, community and public health, education, research, government agencies, and private practice. Many organizations, particularly those in medical and health care settings, require RDN credentials.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Courses expose students to clinical problem-solving, assessing medical record data, evaluating food intake, planning modified diets, and reviewing medical and research literature related to certain diseases or conditions. This training develops critical thinking, teamwork, and communication skills needed by dietetic interns and registered dietitians.

BUILD COMMUNITY AND NETWORKS

The Dietetics and Nutrition Club (https://win.wisc.edu/organization/dnc/) is an academic and professional registered student organization offering a variety of opportunities for members to participate in networking events, volunteer activities, and community outreach opportunities.

CUSTOMIZE A PATH OF STUDY

Students in the program can pursue Honors in Research (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/honors-research/) through the College of Agricultural and Life Sciences.

Many students enhance their major by participating in a certificate program, including Global Health (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/nutritional-sciences/global-health-certificate/).

MAKE A STRONG START

First-year seminar courses (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext) help students maximize their education, develop professional skills, and make informed decisions about their classes, internships, and career paths.

GAIN GLOBAL PERSPECTIVE

Several courses emphasize global health and world nutrition, and UW–Madison offers more than a dozen study abroad and exchange programs that include a nutritional science component. Students can explore studying abroad utilizing the Nutrition and Dietetics Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO NUTRITIONAL SCIENCES BS NUTRITION AND DIETETICS DEGREE PROGRAM

Students will have Pre-Dietetics classification until admission to the nutrition and dietetics degree program (Dietetics classification) as defined by completion of prerequisite courses with a cumulative GPA of #2.0, as well as, an overall GPA of #2.0. Students must apply for and be admitted to the program no later than the end of the semester in which the student accumulates 86 credits, which is senior standing. Department approval is required for admission. Students who are not admitted to the program by the time they accumulate 86 credits will not be allowed to continue in the Pre-Dietetics classification.[1]

To be admitted to the BS Nutritional Sciences nutrition and dietetics program, the following requirements must be met effective fall 2019:

1. A minimum overall cumulative GPA of #2.0. Cumulative GPA will be based on UW–Madison courses only.
2. Students **must** have completed one semester at UW–Madison before applying.
3. A minimum mean GPA of #2.0 in the following required[2] prerequisite courses:

Code	Title	Credits
Select one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Select one of the following:		5
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
ANAT&PHY 335	Physiology	5
NUTR SCI 332	Human Nutritional Needs	3
Select one of the following:		3-4
PSYCH 202	Introduction to Psychology	
MICROBIO 101	General Microbiology	
PSYCH 210	Basic Statistics for Psychology	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
GEN BUS 360	Workplace Writing and Communication	

[1] This policy is applicable to undergraduate students entering or transferring into Pre-Dietetics classification fall 2018 and beyond. Students who have already completed a college degree (BS or BA) may choose to pursue the Nutritional Sciences nutrition and dietetics program as either a second degree candidate, or as a Didactic Program in Dietetics (DPD) completer. Because they have already completed a bachelor's degree, second-degree candidates and DPD completers are not required to follow this progression policy. Progression for these students will be closely monitored by the program coordinator.

[2] Any transfer course from another university that will be used to meet the above required courses **cannot** be included in the GPA calculation. If the same course is taken more than once, only the grade from the last time the course was taken will be used in the GPA calculation.

Note: Admission to the DPD program is competitive, as enrollment is limited by accreditation standards; students meeting the minimum criteria are not guaranteed admission.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following (or may be satisfied by placement exam):		3-5
MATH 112	College Algebra	
MATH 114	Precalculus [1]	
Complete one of the following:		3-4
PSYCH 210	Basic Statistics for Psychology	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Complete one of the following:		3
CHEM 341	Elementary Organic Chemistry	
CHEM 343	Organic Chemistry I	
Complete one of the following:		3
BIOCHEM 301	Survey of Biochemistry	
BIOCHEM 501	Introduction to Biochemistry	
Biology		
Complete one of the following:		5
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
Complete one of the following: [2]		5
MICROBIO 101 & MICROBIO 102	General Microbiology and General Microbiology Laboratory	
MICROBIO 303 & MICROBIO 304	Biology of Microorganisms and Biology of Microorganisms Laboratory	
Foundation		

ANAT&PHY 335	Physiology	5
PSYCH 202	Introduction to Psychology	3
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
GEN BUS 360	Workplace Writing and Communication	3
Core		
FOOD SCI 301	Introduction to the Science and Technology of Food	3
FOOD SCI 437	Food Service Operations	4
NUTR SCI 200	Professional Skills in Dietetics	1
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI 431	Nutrition in the Life Span	3
BIOCHEM/NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
NUTR SCI 540	Community Nutrition and Health Equity	3
NUTR SCI 631	Clinical Nutrition I	3
NUTR SCI 632	Clinical Nutrition II	3
Capstone		
NUTR SCI 500	Undergraduate Capstone Seminar Laboratory	1
NUTR SCI 641	Applications in Clinical Nutrition I	1
NUTR SCI 642	Applications in Clinical Nutrition II	1
Total Credits		**70-77**

[1] Note that placement into MATH 114 does not guarantee that credit has been earned for MATH 112.

[2] Consult advisor about combining MICROBIO 303 with MICROBIO 102.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Obtains and can articulate specialized knowledge in the field of nutritional sciences and dietetics along with an education broad enough to meet the challenges of future careers and opportunities.
2. Obtains and can articulate foundational knowledge in areas relevant to the field of nutrition and dietetics.
3. Communicates complex ideas in a clear and understandable manner through both written and oral presentations.
4. Demonstrates quantitative literacy in math and statistics relevant to nutritional sciences and dietetics.
5. Demonstrates the ability to think critically and creatively, to synthesize, analyze, and integrate ideas for decision making and problem solving.
6. Develops the skills for life-long learning and is capable of locating, interpreting, and critically evaluating professional literature and current research.
7. Develops a global perspective and an appreciation for the interdependencies among individuals and their workplaces, communities, environments, and world; and an understanding of the interrelationships between science and society.
8. Develops a respect for truth, a tolerance for diverse views, and a strong sense of personal and professional ethics.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN—NUTRITIONAL SCIENCES NUTRITION AND DIETETICS DEGREE

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or MATH 112	3-4	CHEM 104	5
COMM A	3	PSYCH 202	3-4
CALS First Year Seminar	1	BIOLOGY/ ZOOLOGY 101	3
Ethnic Studies	3-4	BIOLOGY/ ZOOLOGY 102	2
Elective (NUTR SCI 132 recommended)	3	Elective	3
	13-15		**16-17**

Second Year

Fall	Credits	Spring	Credits
CHEM 341[1]	3	NUTR SCI 332	3
MICROBIO 101 or 303	3	ANAT&PHY 335	5
MICROBIO 102 or 304	2	GEN BUS 360 or 310	3
Humanities	3	Statistics Requirement	3-4
Electives	3-4		
	14-15		**14-15**

Third Year

Fall	Credits	Spring	Credits
FOOD SCI 301	3	NUTR SCI 431[2]	3
GEN BUS 310 or 360	3	NUTR SCI/ BIOCHEM 510	3
BIOCHEM 501 or 301[5]	3	NUTR SCI 540[3, 4]	3
Electives	6-7	CALS International Studies	3
		Humanities	3-4
	15-16		**15-16**

Fourth Year

Fall	Credits	Spring	Credits
NUTR SCI 200[1]	1	NUTR SCI 632[3]	3
NUTR SCI 631[1]	3	NUTR SCI 642[3]	1
NUTR SCI 641[1]	1	Electives	11
FOOD SCI 437[1]	4		
NUTR SCI 500	1		
Electives	6		
	16		**15**

Total Credits 118-125

1 Offered only fall semester.
2 Offered only spring and summer semesters.
3 Offered only spring semester.
4 May be taken spring of third year or spring of fourth year.
5 BIOCHEM 501 is offered fall and spring. BIOCHEM 301 is offered spring only.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students are assigned a professional advisor who assists them with building their personalized Wisconsin Experience – including a strong curriculum to match student interests – and provides advising on career paths including graduate school or pursuing advanced degrees in the health sciences.

Professors provide mentorship to students in the program through work on faculty-led research, including learning research paper- and grant-writing skills, communicating about scientific concepts, and presenting research results to different audiences.

CAREER OPPORTUNITIES

Alumni of the program are working as Registered Dietitian Nutritionists (RDNs), clinical nutritionists, physician assistants, nutrition directors and counselors, and health coaches. RDNs work in hospitals, outpatient clinics, schools, colleges, wellness programs, and nursing homes, as well as in public health agencies, the food industry, and research labs. See the Certification/Licensure tab to learn more about the requirements to become an RDN.

The Academy of Nutrition and Dietetics offers more information on career paths (https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/high-school-students/exploring-a-career-in-dietetics/) in dietetics.

Students can connect with CALS Career Services (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/) to explore various career paths and opportunities.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

The Dietetics and Nutrition Club (DNC) (https://nutrisci.wisc.edu/undergraduate/dietetics-and-nutrition-club/), open to undergraduate and graduate students, hosts biweekly evening meetings featuring speakers on many topics related to nutrition. The group also assists students in finding volunteer and job opportunities in the field of nutrition.

Students can join the Academy of Nutrition and Dietetics (http://eatright.org/), the world's largest organization of food and nutrition professionals, providing public information on advocacy, leadership, career development, dietetics resources, position, and practice papers.

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students in the program volunteer throughout the community on projects related to nutrition and food through student organizations like Slow Food UW (https://win.wisc.edu/organization/slowfood-uw/) or the Campus Food Shed (https://goldman.horticulture.wisc.edu/outreach-and-program-resources/uw-campus-food-shed/). Several students have developed their own community projects to educate people about nutrition and to fight food insecurity.

GLOBAL ENGAGEMENT

Faculty and students in the program have many connections with global activities. The UW Mobile Clinic and Health Care in Uganda (https://studyabroad.wisc.edu/program/?programId=532) study abroad program provides students an opportunity to visit Uganda and learn about nutrition and public health. The Village Health Project student organization (http://villagehealthproject.org/) grew out of students traveling to Uganda on UW–Madison programs and supports ongoing public health projects in the region.

RESEARCH EXPERIENCE

Undergraduate students have the opportunity to participate in independent research in labs to learn research techniques. Students can expand their scientific knowledge outside of the classroom and contribute to ongoing papers, research, and discoveries. These experiences lead some students to pursue graduate studies in research after graduation. Read more about faculty research opportunities (https://nutrisci.wisc.edu/people/faculty-staff/).

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

REGISTERED DIETITIAN NUTRITIONIST (RDN) CREDENTIAL

A Nutritional Sciences BS in Nutrition and Dietetics fulfills the Didactic Program in Dietetics (DPD) portion of the DPD + Dietetic Internship pathway to become an RDN. Following completion of the Nutritional Sciences BS in Nutrition and Dietetics (DPD), students must complete

a supervised practicum (dietetic internship) and a master's degree to be eligible to sit for the national RDN examination.

For more information see: https://www.eatright.org/become-an-rdn (https://www.eatright.org/become-an-rdn/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Department of Nutritional Sciences awards tens of thousands of dollars in scholarship funds (https://nutrisci.wisc.edu/undergraduate/scholarships/) for students each year, and Nutrition and Dietetics students are also eligible for scholarships in the College of Agricultural and Life Sciences (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

The Academy of Nutrition and Dietetics Foundation provides dietetic scholarships to students. Visit eatrightfoundation.secure-platform.com/a (https://eatrightfoundation.secure-platform.com/a/) for more information.

ACCREDITATION

ACCREDITATION

Accreditation Council for Education in Nutrition and Dietetics (https://www.eatrightpro.org/acend/)

Accreditation status: Accredited. Next accreditation review: 2027.

PLANT AND AGROECOSYSTEM SCIENCES

The Department of Plant and Agroecosystem Sciences addresses humanity's grand challenges through programs of research, education, and outreach that range from investigations of the inner workings of plants to their interactions with landscapes and climate. Our scholarly interests include the disciplines of agronomy, horticulture, ecology, agroecology, plant breeding and plant genetics, crop science, weed science, and production agriculture as they relate to agronomic and horticultural systems. Many plant species and cropping systems are studied for a diversity of uses that contribute to ecosystem, community, and individual health and well-being. Many faculty and staff in the department have appointments partially funded by the Division of Extension, which supports the people of Wisconsin (and beyond) through educational programming and applied research. Members of the department engage in transdisciplinary efforts that leverage advances in technology and data science to improve the resilience and adaptiveness of agricultural systems in the face of climate change; improve the sustainability of agricultural systems; and contribute to positive socio-ecological outcomes by increasing access to more sustainably produced food, feed, fiber and fuel.

The department was formed in 2023 by joining together the Department of Agronomy and the Department of Horticulture. The new department offers undergraduate and graduate degrees in Agronomy, Agroecology, Horticulture, and Plant Science and Technology, and our faculty train graduate students in a wide range of graduate programs, including Plant Breeding and Plant Genetics.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Agroecology, BS (p. 195)
- Agronomy, BS (p. 201)
- Horticulture, BS (p. 207)
- Plant Science and Technology, BS (p. 213)

AGROECOLOGY, BS

Agroecology works to make agriculture and food systems more sustainable. Agroecologists consider agricultural and food systems as a whole to improve human health and well-being. Agroecologists study plants, animals, microbes, soils, water, air, and people. They examine the role of ecology, sociology, economics, and politics in agriculture, and work to support solutions to global challenges like climate change, food insecurity, biodiversity decline, and social inequality.

WHAT WILL I STUDY IN AGROECOLOGY?

- First-Year Seminar: Make a strong start through a CALS First-Year seminar (p. 46). These seminars allow students to explore different areas of study, learn how to access campus resources, and make friends and connections.
- Foundation Courses: Build a strong, basic understanding of the biological and social sciences.
- Core Courses: AGROECOL/C&E SOC/ENTOM/ENVIR ST 103, the introductory core course in agroecology, introduces all students to the field and provides the opportunity to establish academic and social networks. Students continue to learn agroecological theory and apply it to the improvement of agricultural systems in AGROECOL 303. The capstone course, AGROECOL 503, provides a connection between the classroom and real-world issues.
- Major Depth and Breadth Electives: Pursue personal and career interests in the field of agroecology through flexible course options. Study animals and plants, microscopic life, ecosystems, natural resources, agricultural practices, health and nutrition, and communities.
- Hands-On-Learning: Get involved in greenhouses, fieldwork, or research in labs with faculty and staff in CALS.

The knowledge and skills developed through the agroecology major prepare students for a wide variety of careers. Some of the areas students may work in include conservation and environmental organizations; the agricultural industry; local, state, and federal agencies; consulting; watershed and farm management; and agricultural policy, research, and education.

Many students continue their education in graduate programs. Some specialize in plant science, entomology, plant pathology, soil science, or

sociology, while others continue in cross-disciplinary programs such as agroecology, public policy, and environmental science.

The agroecology major is housed in the Department of Plant and Agroecosystem Sciences, but faculty and staff from many CALS departments come together to support the program.

HOW TO GET IN

HOW TO GET IN

CURRENT UW-MADISON STUDENTS

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://cals.wisc.edu/academics/undergraduate/current-students/academic-policies (https://cals.wisc.edu/academics/undergraduate/current-students/academic-policies/)/) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Foundation		31-37
Major Core		6
Major Breadth		12

Major Depth	12
Capstone	3
Total Credits	**64-70**

FOUNDATION

Mathematics

Complete one of the following:

Code	Title	Credits
MATH 112 & MATH 113	College Algebra and Trigonometry	6
MATH 114	Precalculus	5

Statistics

Complete one of the following:

Code	Title	Credits
STAT 240	Data Science Modeling I	4
STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
C&E SOC/SOC 360	Statistics for Sociologists I	4

Chemistry

Complete one of the following:

Code	Title	Credits
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5

Biology

Complete one of the following options:

Code	Title	Credits
Option 1		
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
BIOLOGY/BOTANY/ ZOOLOGY 152	Introductory Biology	5
Total Credits		**10**

Code	Title	Credits
Option 2		
BOTANY/ BIOLOGY 130	General Botany	5
ZOOLOGY/ BIOLOGY 101	Animal Biology	3
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	2
Total Credits		**10**

Social Science

Complete the following courses:

Code	Title	Credits
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
A A E 101	Introduction to Agricultural and Applied Economics	4
or ECON 101	Principles of Microeconomics	

MAJOR CORE

Complete the following courses:

Code	Title	Credits
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
AGROECOL 303	Agroecological Systems: Working Towards Sustainability	3

MAJOR BREADTH

Complete one course from each of four thematic areas (organisms, land, ecosystems, people) for a total of at least 12 credits. Courses cannot double count within the major.

Organisms

Code	Title	Credits
Growth, Development, Metabolism		
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
BOTANY 500	Plant Physiology	3-4
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
Evolution Breeding		
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
GENETICS 466	Principles of Genetics	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
Applied Science		
ENTOM 351	Principles of Economic Entomology	3
PL PATH 300	Introduction to Plant Pathology	4
SOIL SCI 326	Plant Nutrition Management	3

Land

Code	Title	Credits
Production Systems		
PLANTSCI 300	Cropping Systems	3
DY SCI 471	Food Production Systems and Sustainability	3
PLANTSCI/ PL PATH 261 & PL PATH/ PLANTSCI 262	Sustainable Turfgrass Use and Management and Turfgrass Management Laboratory	3
Soil Water Management		
SOIL SCI 301	General Soil Science	3
SOIL SCI 621	Soil and Environmental Chemistry	3
Geospatial Information Systems		
BSE 301	Land Information Management	3
F&W ECOL/ ENVIR ST/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3

GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
F&W ECOL 395	Data and GIS Tools for Ecology	3

Ecosystems

Code	Title	Credits
Patterns		
PLANTSCI 376	Tropical Horticultural Systems	2
AGROECOL 370	Grassland Ecology	3
PL PATH 315	Plant Microbiomes	4
PLANTSCI 320	Environment of Cultivated Plants	3
Processes		
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI/ GEOG 526	Human Transformations of Earth Surface Processes	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
Landscape Interactions		
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
ENTOM 450	Basic and Applied Insect Ecology	3
F&W ECOL 448	Disturbance Ecology	3

People

Code	Title	Credits
Food Health		
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
AGROECOL 377	Global Food Production and Health	3
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
C&E SOC/SOC 222	Food, Culture, and Society	3
PLANTSCI/A A E/ PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
PL PATH 311	Global Food Security	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
Labor Justice		
C&E SOC/SOC 341	Labor in Global Food Systems	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
Community Values		
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
A A E 422	Food Systems and Supply Chains	3
NUTR SCI 377	Cultural Aspects of Food and Nutrition	3

MAJOR DEPTH

Complete 12 credits in one of the four thematic areas (organisms, land, ecosystems, people). See list below. Courses cannot double count within the major.

Organisms

Code	Title	Credits
Growth, Development, Metabolism		
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
BOTANY 500	Plant Physiology	3-4
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
SOIL SCI 323	Soil Biology	3
ENTOM 321	Physiology of Insects	3
PL PATH/ BOTANY 332	Fungi	2-4
or PL PATH/ BOTANY 333	Biology of the Fungi	
F&W ECOL 401	Physiological Animal Ecology	3
PL PATH/BOTANY/ ENTOM 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
Evolution Breeding		
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
PLANTSCI 338	Plant Breeding and Biotechnology	3
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
PL PATH 517	Plant Disease Resistance	2-3
PLANTSCI 501	Principles of Plant Breeding	3
GENETICS 466	Principles of Genetics	3
Applied Science		
PL PATH 300	Introduction to Plant Pathology	4
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 334	Greenhouse Cultivation	2
PL PATH 602	Ecology, Epidemiology and Control of Plant Diseases	3
PL PATH 559	Diseases of Economic Plants	3
SOIL SCI 326	Plant Nutrition Management	3
ENTOM 351	Principles of Economic Entomology	3

Land

Code	Title	Credits
Production Systems		
PL PATH 300	Introduction to Plant Pathology	4
DY SCI 471	Food Production Systems and Sustainability	3
Soil Water Management		
SOIL SCI 301	General Soil Science	3
SOIL SCI 621	Soil and Environmental Chemistry	3
BSE 473	Water Management Systems	3
Geospatial Information Systems		
BSE 301	Land Information Management	3

F&W ECOL/ ENVIR ST/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
F&W ECOL 395	Data and GIS Tools for Ecology	3
F&W ECOL 458	Environmental Data Science	3
SOIL SCI/ ENVIR ST 575	Assessment of Environmental Impact	3

Ecosystems

Code	Title	Credits
Patterns		
PLANTSCI 376	Tropical Horticultural Systems	2
AGROECOL 370	Grassland Ecology	3
PL PATH 315	Plant Microbiomes	4
PLANTSCI 320	Environment of Cultivated Plants	3
Processes		
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
BSE/AN SCI 344	Digital Technologies for Animal Monitoring	3
SOIL SCI/ GEOG 526	Human Transformations of Earth Surface Processes	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
Landscape Interactions		
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
ENTOM 450	Basic and Applied Insect Ecology	3
F&W ECOL 448	Disturbance Ecology	3

People

Code	Title	Credits
Food Health		
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
AGROECOL 377	Global Food Production and Health	3
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
PL PATH 311	Global Food Security	3
PLANTSCI/A A E/ PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
Labor Justice		
C&E SOC/SOC 341	Labor in Global Food Systems	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
Community Values		
C&E SOC/ MED HIST/ PHILOS 565	The Ethics of Modern Biotechnology	3
C&E SOC/SOC/ URB R PL 617	Community Development	3
A A E 422	Food Systems and Supply Chains	3
C&E SOC/SOC 573	Community Organization and Change	3

AGROECOLOGY CAPSTONE

Complete the following course:

Code	Title	Credits
AGROECOL 503	Agroecology Capstone	3

Students considering post-graduate study should consult with their advisor and review the admissions requirements for graduate programs of interest. Post-graduate study may require preparatory coursework beyond the agroecology major requirements.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply foundational knowledge about the form and function of living and non-living components of agroecosystems to describe their role within agricultural systems and predict their responses to management
2. Identify stocks and flows of energy and matter within and between organizational levels of agroecosystems from the cellular to the global

level and consider their impact on ecological resilience, social justice, equity, and health.

3. Analyze approaches to improving plant and animal traits including breeding and management and how they affect pests and diseases, soils, water, nutrients, and the atmosphere
4. Compare and contrast agroecosystems in a variety of social, economic, political, geographic, and historical contexts
5. Devise agroecological solutions using effective written and oral communication for multiple audiences

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Note: Math course selection is based on placement scores. Agroecology majors must complete MATH 112 & MATH 113 or MATH 114.

SAMPLE AGROECOLOGY FOUR-YEAR PLAN: BIOLOGY REQUIREMENT FIRST YEAR

First Year

Fall	Credits	Spring	Credits
CALS First Year Seminar	1	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
MATH 112	3	Ethnic Studies	3
Communication A	3	MATH 113	3
BOTANY/BIOLOGY 130	5	C&E SOC/SOC 140	4
AGROECOL/C&E SOC/ ENTOM/ENVIR ST 103	3		
	15		**15**

Second Year

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
A A E 101	4	Communication B	3
AGROECOL 303	3	CALS International Studies Requirement	3
General Education	3	General Education	3
	14		**14**

Third Year

Fall	Credits	Spring	Credits
Statistics Course	3	Major Breadth Courses	6
Major Breadth Courses	6	Major Depth Courses	3
Electives	6	Electives	6
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Electives	10	AGROECOL 503	3
Major Depth Courses	6	Electives	10
		Major Depth Course	3
	16		**16**

Total Credits 120

SAMPLE AGROECOLOGY FOUR-YEAR PLAN: CHEMISTRY REQUIREMENT FIRST YEAR

First Year

Fall	Credits	Spring	Credits
CALS First Year Seminar	1	Ethnic Studies	3
Communication A	3	CHEM 104	5
AGROECOL/C&E SOC/ ENTOM/ENVIR ST 103	3	C&E SOC/SOC 140	4
CHEM 103	4	General Education	3
MATH 114	5		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
A A E 101	4	Communication B	3
BOTANY/BIOLOGY 130	5	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
AGROECOL 303	3	CALS International Studies Requirement	3
General Education	3	Elective	3
	15		**14**

Third Year

Fall	Credits	Spring	Credits
Statistics Course	3	Major Breadth Courses	6
Major Breadth Courses	6	Major Depth Courses	3
Electives	6	Electives	6
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Electives	9	AGROECOL 503	3
Major Depth Courses	6	Electives	9
		Major Depth Course	3
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student receives one-on-one guidance from their professional advisor. Academic advisors will help students build an individualized, four-year plan. Many Agroecology majors complete certificates or double majors.

CAREER OPPORTUNITIES

The knowledge and skills developed through the agroecology major prepare students for a wide variety of careers. The program is designed to allow students to pursue their interests and career goals. Some of

the areas students may work in include: conservation and environmental organizations, the agricultural industry, state and federal agencies, consulting, land/ farm management, or agricultural policy, research, and education. Students may also continue their education in graduate programs in areas focused on agriculture, conservation, ecology, and the environment.

CAREER ADVISING

Students are encouraged to begin the career exploration process early in their UW-Madison journey by working with advisors, faculty, and CALS Career Services (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/). These resources can help students reflect on their values, identify career goals, and outline strategies to achieve them. CALS Career Services advisors can help students one-on-one with their career goals, resume and cover letter help, interview prep, and more.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Agroecology students have many opportunities for hands-on experience through internships. On campus, students can get experience by working at one of the green spaces on campus. Some examples are Allen Centennial Garden, D.C. Smith Greenhouse, the UW Student Organic Farm, and the Lakeshore Nature Preserve. Students can also intern off-campus. Some examples are working at an agricultural business, a farm, a non-governmental organization, or one of the Agricultural Research Stations, etc. Students can connect with their advisor or CALS Career Services (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/) to learn more about internships.

RESEARCH EXPERIENCE

Students are encouraged to get involved with agroecology research on campus. Students primarily find research opportunities by directly contacting faculty or searching on the Student Job Center.

STUDENT ORGANIZATIONS

Connect with other agroecology students and those interested in food and agriculture by joining a student organization. Organizations of particular interest to agroecology students include People's Farm: Students for Sustainable Agriculture (https://win.wisc.edu/organization/thepeoplesfarm/), Slow Food UW (https://win.wisc.edu/organization/slowfood-uw/), WUD Cuisine Committee (https://win.wisc.edu/organization/cuisine/), Food Recovery Network – Madison Chapter (https://win.wisc.edu/organization/frnuw/), UW Campus Food Shed (https://goldman.horticulture.wisc.edu/outreach-and-program-resources/uw-campus-food-shed/), and Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) (https://win.wisc.edu/organization/manrrs/). A full list of organizations is available on the Wisconsin Involvement Network website (https://win.wisc.edu/).

GLOBAL ENGAGEMENT

Agroecology students can study or intern abroad through one of UW-Madison's 260+ programs. Visit our Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/agroecology/) to learn more about studying abroad as an Agroecology major.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

RESOURCES

Agroecology students have access to hands-on experiences on and off campus at UW-Madison facilities such as:

- Agricultural Research Stations (https://ars.wisc.edu/) – there are over 10 research stations across the state of Wisconsin that are used by faculty, staff, and students to conduct research
- Allen Centennial Garden (https://allencentennialgarden.wisc.edu/) – a free, public garden that is located right down the street from the Department of Plant and Agroecosystem Sciences. The garden hosts events, classes, festivals, workshops, and more.
- CALS Greenhouses (https://greenhouses.ars.wisc.edu/) – located right on campus, a variety of Wisconsin agricultural crops are studied here.
- D.C. Smith Greenhouse (https://dcsmithgreenhouse.cals.wisc.edu/) – an instructional greenhouse that grows plants for departments and programs of the College of Agricultural and Life Sciences. Many classes are also taught in the greenhouse.
- Lakeshore Nature Preserve (https://lakeshorepreserve.wisc.edu/) – a 300-acre natural area right next to Lake Mendota. The preserve is used for teaching & research, and is also a great place for students to explore nature on campus.
- UW Arboretum (https://arboretum.wisc.edu/) – located off campus on Seminole Hwy, the UW Arboretum's mission is to "Conserve and restore Arboretum lands, advance restoration ecology, and foster the land ethic (https://www.aldoleopold.org/about/the-land-ethic/)."

SCHOLARSHIPS

College of Agricultural and Life students receive more than $1.25 million annually in scholarship awards. Agroecology majors can apply for these scholarships through a single application in the Wisconsin Scholarship Hub (WiSH). To learn more about college scholarships please visit the CALS scholarship website (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

AGRONOMY, BS

Admissions to the Agronomy BS will be suspended as of summer 2026 and will be discontinued as of fall 2030. If you have any questions, please contact the department.

Students interested in the Agronomy BS may be interested in the Plant Science and Technology BS, a new major as of fall 2025 or the Agroecology BS (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/plant-agroecosystem-sciences/agroecology-bs/), a new major as of fall 2024.

Creating a healthier, more productive, more resilient agriculture for Wisconsin and the world.

That is the challenge taken up by the faculty, staff, and students of the agronomy program in the Department of Plant and Agroecosystem Sciences.

We generate and apply knowledge about the plants that feed and benefit humankind. Agronomic crops are typically grown for grain to feed people and livestock, or are processed into products. Feed crops are grown specifically to meet the nutritional needs of livestock. Forage crops are grown for their stems, leaves, and other edible plant parts.

We find and implement solutions to problems and opportunities concerning efficiency and sustainability of crop production and in safe and environmentally sound ways.

We generate knowledge on the genetics, genomics, biochemistry, and physiology of plants.

We study the interactions among cropping systems, climate, and the environment. We emphasize sustainable agriculture, whether precision, traditional or organic, in order to reduce the impact on the environment and the inhabitants of our planet.

We work to ensure that agricultural systems and products in Wisconsin and the world are able to meet rapidly-changing needs and those of future generations.

Undergraduates in the agronomy program earn a bachelor of science degree to prepare them for everything from pursuit of a graduate degree to careers in science, education, agriculture, agribusiness, and environment and conservation.

HOW TO GET IN

HOW TO GET IN

Admissions to the Agronomy BS will be suspended as of summer 2026 and will be discontinued as of fall 2030. If you have any questions, please contact the department.

Students interested in the Agronomy BS may be interested in the Plant Science and Technology BS (p. 213), a new major as of fall 2025 or the Agroecology BS (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/plant-agroecosystem-sciences/agroecology-bs/), a new major as of fall 2024.

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students declared in the Agronomy BS may not also declare the Plant Science and Technology BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following (or may be satisfied by placement exam):		5-6
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171	Calculus with Algebra and Trigonometry I	
MATH 211	Survey of Calculus 1	
MATH 221	Calculus and Analytic Geometry 1	
Complete one of the following:		3
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT/B M I 541	Introduction to Biostatistics	
STAT/ F&W ECOL 571	Statistical Methods for Bioscience I	
Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Biology		
Complete one of the following options:		10
Option 1:		
BOTANY/ BIOLOGY 130	General Botany	
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
Option 2:		
BIOLOGY/ BOTANY/ ZOOLOGY 151 & ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology and Introductory Biology	
Option 3:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
Economics		
Complete one of the following:		3-4
A A E 101	Introduction to Agricultural and Applied Economics	
ECON 101	Principles of Microeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Foundation		
Complete 8 credits from any Foundation category (see list below)		8
Core		
Complete all of the following:		12
SOIL SCI 301 & SOIL SCI 302	General Soil Science and Meet Your Soil: Soil Analysis and Interpretation Laboratory	
PLANTSCI 110	Introduction to Plant Science and Technology	
PL PATH 300	Introduction to Plant Pathology	
Complete one of the following:		3
GENETICS 466	Principles of Genetics	
PLANTSCI 338	Plant Breeding and Biotechnology	
PLANTSCI 310	Plant Science and Technology in Cropping Systems	
Complete one of the following:		3-4
ENTOM/ ZOOLOGY 302	Introduction to Entomology	
ENTOM 351	Principles of Economic Entomology	
Complete one of the following:		3-4
AGROECOL 370	Grassland Ecology	
BOTANY/F&W ECOL 455	The Vegetation of Wisconsin	
BOTANY/F&W ECOL/ZOOLOGY 460	General Ecology	
ENVIR ST/LAND ARC 361	Wetlands Ecology	
Electives within the Major		
Complete 14 additional credits of plant science (PLANTSCI) courses [1]		14
Capstone		

PLANTSCI 510	Senior Capstone Experience	2
Total Credits		**71-79**

[1] No more than 3 credits total in PLANTSCI 299 Independent Study, PLANTSCI 399 Coordinative Internship/Cooperative Education, PLANTSCI 699 Special Problems. Credits used to satisfy the capstone experience may not count here.

FOUNDATION COURSES

AG SOCIAL SCIENCE

Code	Title	Credits
A A E 319	The International Agricultural Economy	3
A A E 320	Agricultural Systems Management	3
A A E 322	Commodity Markets	4
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
A A E/ECON 421	Economic Decision Analysis	4
A A E/ECON 474	Economic Problems of Developing Areas	3
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/ AMER IND/SOC 578	Poverty and Place	3
C&E SOC/SOC 650	Sociology of Agriculture	3

ANIMAL SCIENCE

Code	Title	Credits
AN SCI/DY SCI 101	Introduction to Animal Sciences	3
AN SCI 200	The Biology and Appreciation of Companion Animals	3
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI 431	Beef Cattle Production	3
AN SCI 432	Swine Production	3
DY SCI 205	Dairy Cattle Improvement Programs	2
DY SCI/AN SCI 361	Introduction to Animal and Veterinary Genetics	2
DY SCI/AN SCI 363	Principles of Animal Breeding	2
DY SCI/AN SCI 370	Livestock Production and Health in Agricultural Development	3
DY SCI 378	Lactation Physiology	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENTOM 351	Principles of Economic Entomology	3

ATMOSPHERIC SCIENCE

Code	Title	Credits
ATM OCN 100	Weather and Climate	3
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems	2-3

BIOLOGICAL SYSTEMS ENGINEERING

Code	Title	Credits
BSE 301	Land Information Management	3

FOOD SCIENCE

Code	Title	Credits
FOOD SCI 120	Science of Food	3
FOOD SCI 440	Principles of Food Engineering	3
A A E/C&E SOC/ SOC 340	Issues in Food Systems	3-4
NUTR SCI/ BIOCHEM 510	Nutritional Biochemistry and Metabolism	3

MANAGEMENT

Code	Title	Credits
ACCT I S 211	Introductory Managerial Accounting	3
ACCT I S 301	Financial Reporting I	3
ACCT I S 302	Financial Reporting II	3
ACCT I S 401	Business Organizations and Negotiable Instruments	3
A A E 320	Agricultural Systems Management	3
A A E 322	Commodity Markets	4
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
A A E 419	Agricultural Finance	3
A A E/ECON 421	Economic Decision Analysis	4
A A E/ECON 474	Economic Problems of Developing Areas	3
GEN BUS 301	Business Law	3
FINANCE/ ECON 300	Introduction to Finance	3
INTL BUS 200	International Business	3
MARKETNG 305	Consumer Behavior	3
MARKETNG 310	Marketing Research	3
MARKETNG/ INTL BUS 420	Global Marketing Strategy	3
MARKETNG 424	Sales Strategy and Management	3
MARKETNG 426	Strategic Retailing	3
MARKETNG 460	Marketing Strategy	3
M H R 322	Introduction to Entrepreneurship	3
M H R 420	Leading Change in Organizations	3
M H R 612	Labor-Management Relations	3
R M I 300	Principles of Risk Management	3

NUTRITIONAL SCIENCE

Code	Title	Credits
NUTR SCI 132	Nutrition Today	3
NUTR SCI/AN SCI/ DY SCI 311	Comparative Animal Nutrition	3
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3

SOIL SCIENCE

Code	Title	Credits
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3

BACTERIOLOGY, BIOCHEMISTRY, GENETICS

Code	Title	Credits
MICROBIO 101	General Microbiology	3
MICROBIO 102	General Microbiology Laboratory	2
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO/ FOOD SCI 324	Food Microbiology Laboratory	2
MICROBIO/ FOOD SCI 325	Food Microbiology	3
BIOCHEM 501	Introduction to Biochemistry	3
GENETICS 466	Principles of Genetics	3

ECOLOGICAL SCIENCES

Code	Title	Credits
F&W ECOL/ ENVIR ST 100	Forests of the World	3
F&W ECOL 318	Principles of Wildlife Ecology	3
F&W ECOL/ BOTANY 455	The Vegetation of Wisconsin	4
F&W ECOL/ BOTANY/ ZOOLOGY 460	General Ecology	4
F&W ECOL 550	Forest Ecology	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Articulate the role of biological processes, management systems, environmental influences, and economic and social factors on world food, feed, and fiber production. Specific topics that all students should have knowledge of include: photosynthesis, nutrient cycling, genetic inheritance, and management and uses of primary U.S. crop species.
2. Demonstrate the ability to critically and creatively analyze problems and evaluate systems.
3. Communicate effectively through writing and speaking and will be able to identify and critically evaluate available sources of information
4. Develop a global perspective and appreciate the interdependencies among individuals and their workplaces, communities, environments, and the planet; and an understanding of the role of science in society

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE AGRONOMY FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	BOTANY/ BIOLOGY 130	5
PLANTSCI 110	4	CHEM 104 (or Elective)	5
MATH 112, 114, or 171[1]	3-5	Elective	3
COMM A	3	ECON 101, 111, or A A E 101	4
First Year Seminar	1		
	15-18		**17**

Second Year

Fall	Credits	Spring	Credits
Foundation Course[2]	3	Foundation Courses	5
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5	Social Science Course	3
Statistics Course	3	Plant Science Course[3]	3
Ethnic Studies Course	3	COMM B	3
	14		**14**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
Plant Science Course	3	Plant Science Course	3	Internship or Independent Study	1-3

SOIL SCI 301 & SOIL SCI 302	4	GENETICS 466 or PLANTSCI 338	3	
ENTOM 351 or 302	3	International Studies Course	3	
Elective	3	Humanities Elective Course	3	
		Elective	3	
	13		**15**	**1-3**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**	
Plant Science Course	3	Plant Science Courses	6	
ZOOLOGY/ BOTANY/ F&W ECOL 460	4	Electives	6	
PL PATH 300	4	PLANTSCI 510	2	
Humanities Course	3			
Elective	3			
	17		**14**	

Total Credits 120-125

1 Determined by placement exam. Consult SOAR advisor.
2 Eight (8) credits of foundation courses required. See requirements tab for details.
3 Fourteen (14) credits of plant science electives required. See requirements tab for details.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

The Agronomy program is faculty-advised, meaning that faculty members take on the responsibility of guiding and advising undergraduates through graduation. Students and faculty are matched as closely as possible by interest. All new first-year and transfer students are temporarily advised by the student services coordinator until the advising relationship between professor and student is established. If you would like to have a conversation about joining Agronomy, please contact the advisor listed in the Contact Information box.

CAREERS

An Agronomy degree is an open door to careers in many related fields such as biotechnology, plant genetics, crop management, agricultural financial management, farming, seed sales, crop consulting, Certified Crop Advising, Certified Professional Agronomy, agribusiness, extension agronomy, agricultural education, government work, and international agronomy.

GENETICS

The fastest growing sector of agriculture is plant breeding, genetics, and genomics. Plant scientists are working at the field, plant, cellular, and molecular level to create cultivars that are hardier, disease resistant, nutritious, and affordable. The industry's growth is currently outstripping the rate of graduation; graduates can take their pick of interesting, fulfilling careers in the public and private sectors.

BIOFUELS

The biofuel industry is also experiencing rapid growth, with research and development being focused on sugar-based biofuels, cellulosic biofuels, and biodiesels, made from plants as varied as switchgrass, sugar cane, corn, and wood pulp. These energy crops are harvested and processed into alternatives to fossil fuels.

AGRIBUSINESS

In agribusiness, agronomists take data and translate it into real-world applications. They sell tools for crop production, provide agricultural loans, consult on crops, manage businesses, and much more. They are often responsible for translating technical research data into applications. Numerous agronomy graduates are also involved in the sale of agricultural products, which are vital to today's economy. Other successful agronomists serve as crop advisers, farm managers, consultants, bank loan specialists, managers, and much more.

RESEARCH/EDUCATION AND EXTENSION

Agronomic educators specialize in teaching and working with high school and college students. They also teach and advise students who chose advanced studies for a master's degree and/or PhD They are extensively involved in research, publishing findings on a regular basis and making scientific advances.

Extension agronomists usually work for a state, local, or national government; they consult with farmers and others to help find answers to their specific problems and help farmers translate research results into usable management practices. Government-employed agronomists also work with farmers and ranchers to plan for soil and water conservation so crops and land can be managed efficiently and with minimal impact to the environment.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in agronomy, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- Badger Crops Club (https://www.facebook.com/badgercropsclub/), a professional, social, and educational group for agronomy students and students in related fields interested in any aspect of crop production.
- Collegiate FFA (http://collegiateffamadison.weebly.com/), an official collegiate chapter of the National FFA organization.
- AWA (http://awamadison.org/)—the Association of Women in Agriculture, a professional student organization for young women with a passion for agriculture.
- WISELI (http://wiseli.engr.wisc.edu/)—Women in Science and Engineering Leadership Institute, a research center aiming to increase the representation, advancement, and satisfaction of women faculty and members of groups currently underrepresented on the faculty and in leadership at UW–Madison.
- Study Abroad: Agronomy majors have the opportunity to go on experiential study abroad programs, where students can immerse themselves in research or global agronomy field experiences. Students can review the International Academic Programs website (https://studyabroad.wisc.edu/) and the CALS study abroad advising

page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/) for information on these and other programs, as well as requirements that can typically be fulfilled abroad and things to consider when fitting study abroad into an academic plan.

- Research/Lab experience: Students are encouraged to get involved in research, whether in the agronomy department or through other plant-, soil-, or ecology-related departments. Research can be performed for either course credit or pay, depending on the opportunity. Research opportunities can primarily be found by inquiring with faculty members.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Agronomy program is proud to participate in the CALS Scholarship Program, which awards thousands of dollars to undergraduate scholars every year. The majority of our students have some form of financial aid through CALS, the university, or work-study or laboratory jobs.

HORTICULTURE, BS

Admissions to the Horticulture BS will be suspended as of summer 2026 and will be discontinued as of fall 2030. If you have any questions, please contact the department.

Students interested in the Horticulture BS may be interested in the Plant Science and Technology BS (p. 213), a new major as of fall 2025 or the Agroecology BS (p. 195), a new major as of fall 2024.

Horticulturists work to enrich our lives by integrating and applying plant science, environmental science, molecular biology, biotechnology, genetics, physiology, and management. Specifically, horticultural science deals with the development, production, growth, distribution, and use of fruits, vegetables, greenhouse crops, ornamentals, and specialty plant crops (used for flavoring and medicine). Horticultural science is one of the most diverse biological sciences one can study at a university. Not only are the biology and genetics of crop plants interesting, but the application of this knowledge is equally important in a myriad of situations. Undergraduate horticulture majors will obtain specialized training in greenhouse/field management and the production and use of fruits, vegetables, nuts, and herbaceous/woody ornamentals through the bachelor of science degree program.

In addition to obtaining a job with an undergraduate degree in horticulture, the major provides an excellent background for graduate study in the field of plant sciences. Areas of graduate study include plant breeding and plant genetics, horticulture, agronomy, plant pathology, or other related fields such as biology, environmental science, natural resource management, agroecology, and genetics.

Students with either undergraduate or graduate degrees in horticulture have a variety of career opportunities. Recent studies show that there are more jobs in agriculture in the U.S. than there are students graduating with agricultural bachelor of science degrees to fill them. As our world grapples with the need to contribute science-based solutions to feeding 9 billion people by 2050, students trained in the agricultural and horticultural sciences will be called on to contribute.

Horticulture graduates may find opportunities to develop higher-yielding crops or crops that can withstand more stressful growing conditions. Others may find opportunities working on improving qualities such as flavor, appearance, texture, and post-harvest shelf life for a wide range of horticultural commodities from fruits to vegetables to flowers. Sustainable production is an area of growth where horticultural expertise can make a contribution.

The horticulture degree serves as excellent preparation for careers in food production, plant nurseries, community-supported agriculture (CSA), public gardens, greenhouse production, teaching, public parks, vegetable production, urban agriculture, extension- and community-based educational work, work in research labs, and the health sciences. In addition, many horticultural science majors go on to work in public sector jobs including city and state positions with the Department of Natural Resources, the Wisconsin Department of Agriculture, and the University of Wisconsin Division of Extension. Students with degrees in horticulture also work in hospitals (horticultural therapy), aerospace (food and recycling in space labs), and zoos (managing environments for animals and visitors). Although the career opportunities are numerous, horticulture students have a common desire to work intensively with plants to improve our environment and our health.

HOW TO GET IN

HOW TO GET IN

Admissions to the Horticulture BS will be suspended as of summer 2026 and will be discontinued as of fall 2030. If you have any questions, please contact the department.

Students interested in the Horticulture BS may be interested in the Plant Science and Technology BS (p. 213), a new major as of fall 2025, or the Agroecology BS (p. 195), a new major as of fall 2024.

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option

to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students declared in the Horticulture BS may not also declare the Plant Science and Technology BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. A minimum of 15 credits must be completed in the major that are not used elsewhere.

Code	Title	Credits
Mathematics and Statistics		
Complete one of the following (or may be satisfied by placement exam):		5-6
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171	Calculus with Algebra and Trigonometry I [1]	
Complete one of the following:		3-5
MATH 211	Survey of Calculus 1	
MATH 217	Calculus with Algebra and Trigonometry II [1]	
MATH 221	Calculus and Analytic Geometry 1	
MATH 222	Calculus and Analytic Geometry 2	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
COMP SCI 300	Programming II	
Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Biology		
Complete one of the following options:		10-12
Option 1:		
BOTANY/ BIOLOGY 130	General Botany	
ZOOLOGY/ BIOLOGY 101	Animal Biology	

ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
Option 2:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option 3:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 383	Cellular Biology	
Complete two of the following:		
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Agricultural Breadth		
Complete the following:		
ENTOM/ ZOOLOGY 302	Introduction to Entomology	3-4
or ENTOM 351	Principles of Economic Entomology	
GENETICS 466	Principles of Genetics	3
PL PATH 300	Introduction to Plant Pathology	4
SOIL SCI 301 & SOIL SCI 302	General Soil Science and Meet Your Soil: Soil Analysis and Interpretation Laboratory	4
Complete one of the following:		3-4
BOTANY 300	Plant Anatomy	
BOTANY 305	Plant Morphology and Evolution	
BOTANY 500	Plant Physiology	
Horticultural Core		
Complete all of the following:		
PLANTSCI 110	Introduction to Plant Science and Technology	4
PLANTSCI 121	Colloquium in Plant Science and Technology	1
PLANTSCI 227	Propagation of Horticultural Plants	3
PLANTSCI 320	Environment of Cultivated Plants	3
SOIL SCI 326	Plant Nutrition Management	3
Complete one of the following:		
PLANTSCI 334 & PLANTSCI 333	Greenhouse Cultivation and Survey of Controlled Environment Food Production	4
PLANTSCI 334 & PLANTSCI 335	Greenhouse Cultivation and Greenhouse Cultivation Lab	3
Complete three of the following:		8-11
PLANTSCI 234	Herbaceous Ornamental Plant Identification, Culture, and Use	
PLANTSCI/ PL PATH 261 & PLANTSCI/ PL PATH 262	Sustainable Turfgrass Use and Management and Turfgrass Management Laboratory	
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	
PLANTSCI 310	Plant Science and Technology in Cropping Systems	
PLANTSCI 370	World Vegetable Crops	
PLANTSCI 338	Plant Breeding and Biotechnology	
Electives		
Complete 5 elective credits (see list below)		5
Capstone		
Students can complete a pre-approved course or an independent study or internship. Independent study and internship require individual pre-approval from the program, and students should talk to the Horticulture advisor to learn more about the process and forms.		
Pre-approved course options:		
PLANTSCI 376 & PLANTSCI 378	Tropical Horticultural Systems and Tropical Horticultural Systems International Field Study	
PL PATH 315	Plant Microbiomes	
Independent Study or Internship options (require individual pre-approval):		
PLANTSCI 399	Coordinative Internship/ Cooperative Education	
PLANTSCI 699	Special Problems	
PL PATH 499	Independent Study in Organic Agriculture	
Total Credits		**74-88**

[1] If MATH 171 is taken, MATH 217 must also be taken.

ELECTIVE COURSES

Students may not double count courses within the major requirements (Agricultural Breadth, Horticultural Core, Electives, Capstone)

Code	Title	Credits
Business and Economics		
A A E 101	Introduction to Agricultural and Applied Economics	4
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E 319	The International Agricultural Economy	3
A A E 320	Agricultural Systems Management	3
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3
Ecology, Conservation, and the Environment		
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4

F&W ECOL/ C&E SOC/SOC 248	Environment, Natural Resources, and Society	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL/ BOTANY 455	The Vegetation of Wisconsin	4
F&W ECOL/ BOTANY/ENVIR ST/ ZOOLOGY 516	Conservation Biology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
GEOG/ ENVIR ST 120	Introduction to the Earth System	3
GEOG/ENVIR ST 127	Physical Systems of the Environment	4
GEOG/ ENVIR ST 139	Global Environmental Issues	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOSCI/ ENVIR ST 106	Environmental Geology	3
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
Food, Health and Human Well-being:		
A A E/C&E SOC/ SOC 340	Issues in Food Systems	3-4
NUTR SCI/ ENTOM 203	Introduction to Global Health	3
PLANTSCI 300	Cropping Systems	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/SOC 650	Sociology of Agriculture	3
FOOD SCI/ AN SCI 321	Food Laws and Regulations	1
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
PLANTSCI 350	Plants and Human Wellbeing	2
PLANTSCI/A A E/ PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
NUTR SCI 132	Nutrition Today	3
PL PATH 311	Global Food Security (Food Systems, Sustainability, and Climate Change)	3
PL PATH 375	Special Topics	1-4
Landscape Horticulture		
BSE 301	Land Information Management	3
F&W ECOL 375	Special Topics (Tree Risk Assessment and Decay Detection)	1-4
PLANTSCI 234	Herbaceous Ornamental Plant Identification, Culture, and Use	4
PLANTSCI/ PL PATH 261	Sustainable Turfgrass Use and Management	2
PLANTSCI/ PL PATH 262	Turfgrass Management Laboratory	1
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
SOIL SCI 332	Turfgrass Nutrient and Water Management	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
LAND ARC 250	Survey of Landscape Architecture Design	3
LAND ARC 260	History of Landscape Architecture	3
LAND ARC 211	Shaping the Built Environment	3
Pest Management		
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
PL PATH/ BOTANY 332	Fungi	4
Plant Biology		
BOTANY 300	Plant Anatomy	4
BOTANY 305	Plant Morphology and Evolution	4
BOTANY 400	Plant Systematics	4
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
BOTANY 422	Plant Geography	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
BOTANY 500	Plant Physiology	3-4
PLANTSCI 240	The Science of Cannabis	1
Plant Breeding, Genetics, and Biotechnology		
MED HIST/ C&E SOC/ PHILOS 565	The Ethics of Modern Biotechnology	3
BIOCHEM 501	Introduction to Biochemistry	3
CHEM 341	Elementary Organic Chemistry	3
CHEM 342	Elementary Organic Chemistry Laboratory	1
CHEM 343	Organic Chemistry I	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2

PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI 502	Techniques of Plant Breeding	1
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
HIST SCI 202	The Making of Modern Science	3
Public Policy and Environmental Ethics		
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
POLI SCI 272	Introduction to Public Policy	3-4
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	3-4
Soil Science		
SOIL SCI 323	Soil Biology	3
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI/ ENVIR ST 575	Assessment of Environmental Impact	3
SOIL SCI 621	Soil and Environmental Chemistry	3
Weather and Climate Change		
ATM OCN 101	Weather and Climate	4
ATM OCN/ ENVIR ST/ GEOSCI 102	Climate and Climate Change	3
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems	2-3
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

REQUIREMENTS

To earn honors in the major, students are required to take at least 20 honors credits. In addition, students must take HORT 289 Honors Independent Study, HORT 681 Senior Honors Thesis and HORT 682 Senior Honors Thesis when completing their thesis project; please see the h (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/)onors program page (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/) for more information. The Department of Plant and Agroecosystem Sciences also works collaboratively to strongly support students through the honors in research program.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire, integrate and apply knowledge of plant science to horticultural systems.

2. Demonstrate interdisciplinary knowledge and competency in managing horticultural systems.
3. Synthesize knowledge and use insight and creativity to better understand and improve horticultural systems.
4. Appreciate and communicate the diverse impacts of horticulture on people.
5. Demonstrate professionalism and proficiency in skills that relate to horticulture.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN WITH BIOLOGY/ BOTANY 130 IN THE FIRST SEMESTER

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
PLANTSCI 121	1	MATH 113	3
PLANTSCI 110	4	BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	5
BIOLOGY/BOTANY 130[1]	5	Ethnic Studies	3
MATH 112	3	Electives	5
COMM A Course	3		
CALS First Year Seminar	1		
	17		**16**

Second Year

Fall	Credits	Spring	Credits
PLANTSCI 320	3	CHEM 104	5
CHEM 103	4	PLANTSCI 227	3
COMM B Course	3	PLANTSCI 334 & PLANTSCI 335	3
Horticulture Breadth	6	Humanities	3-4
	16		**14-15**

Third Year

Fall	Credits	Spring	Credits
Agricultural Breadth[2]	6	Agricultural Breadth[2]	6
Horticulture Breadth	3	Math / Statistics / Computer Science	3
CALS International Studies[3]	3	Humanities	3-4
Electives	4-5	Elective	3
	16-17		**15-16**

Fourth Year

Fall	Credits	Spring	Credits
Agricultural Breadth[2]	3	Agricultural Breadth[2]	3-4
Horticulture Breadth	6	Electives	9
Horticulture Capstone	3		
Social Sciences	3-4		
	15-16		**12-13**

Total Credits 121-126

1 BIOLOGY/BOTANY 130, BIOLOGY/ZOOLOGY 101, and BIOLOGY/ ZOOLOGY 102 is the preferred course to complete the biology requirment.

2 Please consult with a horticulture advisor to discuss when specific courses are typically offered.

3 Students can choose to complete the CALS international studies requirement using PLANTSCI 370 or PLANTSCI 376 & PLANTSCI 378, which also fulfill horticulture major requirements.

SAMPLE FOUR-YEAR PLAN WITH CHEM 103 IN THE FIRST SEMESTER

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
PLANTSCI 110	4	CHEM 104	5
PLANTSCI 121	1	BIOLOGY/BOTANY 130[1]	5
CHEM 103	4	MATH 113	3
MATH 112	3	Ethnic Studies	3
COMM A Course	3		
CALS First Year Seminar	1		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
PLANTSCI 320	3	PLANTSCI 227	3
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	5	PLANTSCI 334 & PLANTSCI 335	3
Horticulture Breadth	3	Horticulture Breadth	6
COMM B Course	3	Humanities	3-4
	14		**15-16**

Third Year

Fall	Credits	Spring	Credits
Agricultural Breadth[2]	6	Agricultural Breadth[2]	6
Horticulture Breadth	3	Math / Statistics / Computer Science	3
CALS International Studies[3]	3	Humanities	3-4
Electives	3-4	Elective	3
	15-16		**15-16**

Fourth Year

Fall	Credits	Spring	Credits
Agricultural Breadth[2]	3	Agricultural Breadth[2]	3-4
Social Sciences	3	Electives	9
Horticulture Capstone	3		

Electives	6-7	
	15-16	**12-13**

Total Credits 118-123

1 BIOLOGY/BOTANY 130, BIOLOGY/ZOOLOGY 101, and BIOLOGY/ZOOLOGY 102 is the preferred biology track.
2 Please consult with a horticulture advisor to discuss when specific courses are typically offered.
3 Students can choose to complete the CALS international studies requirement using PLANTSCI 370 or PLANTSCI 376 & PLANTSCI 378, which also fulfill horticulture major requirements.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students interested in learning more about the Horticulture major should meet with Kathryn Jones, kjones26@wisc.edu, or schedule an advising appointment **via Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).**

CAREERS

Majoring in horticulture prepares students for numerous career paths, including plant breeding and genetics, applied plant science, food crop production, greenhouse production, urban agriculture, community-supported agriculture (CSA), gardening and landscaping, horticulture education, extension- and community-based education, horticultural therapy, and the health sciences.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a great way for Horticulture students to get hands-on experience. Many of our students intern at locations that vary from seed companies to greenhouses to wineries to public gardens. Horticulture students also have many opportunities to intern during the year on or near campus at facilities such as the Allen Centennial Garden (https://allencentennialgarden.wisc.edu/), the UW Arboretum (https://arboretum.wisc.edu/), and the Agricultural Research Stations (https://ars.wisc.edu/). Students have also interned abroad through the International Internship Program (https://internships.international.wisc.edu/).

RESEARCH EXPERIENCE

Horticulture students have many opportunities to get involved in research labs and fieldwork in the department. Students primarily find research opportunities by directly contacting faculty (https://pasdept.wisc.edu/people/faculty/). Occasionally, opportunities are posted on the Student Job Center (https://studentjobs.wisc.edu/).

STUDY ABROAD

Horticulture students are encouraged to participate in study abroad experiences. Studying abroad provides students the unique opportunity to contextualize the learning acquired in traditional face-to-face courses on campus. There are many opportunities for Horticulture students to study abroad through short-term and semester-long programs. Students can explore opportunities utilizing the Horticulture Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/horticulture/) and consulting with their advisor.

Horticulture students also have some exciting opportunities to participate in short-term field experiences abroad led by program leaders from the Department of Plant and Agroecosystem Sciences. Some of these programs include UW Tropical Horticulture in Costa Rica (https://studyabroad.wisc.edu/program/?programId=517) and UW Food Systems and the Environment in Northern Japan (https://studyabroad.wisc.edu/program/?programId=650).

STUDENT ORGANIZATIONS

Connect with other Horticulture students and those interested in food and agriculture by joining a student organization. Organizations of particular interest to Horticulture students include People's Farm: Students for Sustainable Agriculture (https://win.wisc.edu/organization/thepeoplesfarm/), Slow Food UW (https://win.wisc.edu/organization/slowfood-uw/), WUD Cuisine Committee (https://win.wisc.edu/organization/cuisine/), Food Recovery Network - Madison Chapter (https://win.wisc.edu/organization/frnuw/), UW Campus Food Shed (https://goldman.horticulture.wisc.edu/outreach-and-program-resources/uw-campus-food-shed/), and Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) (https://win.wisc.edu/organization/manrrs/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

Students can choose from a variety of volunteer opportunities related to food, agriculture, gardening, etc. The Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

PLANT SCIENCE AND TECHNOLOGY, BS

The study of plants is crucial for the survival of humankind and of the planet. Our entire diet comes either directly or indirectly through plants, and plants are a key source of fuel and energy, medicines, and oxygen in the environment. Plants grown in cultivated environments have critical roles in sustaining life and in supporting our economy.

PLANT SCIENCE AND TECHNOLOGY STUDENTS WILL:

- learn about the biology of plants
- investigate the role of plants in food and industrial systems, and how these systems affect climate and resource management
- study the impact of biotechnology, automation, and artificial intelligence in crop production
- learn from experts in a wide variety of plant species such as grains, fruits, vegetables, herbs, ornamental crops, weeds, and plants that appear in agricultural ecosystems.

This training will open up a wide range of careers in crop production, precision agriculture, biotechnology, and more. Additionally, students will be well prepared to attend graduate school in many disciplines from agronomy and crop science to plant biotechnology.

LEARN THROUGH HANDS-ON, REAL-WORLD EXPERIENCES

Core coursework in Plant Science and Technology includes hands-on learning experiences. Examples include using remote sensing to collect data on plant performance, growing crops in hydroponics systems, pollinating plants to create genetic variation, and propagating herbaceous and woody plants.

In addition, students can apply their course learning to real life through research projects, independent studies, and internships with guidance from faculty and staff members. During their final year, majors complete a senior capstone course where they work closely with fellow students and a faculty or staff advisor on a semester-long project designed to bring together a number of aspects of their educational experiences. Through their capstone, students can choose to participate in hands-on projects. For instance, a student's capstone could require they collect data on plant performance in a field or greenhouse and use those data to develop models that can predict future performance. Students can pursue complex scientific interests during their capstone such as studying the distribution of mineral content in crop seeds. Typically, the capstone project involves problem solving and data analysis in a real-world context.

BUILD COMMUNITY AND NETWORKS

Students get to know faculty and instructors through the courses they take, and they can build their networks through independent studies, participation in seminars, paid work in a research or outreach program, field trips, student organizations, and attendance at conferences and workshops. Examples of student organizations include the Badger Crops Club (https://pasdept.wisc.edu/badger-crop-club/) and The People's Farm (https://www.the-peoples-farm.com/). One of the strengths of our program is the opportunity to work with university research and outreach programs and experience scientific inquiry and the communication of scientific findings on real-world problems.

CUSTOMIZE A PATH OF STUDY

Plant Science and Technology students can select from a wide array of elective options to complete coursework that fits their interests and career goals. For some students, gaining experience in a variety of plant materials will be an important career objective, while for other students, exposure to fields such as economics, life sciences communication, foreign languages, or food science might be critical. The Plant Science and Technology major provides ample opportunities for students to identify electives that help build career skills and provide a well-rounded undergraduate experience.

MAKE A STRONG START

A number of first-year seminar courses (p. 46) are available to help new students understand academic programs, access student services, and develop time management and study skills.

GAIN A GLOBAL PERSPECTIVE

Many Plant Science and Technology majors study abroad to gain an international perspective and prepare to participate in today's global economy. Students work with their advisor and the CALS study abroad office (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/) to identify appropriate programs. The Plant Science and Technology major is also home to a study abroad program in tropical agriculture (https://studyabroad.wisc.edu/program/?programId=517) that includes a fall semester course and a winter break study abroad experience in Central America.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

Students declared in the Agronomy or Horticulture BS may not also declare the Plant Science and Technology BS.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Code	Title	Credits
Foundation (p. 215)		27-33
Plant Science and Technology Core (p. 216)		22-25
Plant Science and Technology Electives (p. 216)		15
Capstone (p. 217)		2
Total Credits		**66-75**

FOUNDATION

Mathematics

Complete one of the following (or requirement may be fulfilled through placement exam):

Code	Title	Credits
MATH 112 & MATH 113	College Algebra and Trigonometry	6
MATH 114	Precalculus	5
MATH 171	Calculus with Algebra and Trigonometry I	5

Statistics

Complete one of the following:

Code	Title	Credits
STAT 240	Data Science Modeling I	4
STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3

Chemistry

Complete one of the following:

Code	Title	Credits
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5

Biology

Complete one of the following sequences:

Sequence 1

Code	Title	Credits
BIOLOGY/ BOTANY 130	General Botany	5
BIOLOGY/ ZOOLOGY 101	Animal Biology	3
BIOLOGY/ ZOOLOGY 102	Animal Biology Laboratory	2
Total Credits		**10**

Sequence 2

Code	Title	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
BIOLOGY/BOTANY/ ZOOLOGY 152	Introductory Biology	5
Total Credits		**10**

Sequence 3

Code	Title	Credits
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	2
BIOCORE 383	Cellular Biology	3

BIOCORE 384	Cellular Biology Laboratory	2
Total Credits		**10**

Economics

Complete one of the following:

Code	Title	Credits
A A E 101	Introduction to Agricultural and Applied Economics	4
ECON 101	Principles of Microeconomics	4
ECON 111	Principles of Economics-Accelerated Treatment	4

PLANT SCIENCE AND TECHNOLOGY CORE

Plant Science

Complete all of the following:

Code	Title	Credits
PLANTSCI 110	Introduction to Plant Science and Technology	4
PLANTSCI 310	Plant Science and Technology in Cropping Systems	4
SOIL SCI 301	General Soil Science	3
Total Credits		**11**

Genetics

Complete one of the following:

Code	Title	Credits
GENETICS 466	Principles of Genetics	3
PLANTSCI 338	Plant Breeding and Biotechnology	3

Systems

Complete one of the following:

Code	Title	Credits
PL PATH 300	Introduction to Plant Pathology	4
PLANTSCI 300	Cropping Systems	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4

Environment

Complete one of the following:

Code	Title	Credits
PLANTSCI 320	Environment of Cultivated Plants	3
BOTANY 500	Plant Physiology	3-4

Technology

Complete one of the following:

Code	Title	Credits
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 334 & PLANTSCI 335	Greenhouse Cultivation and Greenhouse Cultivation Lab	3
BSE 305	Introduction to Precision Agriculture	3
BSE 380	Introductory Data Science for the Agricultural and Life Sciences	3

PLANT SCIENCE AND TECHNOLOGY ELECTIVES

Code	Title	Credits
Major Depth		9
Major Breadth		6
Total Credits		**15**

Major Depth

Complete 9 credits. A course completed to meet the Core may not count as a major depth course.

Code	Title	Credits
PLANTSCI 227	Propagation of Horticultural Plants	3
PLANTSCI/ PL PATH 262	Turfgrass Management Laboratory	1
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 320	Environment of Cultivated Plants	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
AGROECOL 377	Global Food Production and Health	3
DY SCI 471	Food Production Systems and Sustainability	3
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI 502	Techniques of Plant Breeding	1
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
BSE 305	Introduction to Precision Agriculture	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE 380	Introductory Data Science for the Agricultural and Life Sciences	3
BSE 405	Artificial Intelligence in Agriculture	3
BOTANY 300	Plant Anatomy	4
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
BOTANY 500	Plant Physiology	3-4
ENTOM 351	Principles of Economic Entomology	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
GENETICS 466	Principles of Genetics	3
GENETICS/ BIOCHEM 631	Plant Genetics and Development	3

PL PATH 300	Introduction to Plant Pathology	4
SOIL SCI 332	Turfgrass Nutrient and Water Management	3
PL PATH 315	Plant Microbiomes	4
PL PATH/BOTANY/ ENTOM 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
PL PATH 517	Plant Disease Resistance	2-3
PL PATH 559	Diseases of Economic Plants	3

Major Breadth

Complete 6 credits.

Code	Title	Credits
A A E 319	The International Agricultural Economy	3
A A E 320	Agricultural Systems Management	3
A A E 322	Commodity Markets	4
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
A A E 419	Agricultural Finance	3
A A E 422	Food Systems and Supply Chains	3
BIOCHEM 501	Introduction to Biochemistry	3
BSE 301	Land Information Management	3
BOTANY 305	Plant Morphology and Evolution	4
BOTANY 400	Plant Systematics	4
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
BOTANY 422	Plant Geography	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
COMP SCI 220	Data Science Programming I	4
F&W ECOL/ ENVIR ST 100	Forests of the World	3
F&W ECOL/ C&E SOC/SOC 248	Environment, Natural Resources, and Society	3
F&W ECOL 300	Forest Measurements	4
F&W ECOL/ ENVIR ST/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3
LSC 270	Marketing Communication for the Sciences	3
GENETICS 545	Genetics Laboratory	2
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
PLANTSCI 121	Colloquium in Plant Science and Technology	1
PLANTSCI 234	Herbaceous Ornamental Plant Identification, Culture, and Use	4
PLANTSCI 240	The Science of Cannabis	1
PLANTSCI/ PL PATH 261	Sustainable Turfgrass Use and Management	2
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
PLANTSCI 230	Wines and Vines of the World	2
PLANTSCI 350	Plants and Human Wellbeing	2
PLANTSCI 351	A Deeper Look at Plants and Human Wellbeing	1
PLANTSCI 372	Seminar in Organic Agriculture	1
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
LAND ARC 260	History of Landscape Architecture	3
PL PATH 311	Global Food Security	3
SOIL SCI 323	Soil Biology	3
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI/ ENVIR ST 575	Assessment of Environmental Impact	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI 621	Soil and Environmental Chemistry	3

CAPSTONE

Code	Title	Credits
PLANTSCI 510	Senior Capstone Experience	2
Total Credits		**2**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Define biological processes related to plant growth, development, and productivity and explain their role in plant and agroecosystem sciences
2. Apply scientific and technological concepts and critical thinking skills to analyze global issues in plant and agroecosystem sciences
3. Communicate solutions to complex problems in the field of plant science and technology to diverse audiences composed of peers, scientists, and/or professionals

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This sample four-year plan is a tool to assist students and their advisors. Students should use their DARS report, the degree planner, Guide requirements, and the course search & enroll tools to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Note: Math course selection is based on placement scores. Plant Science and Technology majors must complete MATH 112 & MATH 113 or MATH 114 or satisfy the math requirement by placement exam.

SAMPLE FOUR-YEAR PLAN WITH BOTANY/ BIOLOGY 130 IN THE FIRST SEMESTER

First Year

Fall	Credits	Spring	Credits
CALS First-Year Seminar	1	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
PLANTSCI 110	4	Ethnic Studies	3
BOTANY/BIOLOGY 130	5	MATH 113	3
MATH 112	3	A A E 101	4
Communication A	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
CHEM 103	4	Communications B	3
STAT 371	3	Plant Science and Technology Core - Systems or Environment	3
Plant Science and Technology Core - Systems or Environment	3	CHEM 104	5
General Education	3	PLANTSCI 310	4
Elective	1		
	14		**15**

Third Year

Fall	Credits	Spring	Credits
SOIL SCI 301	3	Plant Science and Technology Core - Genetics or Technology	3
Plant Science and Technology Core - Genetics or Technology	3	CALS International Studies Requirement	3
Major Depth Elective	3	Major Breadth Elective	3
General Education	3	Electives	6
Elective	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Major Depth Elective	3	Major Depth Elective	3
Major Breadth Elective	3	Electives	10
Electives	9	PLANTSCI 510	2
	15		**15**

Total Credits 120

SAMPLE FOUR-YEAR PLAN WITH CHEM 103 IN THE FIRST SEMESTER

First Year

Fall	Credits	Spring	Credits
CALS First-Year Seminar	1	CHEM 104	5
CHEM 103	4	Ethnic Studies	3
PLANTSCI 110	4	STAT 371	3
MATH 114	5	Communication A	3
		Elective	1
	14		**15**

Second Year

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY 130	5	Communications B	3
A A E 101	4	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
SOIL SCI 301	3	PLANTSCI 310	4
General Education	3	Plant Science and Technology Core - Environment or Systems	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Plant Science and Technology Core - Environment or Systems	3	Plant Science and Technology Core - Genetics or Technology	3
Major Depth Elective	3	Major Breadth Elective	3
General Education	3	Electives	6
Elective	3	CALS International Studies Requirement	3
Plant Science and Technology Core - Genetics or Technology	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Major Depth Elective	3	PLANTSCI 510	2
Major Breadth Elective	3	Electives	10

Electives	10 Major Depth Elective	3
	16	**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each student receives one-on-one guidance from their professional advisor. Academic advisors will help students build an individualized, four-year plan. Many Plant Science and Technology majors complete certificates or double majors.

CAREER OPPORTUNITIES

The knowledge and skills developed through the Plant Science and Technology major prepare students for a wide variety of careers. The program is designed to allow students to pursue their interests and career goals. Some of the areas students may work in include: crop production and consulting, precision agriculture, biotechnology, state and federal agencies, and other policy positions. Students may also continue their education in graduate programs in several different plant science programs that incorporate a wide range of interests such as crop science, agronomy, horticulture, and plant biotechnology.

CAREER ADVISING

Students are encouraged to begin the career exploration process early in their UW-Madison journey by working with advisors, faculty, and CALS Career Services (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/). These resources can help students reflect on their values, identify career goals, and outline strategies to achieve them. CALS Career Services advisors can help students one-on-one with their career goals, resume and cover letter help, interview prep, and more.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

RESEARCH EXPERIENCE

Students are encouraged to get involved with plant science and technology research on campus. Students primarily find research opportunities by directly contacting faculty or searching on the Student Job Center.

INTERNSHIPS

Plant Science and Technology students have many opportunities for hands-on experience through internships. On campus, students can get experience by working at one of the green spaces on campus. Some examples are Allen Centennial Garden, D.C. Smith Greenhouse, the Wisconsin Crop Innovation Center, Walnut Street Greenhouses, and UW Student Organic Farm. Students can also intern off-campus. Some examples are working at an agricultural business, a farm, a non-governmental organization, or one of the Agricultural Research Stations. Students can connect with their advisor or CALS Career Services (https://cals.wisc.edu/academics/undergraduate/current-students/career-services/) to learn more about internships.

STUDENT ORGANIZATIONS

Connect with other Plant Science and Technology students and those interested in plants and technology by joining a student organization. Organizations of particular interest to Plant Science and Technology students include Badger Crops Club, UW Campus Food Shed, and Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS). A list of organizations is available on the Department of Plant and Agroecosystem Sciences website (https://pasdept.wisc.edu/undergraduate/student-orgs/).

GLOBAL ENGAGEMENT

Plant Science and Technology students can study or intern abroad through one of UW-Madison's 260+ programs. Visit our Major Advising Page to learn more about studying abroad as a Plant Science and Technology major.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Plant Science and Technology students have access to hands-on experiences on and off campus at UW-Madison facilities such as:

- Agricultural Research Stations (https://ars.wisc.edu/) – there are over 10 research stations across the state of Wisconsin that are used by faculty, staff, and students to conduct research
- Allen Centennial Garden (https://allencentennialgarden.wisc.edu/) – a free, public garden that is located right down the street from the Department of Plant and Agroecosystem Sciences. The garden hosts events, classes, festivals, workshops, and more.
- CALS Greenhouses (https://greenhouses.ars.wisc.edu/) – located right on campus, a variety of Wisconsin agricultural crops are studied here.
- D.C. Smith Greenhouse (https://dcsmithgreenhouse.cals.wisc.edu/) – an instructional greenhouse that grows plants for departments and programs of the College of Agricultural and Life Sciences. Many classes are also taught in the greenhouse.
- UW Arboretum (https://arboretum.wisc.edu/) – located off campus on Seminole Hwy, the UW Arboretum's mission is to "Conserve and restore Arboretum lands, advance restoration ecology, and foster the land ethic (https://www.aldoleopold.org/about/the-land-ethic/)."
- Wisconsin Crop Improvement Center (WCIC) (https://cropinnovation.cals.wisc.edu/) – located off campus in Middleton, the WCIC is a 100,000 square foot agricultural biotechnology/greenhouse complex. The building houses a state-of-the-art transgenic plant laboratory which supports unprecedented scientific advancement opportunities to improve plants for humans, livestock, and the environment.

SCHOLARSHIPS

College of Agricultural and Life students receive more than $1.25 million annually in scholarship awards. Plant Science and Technology majors can apply for these scholarships through a single application in the Wisconsin Scholarship Hub (WiSH). To learn more about college scholarships please visit the CALS scholarship website (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

PLANT PATHOLOGY

Plant pathology is the study of plants and their pathogens, the process of disease, and how plant health and disease are influenced by factors such as the weather, nonpathogenic microorganisms, and plant nutrition. It encompasses fundamental biology as well as applied agricultural sciences.

Plant pathology involves the study of plants and pathogens at the genetic, biochemical, physiological, cellular, population, and community levels, and how the knowledge derived is integrated and put into agricultural practice. Prerequisite to effective research, teaching, and extension in plant pathology is a breadth of interdisciplinary interest and knowledge, in a department and in its individual members, reaching from ecology to microbiology, from meteorology to applied mathematics, and from molecular biology to communication skills.

Plant pathology is a field that thrives in, and makes its greatest contribution to, comprehensive institutions like the University of Wisconsin–Madison where the proximity and complementarity of basic sciences and the other applied agricultural sciences are exceptionally strong.

Undergraduates in plant pathology can choose between two focus areas. The plant–microbe biology focus area has courses in basic math and sciences, including biology, chemistry, and physics, along with upper-level courses in plant pathology, biochemistry, and microbiology. This focus area is geared toward students who have an interest in receiving a broad education in the basic sciences or plan to pursue a graduate or professional degree. The plant health and industry focus area includes some courses in basic math and sciences, as well as additional courses in agriculture and economics/management and upper-level courses in plant pathology, entomology, and other agricultural sciences. This focus area is designed for students who intend to work in industry after receiving their undergraduate degree. More information about careers in plant pathology is available from the department.

For those interested in graduate studies, the Department of Plant Pathology offers a broad program leading to MS and PhD degrees, which is described in the Graduate Guide (https://guide.wisc.edu/graduate/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Organic Agriculture, Certificate (p. 220)
- Plant Pathology, BS (p. 222)

ORGANIC AGRICULTURE, CERTIFICATE

As consumer, industry, and society engagement with organic agriculture expands, the Certificate in Organic Agriculture provides undergraduate students excellent opportunities for learning on a variety of levels, including hands-on experiences. While the certificate focuses on the production and processing approaches that define organic agriculture, students can also explore other dimensions including economic, environmental, health, food systems, and policy. This interdisciplinary certificate can help UW students from various majors to develop employment opportunities in organic agriculture businesses (farm to fork), policy, public and non-governmental agency work, individual wellness and health initiatives, and sustainable development efforts.

HOW TO GET IN

HOW TO GET IN

Students may declare the certificate after completing one of these courses:

Code	Title	Credits
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
PL PATH/ BOTANY 123	Plants, Parasites, and People	3
PLANTSCI 110	Introduction to Plant Science and Technology	4
C&E SOC/SOC 222	Food, Culture, and Society	3

Students who meet the eligibility criteria must contact the certificate advisor listed in the contact information box to declare the certificate and be assigned an advisor. Students are encouraged to meet with the certificate advisor at any stage of their interest in the certificate.

Students cannot declare the Certificate in Food Systems along with Certificate in Organic Agriculture.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Foundation		3-4
Core		6
Electives		6
Total Credits		**15-16**

- Minimum of 15 credits and successful completion of all course requirements
- A minimum cumulative GPA of 2.5 in certificate coursework is required
- Courses in which a student elects the pass/fail option will not count toward completion of requirements.

Code	Title	Credits
Foundation		
Complete one of the following courses:		
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
C&E SOC/SOC 222	Food, Culture, and Society	3
PL PATH/ BOTANY 123	Plants, Parasites, and People	3
PLANTSCI 110	Introduction to Plant Science and Technology	4
Core		

Complete all of the following courses:		
PLANTSCI/A A E/ PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
PLANTSCI 372	Seminar in Organic Agriculture	1
PL PATH 499	Independent Study in Organic Agriculture	2
Electives		
Complete 6 credits from the following list - courses can be chosen from any topic area:		
Public Policy Administration		
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 319	The International Agricultural Economy	3
FOOD SCI/ AN SCI 321	Food Laws and Regulations	1
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
LSC 251	Science, Media and Society	3
PUB AFFR 240	Evidence-Based Policy Making	3
PUB AFFR 380	Analytic Tools for Public Policy	3
Business/Entrepreneurship		
A A E 101	Introduction to Agricultural and Applied Economics	4
A A E 320	Agricultural Systems Management	3
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
or GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	
OTM/ MARKETNG 421	Fundamentals of Supply Chain Management	3
ENVIR ST/A A E/ ECON 343	Environmental Economics	3-4
M H R 310	Challenges & Solutions in Business Sustainability	3
FOOD SCI 437	Food Service Operations	4
M H R 322	Introduction to Entrepreneurship	3
M H R 434	Venture Creation	3
Organic Production Processing		
AGROECOL 377	Global Food Production and Health	3
AN SCI 245	Animal Welfare	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
BSE 349	Quantitative Techniques for Biological Systems	3
DY SCI 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
ENTOM 351	Principles of Economic Entomology	3
PL PATH 300	Introduction to Plant Pathology	4
PL PATH 315	Plant Microbiomes	4
PL PATH 517	Plant Disease Resistance	2-3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 333	Survey of Controlled Environment Food Production	2
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 376	Tropical Horticultural Systems	2
SOIL SCI 323	Soil Biology	3
SOIL SCI 326	Plant Nutrition Management	3
Social Dimension		
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
C&E SOC/SOC 341	Labor in Global Food Systems	3
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
GEOG/ ENVIR ST 139	Global Environmental Issues	3
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
PL PATH 311	Global Food Security	3
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Describe the history of current organic systems and how it influences the way that organic farms and industries work.
2. Explore the biological, ecological, and agricultural underpinnings of organic production systems
3. Examine how organic systems, social initiatives, and regulations are developed and how they shape business activities, community development efforts, and human and environmental health outcomes.
4. Evaluate the benefits and limitations of organic systems, social initiatives, and regulations from environmental, social, economic, and racial justice perspectives
5. Apply knowledge of organic production through experiential opportunities within local, national and/or international communities.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an essential resource for students in the Certificate for Organic Agriculture and helps students shape their unique Wisconsin Experience and career path by making the most of their time at UW–Madison. Advisors can help students make well-informed decisions about coursework and academics, share strategies for success, support them as they encounter challenges, connect them to resources, and provide information about campus policies and procedures. Students are encouraged to regularly meet with their advisor to help ensure that they are aware of opportunities and are progressing in their academic and career goals.

Advising is typically done through individual in-person appointments, but advisors are also able to meet with students over the phone or through video conferencing if needed. Quick questions can be answered via email, but an appointment should be scheduled if a conversation is needed.

CAREERS

The knowledge and skills developed through the Certificate in Organic Agriculture equip students for success in a range of career paths. Some certificate graduates may use this background to go into organic production, while others may choose a career path in relation to economics, policy, environmental stewardship, health, food systems, and beyond. This certificate has the potential to positively impact the employability of UW students across a variety of disciplines that intersect with organic agricultural production, policy, marketing, business, management, wellness, and community development.

Because an interest in organic agriculture can lead to many different careers, students are encouraged to begin the career exploration process early in their UW–Madison journey by working with advisors, faculty, and career resources on campus. These resources can help students reflect on their values and goals, identify career paths, and outline strategies for pursuing their goals.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Students who are engaged in the Certificate in Organic Agriculture can be involved in an array of opportunities across campus. In addition to the hands-on experiences in the certificate program, students are highly encouraged to complement their coursework with out-of-classroom experiences such as research, volunteering, and study abroad.

The following opportunities can help students connect with other students interested in organic agriculture, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- Association of Women in Agriculture (https://awamadison.org/)
- GreenHouse Learning Community (https://www.housing.wisc.edu/residence-halls/learning-communities/greenhouse/)
- Women in Science and Engineering Learning Community (https://www.housing.wisc.edu/residence-halls/learning-communities/wise/)
- The People's Farm (https://www.the-peoples-farm.com/)
- Slow Food UW (https://slowfood-uw.org/)
- Minorities in Agriculture, Natural Resources and Related Sciences - MANRRS (https://www.manrrs.org/)
- CALS Study Abroad (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/)
- Badger Volunteers (https://morgridge.wisc.edu/students/badger-volunteers/)
- UW Student Organic Farm (https://uworganic.wisc.edu/uw-student-organic-farm/)
- UW Organic Collaborative (https://uworganic.wisc.edu/)
- Badger Crops Club (https://pasdept.wisc.edu/academics/undergraduate/agronomy-major/badger-crop-club/)

PLANT PATHOLOGY, BS

Plant pathology is the study of plants and their pathogens, the process of disease, and how plant health and disease are influenced by factors such as the weather, nonpathogenic microorganisms, and plant nutrition. It encompasses fundamental biology as well as applied agricultural sciences.

Plant pathology involves the study of plants and pathogens at the genetic, biochemical, physiological, cellular, population, and community levels, and how the knowledge derived is integrated and put into agricultural practice. Prerequisite to effective research, teaching, and extension in plant pathology is a breadth of interdisciplinary interest and knowledge, in a department and in its individual members, reaching from ecology to microbiology, from meteorology to applied mathematics, and from molecular biology to communication skills.

LEARN THROUGH REAL-WORLD, HANDS-ON EXPERIENCES

Plant Pathology students learn in many field and lab courses, including classes that focus on economics of plant disease, interactions between plants and people, fungi, organic agriculture, and global food security. They can also take part in a summer field course, numerous internships, and research opportunities.

BUILD COMMUNITY AND NETWORKS

Plant pathology is a field that thrives in, and makes its greatest contribution to, comprehensive institutions like the University of Wisconsin–Madison where the proximity and complementarity of basic sciences and the other applied agricultural sciences are exceptionally strong. Please visit the department's Extension and Outreach (https://plantpath.wisc.edu/extension-overview/) overview page for additional details on the department's outreach activities, public education programs, and student organizations.

CUSTOMIZE A PATH OF STUDY

Undergraduates in Plant Pathology can choose between two tracks. The plant–microbe biology track has courses in basic math and sciences, including biology, chemistry, and physics, along with upper-level courses in plant pathology, biochemistry, and microbiology. This track is geared toward students who have an interest in receiving a broad education in the basic sciences or plan to pursue a graduate or professional degree.

The plant health and industry track includes some courses in basic math and sciences, as well as additional courses in agriculture and economics/management and upper-level courses in plant pathology, entomology, and

other agricultural sciences. This track is designed for students who intend to work in industry after receiving their undergraduate degree.

Students are also able to explore double majors and a multitude of undergraduate certificates based on their unique educational and professional interests. More information about careers in plant pathology is available from the department.

MAKE A STRONG START

Freshmen who are interested in Plant Pathology are encouraged to participate in a First-Year Interest Group (https://figs.wisc.edu/what/) (FIG) program. Topics of interest to Plant Pathology students include global food security, plants and human well-being, and many other fascinating options. See the latest Choose Your FIG (https://figs.wisc.edu/choose/) catalog for details.

GAIN GLOBAL PERSPECTIVE

The Plant Pathology program is a great choice for students who wish to participate in a study abroad experience. Students can choose from a multitude of destinations worldwide and can travel abroad during summer, spring, or fall terms. Students can explore studying abroad as a Plant Pathology major by utilizing the Plant Pathology Major Advising Page. Students work with their advisor and the CALS study abroad office to identify appropriate programs.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5

CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. A minimum of 15 credits must be completed in the major that are not used to complete university or college requirements.

Code	Title	Credits
Core Mathematics		
Complete one of the following (or may be satisfied by placement exam):		5-6
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171	Calculus with Algebra and Trigonometry I	
Core Chemistry		
Complete one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Introductory Biology		
Complete one of the following options:		10
Option 1 (preferred):		
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
Option 2:		
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	
Option 3:		
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	
Core Physics		
Complete one of the following:		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
Plant Pathology Core		
PL PATH 300	Introduction to Plant Pathology	4
PL PATH/BOTANY 332	Fungi	4
Another PL PATH course numbered 300 and above [1]		3
Capstone		
PL PATH 590	Capstone in Plant Pathology	3
Focus Areas		
Complete one of the following:		29-39
Plant-Microbe Biology Focus		
Plant Health and Industry Focus		
Total Credits		**67-83**

[1] Not including PL PATH 375 Special Topics or independent study credits—PL PATH 299 Independent Study, PL PATH 399 Coordinative Internship/Cooperative Education, PL PATH 590 Capstone in Plant Pathology, PL PATH 681 Senior Honors Thesis, PL PATH 682 Senior Honors Thesis, or PL PATH 699 Special Problems.

FOCUS AREAS

Plant–Microbe Biology Focus

Code	Title	Credits
Additional Mathematics and Statistics		
Complete one of the following:		5
MATH 211	Survey of Calculus 1	
MATH 217	Calculus with Algebra and Trigonometry II [1]	
MATH 221	Calculus and Analytic Geometry 1	
Complete one of the following:		3-4
MATH 222	Calculus and Analytic Geometry 2 [2]	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Additional Chemistry		
Complete one of the following options:		4-8
CHEM 343 & CHEM 344 & CHEM 345	Organic Chemistry I and Introductory Organic Chemistry Laboratory and Organic Chemistry II	
CHEM 341 & CHEM 342	Elementary Organic Chemistry and Elementary Organic Chemistry Laboratory	
Biology		
Complete one of the following options:		5-8
Option 1:		
MICROBIO 303 & MICROBIO 304	Biology of Microorganisms and Biology of Microorganisms Laboratory	
GENETICS 466	Principles of Genetics	
Option 2:		
Complete two of the following:		
BIOCORE 485	Principles of Physiology	

BIOCORE 486	Principles of Physiology Laboratory	
BIOCORE 587	Biological Interactions	
Additional Physics		
Complete one of the following:		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Plant Physiology		
BOTANY 500	Plant Physiology	3-4
Plant-Microbe Electives		
Complete 5 credits from the following:		5
BIOCHEM 501	Introduction to Biochemistry	
BOTANY 300	Plant Anatomy	
BOTANY 400	Plant Systematics	
or BOTANY 401	Vascular Flora of Wisconsin	
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
ENTOM/ ZOOLOGY 302	Introduction to Entomology	
Any PL PATH course numbered 300 and above		
Total Credits		**29-39**

1 MATH 171 is a prerequisite for MATH 217.

2 MATH 221 Calculus and Analytic Geometry 1/MATH 217 Calculus with Algebra and Trigonometry II is a prerequisite for MATH 222 Calculus and Analytic Geometry 2

Plant Health and Industry Focus

Code	Title	Credits
Biology		
GENETICS 466	Principles of Genetics	3
Core		
PL PATH 559	Diseases of Economic Plants	3-4
or BOTANY 500	Plant Physiology	
Plant Health and Industry Electives		
Complete 24 credits from at least two different subject listings from the following:		24
BOTANY/ ENVIR ST/ ZOOLOGY 260	Introductory Ecology	
BOTANY 300	Plant Anatomy	
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
BOTANY 500	Plant Physiology	
BIOCHEM 501	Introduction to Biochemistry	
C&E SOC/ SOC 140	Introduction to Community and Environmental Sociology	
C&E SOC/ SOC 222	Food, Culture, and Society	
C&E SOC/ AMER IND/ SOC 578	Poverty and Place	
C&E SOC/ SOC 650	Sociology of Agriculture	
ENTOM/ ENVIR ST 201	Insects and Human Culture-a Survey Course in Entomology	
ENTOM/ ZOOLOGY 302	Introduction to Entomology	
F&W ECOL/ ENVIR ST 100	Forests of the World	
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	
F&W ECOL/ BOTANY 455	The Vegetation of Wisconsin	
F&W ECOL/ BOTANY/ ZOOLOGY 460	General Ecology	
F&W ECOL 550	Forest Ecology	
MICROBIO 101	General Microbiology	
MICROBIO 102	General Microbiology Laboratory	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
NUTR SCI 132	Nutrition Today	
NUTR SCI/ AN SCI/ DY SCI 311	Comparative Animal Nutrition	
NUTR SCI 332	Human Nutritional Needs	
NUTR SCI/ A A E 350	World Hunger and Malnutrition	
NUTR SCI/ BIOCHEM 510	Nutritional Biochemistry and Metabolism	
NUTR SCI 540	Community Nutrition and Health Equity	
PLANTSCI 110	Introduction to Plant Science and Technology	
PLANTSCI/ PL PATH 261	Sustainable Turfgrass Use and Management	
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	
PLANTSCI 300	Cropping Systems	
PLANTSCI 302	Forage Management and Utilization	
PLANTSCI 320	Environment of Cultivated Plants	
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
SOIL SCI 301	General Soil Science	
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	
SOIL SCI 326	Plant Nutrition Management	
Any PL PATH course numbered 300 and above not already taken for another category		
Business		

Complete 6 credits from the following:		6
ACCT I S 100	Introductory Financial Accounting	
ACCT I S 211	Introductory Managerial Accounting	
ACCT I S 300	Accounting Principles	
ACCT I S 301	Financial Reporting I	
ACCT I S 302	Financial Reporting II	
ACCT I S 329	Taxation: Concepts for Business and Personal Planning	
A A E 320	Agricultural Systems Management	
A A E 101	Introduction to Agricultural and Applied Economics	
A A E 322	Commodity Markets	
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	
A A E 419	Agricultural Finance	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 474	Economic Problems of Developing Areas	
ECON 101	Principles of Microeconomics	
ECON 102	Principles of Macroeconomics	
LSC 270	Marketing Communication for the Sciences	
M H R 300	Managing Organizations	
M H R 305	Human Resource Management	
Total Credits		**36-37**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Define and explain major concepts in the biological sciences including Plant Pathology.
2. Appropriately use biological instrumentation and laboratory techniques.
3. Explain and apply the scientific method including designing and conducting experiments and testing hypotheses.
4. Recognize the relationship between structure and function at all levels: molecular, cellular, organismal, and ecological.
5. Demonstrate a style appropriate for communicating scientific results in written and oral form.
6. Integrate math, physical sciences, and technology to answer biological questions using the scientific method.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Sample Four-Year Plan is a tool to assist students and their advisor(s). Students should use it—along with their DARS report, the Degree Planner, and Course Search & Enroll tools—to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Students must complete at least 120 total credits to be eligible for graduation.

SAMPLE PLANT PATHOLOGY FOUR-YEAR PLAN—PLANT-MICROBE BIOLOGY FOCUS AREA

First Year

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
MATH 221	5	Humanities Course	3
First Year Seminar	1	MATH 222	4
COMM A or Elective	3	Electives	3
	13		**15**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	ZOOLOGY/BIOLOGY/ BOTANY 152	5
ZOOLOGY/BIOLOGY/ BOTANY 151	5	CHEM 344	2
Humanities Course	3	CHEM 345	3
Social Science Course	3	Ethnic Studies Course	3
	14		**13**

Third Year

Fall	Credits	Spring	Credits
PL PATH 300	4	PHYSICS 104	4
PHYSICS 103	4	PL PATH/BOTANY 332	4
Electives	6	GENETICS 466	3
International Studies Course	3	Electives	6
	17		**17**

Fourth Year

Fall	Credits	Spring	Credits
MICROBIO 303	3	BOTANY 500	3
MICROBIO 304	2	PL PATH 590	3
Plant Pathology Core Elective	3	Plant Microbe Electives	5

Electives	6	Electives	6
	14		**17**

Total Credits 120

SAMPLE PLANT PATHOLOGY FOUR-YEAR PLAN—PLANT-HEALTH AND INDUSTRY FOCUS AREA

First Year

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151	5	MATH 113	3
MATH 112	3	BIOLOGY/BOTANY/ ZOOLOGY 152	5
First Year Seminar	1	Humanities Course	3
COMM A	3	Electives	3-4
Elective	3		
	15		**15**

Second Year

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
Humanities Course	3	Ethnic Studies Course	3
Social Science Course	3	BOTANY 500	3
Plant Health and Industry Elective	3-5	Business Course	3-4
	15		**15**

Third Year

Fall	Credits	Spring	Credits
PL PATH 300	4	PL PATH/BOTANY 332	4
PHYSICS 103	4	GENETICS 466	3
Elective	1	Electives	2
Plant Health and Industry Elective	3	Plant Health and Industry Elective	6
International Studies Course	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Plant Health and Industry Electives	6	PL PATH 590	3
Electives	6	Plant Health and Industry Electives	6
Business Course	3	Electives	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students in plant pathology are assigned to both a professional staff advisor and one of our faculty advisors. Current faculty advisors include:

Leslie Holland
Amanda Gevens
Mehdi Kabbage
Paul Koch
Richard Lankau

Details can be found on our faculty webpage (https://plantpath.wisc.edu/faculty/). Undergraduates in plant pathology are strongly encouraged to consult with an advisor before enrollment for the upcoming term.

For more information about the Plant Pathology major or the department in general, please see the contact information on this page. Students with questions regarding Plant Pathology lab positions – both paid and unpaid – should contact Professor Jeri Barak.

CAREER OPPORTUNITIES

Please visit our Internship & Job Resources (https://plantpath.wisc.edu/undergrad-overview/undergrad-student-internship-job-resources/) page for information on career opportunities available to plant pathology students. For more information on other academic, co-curricular, financial aid, and career services available to plant pathology students, please visit the CALS Career Services (https://cals.wisc.edu/academics/undergraduate-students/career-services/) page. Students in the major are welcome to make an individual appointment with an advisor to discuss career-related topics such as career exploration, search strategies, graduate school, and review of application materials (resume, CV, letters, etc.).

Plant Pathologists from all educational levels are able to seek employment in a variety of areas. Some examples include:

- colleges and universities
- biotechnology companies
- state and federal agencies
- international agricultural research centers
- nurseries, greenhouses, and garden centers
- non-governmental organizations
- golf courses, public parks, and landscape maintenance companies
- diagnostic laboratories
- seed, plant production, and tissue culture companies
- a variety of private consulting firms

If you would like to know more about what is Plant Pathology and how an undergraduate education in Plant Pathology can help you make an impact on the world around you, please check out the "Plant Pathology: taking you further than you ever imagined (https://www.youtube.com/watch/?v=mzTE3StOHlQ)" video from the American Phytopathological Society (http://www.apsnet.org/Pages/default.aspx).

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Undergraduates majoring in plant pathology at UW–Madison will find an inclusive, welcoming community where professors know their students and are able to provide guidance based on students' specific academic and career goals. There are numerous opportunities to conduct research with internationally prominent faculty and to take part in the Wisconsin Idea, whereby faculty and students extend the knowledge developed at the

university to stakeholders in Wisconsin and beyond for the betterment of society.

INTERNSHIPS

Plant Pathology offers paid research internships during summer term, as well as paid or credit-earning research opportunities year-round. Undergraduates get a firsthand view of how research is conducted and what it means to be a professional scientist. For more information on internship opportunities available to plant pathology students, please visit our Internship & Job Resources (https://plantpath.wisc.edu/undergrad-overview/undergrad-student-internship-job-resources/) page.

RESEARCH EXPERIENCE

Nearly all Plant Pathology undergraduates participate in field- or lab-based research with a professor. Research in the department has a long tradition of supporting grower needs. Many faculty are using the plethora of research tools available, including molecular biology and systematics, to answer questions that are directly applicable to grower groups. Please visit the department's Research (https://plantpath.wisc.edu/research/) page for additional details on research activities in Plant Pathology.

STUDENT ORGANIZATIONS

By joining the Plant Pathology Undergraduate Club, majors get to know their fellow students outside the classroom. The department provides resources for students to meet experts who lead discussions on a range of topics including cutting-edge research and technology, career options, and how to apply and compete for jobs.

Undergraduate students are also welcome to join What's Eating My Plants (https://www.facebook.com/wemp.uw/) (WEMP). This organization, founded in 2010 by Plant Pathology graduate students, is dedicated to bridging the gap between the University and the greater Madison community. The students visit Family Science Nights at schools, community centers, and Saturday Science at the Wisconsin Institute for Discovery (WID) throughout the year.

GLOBAL ENGAGEMENT

Plant Pathology students interested in studying issues on a global scale are encouraged to enroll in Plant Path 311: Global Food Security, which explores drivers of food insecurity: barriers to food production (pests, land availability, climate), barriers to food availability (politics, price, biofuels), and a greater need due to population growth. The Plant Pathology program is an excellent choice for students wishing to participate in a study abroad experience. Students can find more information about study abroad on the CALS study abroad advising page (https://cals.wisc.edu/academics/undergraduate-students/international-programs/study-abroad-advising/).

COMMUNITY ENGAGEMENT AND VOLUNTEERING

The UW–Madison Division of Extension provides statewide access to the resources and research of the University of Wisconsin, other universities, and the United States Department of Agriculture so that the people of Wisconsin can learn, grow, and succeed at all stages of life. The UW–Madison Division of Extension carries out the tradition of the Wisconsin Idea (http://www.wisconsinidea.wisc.edu/) – extending the boundaries of the university to the boundaries of the state. UW–Madison Extension and outreach activities support educational programs for farmers, businesses, communities, families, and youth. More details can be found on the department Extension & Outreach (https://plantpath.wisc.edu/extension-overview/) page.

On campus, the Morgridge Center for Public Service (https://morgridge.wisc.edu/) provides resources to help students connect with volunteer opportunities based on their interests and goals.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Department scholarships are available to Plant Pathology students and fellowships are available to support research work with a professor. Students across the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Learn more about college scholarships here (https://cals.wisc.edu/academics/undergraduate-students/financing-your-education/cals-scholarships/).

SOIL AND ENVIRONMENTAL SCIENCES

The Department of Soil and Environmental Sciences provides undergraduate and graduate education in the environmental, agricultural, and natural resource aspects of soils. Areas of emphasis include soil ecology, soil erosion management, soil fertility and plant nutrition, soil physical and chemical characterization, biogeochemistry, urban soils, soil carbon, soil health, soil contaminants, waste management, pedology, and land-use analysis.

Soils are a critical natural resource in environmental protection, food and fiber production, turf and grounds management, rural and urban planning, and waste disposal. All of these facets are integrated into the department's course offerings and research programs. Soil Science majors prepare for professional, technical, consulting, and project positions in environmental sciences, ecology and restoration, crop and timber production, soil informatics, soil conservation, environmental pollution control, turf and grounds management, and land-use planning. Please contact the department for further information on career opportunities.

Students completing an undergraduate major in Soil Science earn a bachelor of science degree. A problem-solving "capstone course" that integrates knowledge gleaned from a diversity of courses is required.

The department also serves as the administrative home for the Environmental Sciences major in the College of Agricultural and Life Sciences.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Environmental Sciences, BS (CALS) (p. 229)
- Environmental Soil Science, Certificate (p. 237)
- Soil Science, BS (p. 239)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Financial support — in the form of approximately 15 scholarships, part-time employment, paid internships, and work-study programs — is available to qualified undergraduate students.

ENVIRONMENTAL SCIENCES, BS (CALS)

The Environmental Sciences major satisfies the growing demand among entry-level students for a rigorous, science-based program that promotes critical thinking and emphasizes environmental problem solving in service to society. The program is designed to prepare graduates who will be highly competitive for entry-level positions in nonprofit and private sectors, and for master's programs and doctoral research programs in environmental fields. Possible career paths include environmental monitoring, consulting, education, research, and planning, as well as natural resource management, ecology restoration, remediation, water and air quality assessment, sustainability practices, and more. Undergraduates in Environmental Sciences prepare for a variety of career and graduate school opportunities that require a strong background in the natural sciences. Foundational course work in the major includes calculus, biology, chemistry, and physics. Core and elective course work is fulfilled through diverse offerings from both the College of Agricultural and Life Sciences and the College of Letters & Science.

The Environmental Sciences major can be earned in either the College of Agricultural and Life Sciences (CALS) or the College of Letters & Science (L&S) under the bachelor of science (BS) or bachelor of arts (BA) degree program. An undergraduate BS degree is offered through both colleges. A BA option is offered through L&S only. Students are encouraged to review the degree requirements for both L&S and CALS and choose the college from which they would prefer to earn their degree; students may choose only one degree "home."

- In CALS, the major is housed in the Department of Soil and Environmental Sciences.
- In L&S, the major is housed in the Department of Atmospheric and Oceanic Sciences.

The major can be taken as a stand-alone or as a double major with a variety of other majors on campus, including Biology, Community & Environmental Sociology, Life Sciences Communication, foreign language/culture, and a number of other disciplines.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

REQUIREMENTS FOR THE MAJOR

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. A minimum of **15 credits** must be completed in the major that are not used elsewhere.

MATHEMATICS AND STATISTICS

This major requires calculus. Prerequisites may need to be taken before enrollment in calculus. Refer to the Course Guide for information about calculus prerequisites.

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1 (Recommended)	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211	Survey of Calculus 1	
Complete one of the following:		3
STAT 240	Data Science Modeling I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-13**

CHEMISTRY

Code	Title	Credits
General Chemistry (complete one of the following options):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry (complete one of the following options):		3
CHEM 341	Elementary Organic Chemistry	
CHEM 343	Organic Chemistry I	
Total Credits		**8-13**

BIOLOGY

Code	Title	Credits
Complete one of the following:		10
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
BOTANY/ BIOLOGY 130 & ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	General Botany and Animal Biology and Animal Biology Laboratory	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	
Total Credits		**10**

PHYSICS

Code	Title	Credits
Complete one of the following:		4-5
PHYSICS 207	General Physics (Recommended)	
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
Total Credits		**4-5**

MAJOR FOUNDATION

Code	Title	Credits
Complete one of the following:		3
GEOSCI/ ENVIR ST 106	Environmental Geology	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
SOIL SCI 250	Introduction to Environmental Science	
Total Credits		**3**

MAJOR CORE

Complete at least one course and 3 credits from each of the following areas:

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology (Recommended)	4
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3

SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
COMP SCI 220	Data Science Programming I	4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Environmental Policy & Social Perspectives

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOSCI/ ENVIR ST 411	Energy Resources	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources	3-4

MAJOR ELECTIVES

Students may consult with their environmental sciences advisor regarding pathways to complete the major electives requirement. Students must complete 12 credits of electives either by:

1. distributing 12 credits across at least three categories;
2. focusing 12 credits in a single category.

Distributed Electives

Students choosing the Distributed Electives path must complete a total of **12 credits** of Environmental Sciences Electives from the categories below, including **at least one course** from **each** category (Ecology, Physical Environment, Geospatial Sciences)[1].

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3

F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 320	Field Marine Biology	3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Focused Electives

Students choosing the Focused Electives path must complete a total of **12 credits** of Environmental Sciences Electives from **one** of the following categories (Ecology, Physical Environment, Geospatial Sciences, or Environmental Policy & Social Perspectives).[1]

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
DY SCI 471	Food Production Systems and Sustainability	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 490	Biodiversity and Global Change	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 320	Field Marine Biology	3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3

SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Environmental Policy & Social Perspectives

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOSCI/ ENVIR ST 411	Energy Resources	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources	3-4

[1] Students may consult their environmental sciences advisor regarding alternate ways to complete the major electives requirement.

CAPSTONE [1]

Code	Title	Credits
CIV ENGR 515	Hydroclimatology for Water Resources Management	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
LAND ARC 668	Restoration Ecology	3
PL PATH 315	Plant Microbiomes	4
PLANTSCI 510	Senior Capstone Experience	2
SOIL SCI 499	Soil Management	3
PLANTSCI 376 & PLANTSCI 378	Tropical Horticultural Systems and Tropical Horticultural Systems International Field Study	4

[1] Students may speak with their environmental science advisor about alternatives (e.g., courses, directed study, senior thesis) to complete the capstone. To be approved, the alternative must be taken for a minimum of 3 credits, clearly focused on environmental science, and approved by the Environmental Sciences Administrative Committee. Students must consult with their environmental sciences advisor and fill out all necessary paperwork before registering.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of Environmental Science fundamentals in the context of biology, chemistry, mathematics, statistics, and physics.
2. Demonstrate a quantitative and qualitative understanding of the ecological relationships (material and energetic) between organisms, both as individuals and in groups, and their biotic and abiotic environment. This may include processes influencing the distribution and abundance of organisms.
3. Demonstrate a quantitative and qualitative understanding of the physical, largely abiotic, conditions (e.g. climate, water, soil, air, noise, greenspace, etc.) of the environment. The physical environment can include natural or managed settings such as urban environments.
4. Demonstrate a quantitative and qualitative understanding of geospatial processes and information as it relates to the environment including how to collect, interpret, and analyze geospatial information regarding the features of the Earth's surface. These technologies may include geographic information systems (GIS), the global positioning system (GPS), digital maps, and satellite based remote sensing.
5. Demonstrate a basic understanding of relationships that focus on the organization and implementation of laws, regulations, and other policy mechanisms concerning environmental issues and sustainability and their effect on society. This includes how human behaviors influences, and are also influenced by, the natural environment.
6. Apply skills in critical thinking, problem identification and resolution of a complex environmental issues that require interdisciplinary solutions and team-based work.
7. Articulate the role of environmental science in one or more focused areas of a specific environmental discipline (e.g. geology, soils, atmosphere, water, plants, animals).
8. Demonstrate expertise in organizing and presenting (written and oral) scientific information to both lay and professional audiences.

FOUR-YEAR PLAN

FOUR-YEAR-PLAN

SAMPLE ENVIRONMENTAL SCIENCES FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 114 or 171[1]	5	MATH 221, 217, or 211[1]	5
SOIL SCI 250	3	Ethnic Studies	3
CALS First Year Seminar	1	COMM A Course	3-4
	13		**16**

Second Year

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151 (or BOLOGY/BOTANY 130)	5	BIOLOGY/BOTANY/ ZOOLOGY 152 (or BIOLOGY/ZOOLOGY 101 & BIOLOGY/ZOOLOGY 102)[2]	5
CHEM 341 or 343	3	STAT 371	3
CALS International Studies	3	Humanities Breadth	3-4
Social Sciences Breadth	3-4	Elective (or COMM B Course)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 207, 201, or 103	4-5	Major Core Courses	6
Major Core Courses	6	Humanities Breadth	3
Electives	5-7	Electives	6-7
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Major Electives	6	Major Electives	6
Capstone	2-4	Electives	9
Electives	6		
	16		**15**

Total Credits 120

[1] Sequence of MATH 112/MATH 113 (or MATH 114) and MATH 221 is recommended.

[2] Completion of BIOLOGY/BOTANY/ZOOLOGY 152 fulfills the Communication Part B university requirement.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students wishing to declare the Environmental Sciences major should meet with an academic advisor. Contact information for advisors can be found here (http://envirosci.wisc.edu/advising/).

CALS undergraduate students interested in pursuing the Environmental Sciences major in the College of Agricultural and Life Sciences should contact Zach Wyman, zwyman@ (zwyman@wisc.edu)wisc.edu (zwyman@wisc.edu) or 608-265-2925.

L&S undergraduate students interested in pursuing the Environmental Sciences major in the College of Letters & Science should contact the Sabrina Manero, smanero@wisc.edu.

CAREERS

A major in Environmental Sciences serves as excellent preparation for careers of great diversity, including environmental modeling, agricultural scientist, botanist, ecologist, park ranger, agricultural technician, air and water quality manager, environmental analyst, air pollution analyst, environmental consultant, environmental educator, GIS analyst, project manager, hazardous waste manager, hydrologist, environmental lawyer, soil conservation technician, and natural resource specialist. For more info about careers, please visit our website (http://envirosci.wisc.edu/careers-internships/).

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As an interdisciplinary cross-college major, students majoring in Environmental Sciences are involved in a wide array of opportunities across campus. Students are highly encouraged to complement their coursework with out-of-classroom experiences such as research (https://research.wisc.edu/information-for-undergraduate-students/), volunteering (https://morgridge.wisc.edu/), internships (https://envirosci.wisc.edu/careers-internships/), and study abroad (https://www.studyabroad.wisc.edu/).

Many students are also involved in environmental and sustainability organizations (https://sustainability.wisc.edu/student-organizations/).

ENVIRONMENTAL SOIL SCIENCE, CERTIFICATE

The Environmental Soil Science Certificate is a gateway to understanding the dynamics of Earth's thin living skin. Soil is where the atmosphere, lithosphere, and hydrosphere connect and is pivotal in shaping ecosystems' biodiversity, health, and resilience. Mastery of soil properties, processes, and distribution is necessary for addressing pressing environmental challenges, including food and energy security, water quality protection, climate change, and ecosystem health.

This certificate equips students with a holistic understanding of soil and its intersection with environmental issues. Rooted in a foundational soil science course, students delve into thematic areas, forming connections between soils and various environmental domains.

Designed as a launchpad, this certificate empowers students to pursue careers and certification in the field of soil science, opening doors for employment in the public and private sectors. Our dedicated advisors will guide students in selecting courses tailored to prepare them for their journey toward expertise in soil science and environmental stewardship.

HOW TO GET IN

HOW TO GET IN

The Certificate in Environmental Soil Science is open to all undergraduate students. Students pursuing the program are encouraged to declare as early as possible so that they can best align the coursework with their interests and plan their field experience.

PREPARATORY COURSEWORK

No courses are required to declare the certificate; however, general chemistry is a prerequisite to complete required courses in the certificate.

Code	Title	Credits
CHEM 103	General Chemistry I	4
CHEM 109	Advanced General Chemistry	5
CHEM 115	Chemical Principles I	5

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Soil Science Foundation		4
Soil Science Themes		9
Allied Sciences		2-4
Total Credits		**16**

- The certificate requires a minimum of **16 credits**.
- A minimum grade of C is required in all certificate coursework.
- Courses taken on a pass/fail (satisfactory/unsatisfactory) basis will not count toward the certificate.
- All certificate coursework must be completed in residence at the UW-Madison.

SOIL SCIENCE FOUNDATION

Complete the following courses for a total of **4 credits**:

Code	Title	Credits
SOIL SCI 301	General Soil Science	3
or SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
Total Credits		**4**

SOIL SCIENCE THEMES

Complete at least one course from three of the four thematic areas for a minimum of **9 credits**. Courses may only count towards one thematic area. Additional courses from this section may be completed to meet the overall minimum credits for the certificate.

Soil Fertility & Chemistry

Code	Title	Credits
SOIL SCI 326	Plant Nutrition Management	3
SOIL SCI/BSE/ CIV ENGR 372	On-Site Waste Water Treatment and Dispersal	2
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Soil Physics & Development

Code	Title	Credits
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI/ GEOG 525	Soil Geomorphology	3
SOIL SCI/ GEOG 526	Human Transformations of Earth Surface Processes	3
SOIL SCI 622	Soil Physics	3

Soil Biology & Ecology

Code	Title	Credits
SOIL SCI 323	Soil Biology	3
SOIL SCI/ MICROBIO 425	Environmental Microbiology	3
AGROECOL 370	Grassland Ecology	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI/ MICROBIO 523	Soil Microbiology and Biochemistry	3

Soils and the Environment

Code	Title	Credits
SOIL SCI 211	Soils and Climate Change	2
SOIL SCI 250	Introduction to Environmental Science	3
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI 499	Soil Management	3
SOIL SCI/ ENVIR ST 575	Assessment of Environmental Impact	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3

ALLIED SCIENCES

Complete one course from the following for a minimum of **2 credits**:

Course List

Code	Title	Credits
A A E 101	Introduction to Agricultural and Applied Economics	4
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 352	Global Health: Economics, Natural Systems, and Policy	4
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
AGROECOL 370	Grassland Ecology	3
BSE 301	Land Information Management	3
AGROECOL 377	Global Food Production and Health	3
BSE/CIV ENGR/ SOIL SCI 372	On-Site Waste Water Treatment and Dispersal	2
BSE 473	Water Management Systems	3
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
ENTOM/ NUTR SCI 203	Introduction to Global Health	3
ENTOM 570	Systems Thinking in Global Health	3
PLANTSCI 110	Introduction to Plant Science and Technology	4
PLANTSCI 227	Propagation of Horticultural Plants	3
LSC 212	Introduction to Scientific Communication	3
PLANTSCI/ PL PATH 261	Sustainable Turfgrass Use and Management	2
PLANTSCI 370	World Vegetable Crops	3
LSC 251	Science, Media and Society	3
LSC 430	Communicating Science with Narrative	3
PL PATH 311	Global Food Security	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Discuss, debate, and communicate those aspects of soil science pertinent to their primary major, specialization, and career goals.

2. Describe how soil integrates into larger environmental issues using its properties, processes, and distribution from local to global scales and natural to anthropogenic environments.
3. Identify potential solutions to issues related to soil that promote the ecosystem services soil provides.
4. Communicate, in written or oral form, potential environmental impacts of land-use practices involving soil.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each certificate student is assigned an advisor who works to understand student goals and help students shape their path through the certificate. Advisors also provide support for post-graduation plans such as jobs, fellowships, or graduate school.

There may be additional requirements for students seeking a Professional Soil Scientist certification beyond the Certificate requirements.
The certificate advisor can help you identify courses that will meet requirements for the Professional Soil Scientist Certification through The Soil Science Society of America.

CAREER OPPORTUNITIES

The Certificate in Environmental Soil Science provides an attractive addition to a science, engineering, or allied science major for students interested in careers in environmental sciences, agricultural science, natural resources, and other related industries. Students in majors across campus can also use the certificate to diversify their skills and knowledge to be better informed citizens.

Questions about advising or careers may be directed to the certificate advisor listed in the contact box.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Students in the Certificate in Environmental Soil Science are involved in an array of opportunities across campus. Students are highly encouraged to complement their coursework with out-of-classroom experiences such as research (https://soilenvsci.wisc.edu/research-and-extension/research/), volunteering (https://morgridge.wisc.edu/), internships (https://cals.wisc.edu/academics/undergraduate-students/outside-the-classroom/internships/), and study abroad (https://www.studyabroad.wisc.edu/).

Students in the certificate can participate in the UW-Madison Soil Judging Team.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

CERTIFIED PROFESSIONAL SOIL SCIENTIST

There may be additional requirements for students seeking a Professional Soil Scientist certification beyond the Certificate requirements. Work with your advisor to ensure that you complete courses that will meet requirements for the Professional Soil Scientist Certification through The Soil Science Society of America.

Please refer to https://www.soils.org/certifications/become-certified/ for current requirements.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Financial support in the form of scholarships, part-time employment, paid internships, and work-study programs is available to qualified undergraduate students. Students with a primary major in the College of Agricultural and Life Sciences receive more than $1.25 million in scholarships annually. Additionally, the Department of Soil and Environmental Sciences is proud to offer numerous scholarships annually to students pursuing the Certificate in Environmental Soil Science.

SOIL SCIENCE, BS

Admissions to the Soil Science, BS were suspended as of summer 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

The Department of Soil and Environmental Sciences provides undergraduate and graduate education in the environmental, agricultural, and natural resource aspects of soils. Areas of emphasis include soil ecology, soil erosion management, soil fertility and plant nutrition, soil physical and chemical characterization, biogeochemistry, urban soils, soil carbon, soil health, soil contaminants, waste management, pedology, and land use analysis.

Soils are a critical natural resource in environmental protection, food and fiber production, turf and grounds management, rural and urban planning, and waste disposal. All of these facets are integrated into the department's course offerings and research programs. Soil science majors prepare for professional, technical, consulting, and project positions in environmental sciences, ecology and restoration, crop and timber production, soil informatics, soil conservation, environmental pollution control, turf and grounds management, and land-use planning. Please contact the department for further information on career opportunities.

Students completing an undergraduate major in soil science earn a bachelor of science degree. A problem-solving "capstone course" that integrates knowledge gleaned from a diversity of courses is required.

HOW TO GET IN

HOW TO GET IN

Admissions to the Soil Science, BS were suspended as of summer 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.

Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	Must have fewer than 86 credits.
Other	Students who do not meet the requirements above or are not in good academic standing should schedule a meeting with CALS Dean on Call (https://go.wisc.edu/g85h79 (https://go.wisc.edu/g85h79/)) to discuss exceptions.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students interested in this major should select it as the first choice major on their UW–Madison application. Admitted students who enroll at UW-Madison and attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. More information is available here (https://cals.wisc.edu/academics/undergraduate/future-students/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS BS DEGREE PROGRAMS

Code	Title	Credits
Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.		
Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.		
First year seminar (p. 47)		1
International studies (p. 47)		3
Physical science fundamentals		4-5
CHEM 103	General Chemistry I	
or CHEM 108	Chemistry in Our World	
or CHEM 109	Advanced General Chemistry	
Biological science		5
Additional science (biological, physical, or natural)		3
Science breadth (biological, physical, natural, or social)		3
CALS Capstone Learning Experience: included in the requirements for each CALS major (see "major requirements") (p. 48)		

MAJOR REQUIREMENTS

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement. A minimum of 15 credits must be completed in the major that are not used elsewhere.

Code	Title	Credits
Mathematics and Statistics		
Select one of the following courses:		3-5
MATH 112	College Algebra	
MATH 114	Precalculus	
MATH 171	Calculus with Algebra and Trigonometry I [1]	
Select one of the following courses:		3-4
STAT 371	Introductory Applied Statistics for the Life Sciences (recommended)	
STAT/ F&W ECOL 571	Statistical Methods for Bioscience I	
Chemistry		

Select one of the following options:		5-9
Option 1:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
Option 2:		
CHEM 109	Advanced General Chemistry	
Biology		
Select one of the following options:		10
Option 1 (recommended):		
BOTANY/ BIOLOGY 130	General Botany [2]	
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
Option 2:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option 3:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
Core		
SOIL SCI 301 & SOIL SCI 302	General Soil Science and Meet Your Soil: Soil Analysis and Interpretation Laboratory	4
Select one of the following courses:		3
SOIL SCI 621	Soil and Environmental Chemistry	
SOIL SCI 326	Plant Nutrition Management	
Select one of the following courses:		3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	
SOIL SCI 622	Soil Physics	
Select one of the following courses:		3
SOIL SCI 323	Soil Biology	
SOIL SCI/ MICROBIO 425	Environmental Microbiology	
SOIL SCI/ MICROBIO 523	Soil Microbiology and Biochemistry	
Focus Areas		
Students must complete 1 of 3 focus areas: 1. Environmental Soil Science 2. Soil and Food Systems 3. Turf and Grounds (see below)		29-44
Capstone		
Select one of the following courses:		3-4
SOIL SCI 499	Soil Management [3]	
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	
Total Credits		**66-89**

[1] Note that MATH 171 & MATH 217 must be taken as a sequence.
[2] BOTANY/BIOLOGY 130 is required by the Turf and Grounds focus area.
[3] SOIL SCI 499 capstone required for Turf and Grounds focus area.

FOCUS AREAS WITHIN THE MAJOR

Environmental Soil Science

Code	Title	Credits
Mathematics		
Select one of the following courses:		5
MATH 211	Survey of Calculus 1	
MATH 221	Calculus and Analytic Geometry 1	
MATH 217	Calculus with Algebra and Trigonometry II	
Physics		
Select one of the following courses:		4-5
PHYSICS 103	General Physics (recommended)	
PHYSICS 104	General Physics	
PHYSICS 207	General Physics	
PHYSICS 208	General Physics	
Chemistry		
Select one of the following options:		4-8
Option 1:		
CHEM 311	Chemistry Across the Periodic Table	
CHEM 327	Fundamentals of Analytical Science	
or CHEM 329	Fundamentals of Analytical Science	
Option 2:		
CHEM 341 & CHEM 342	Elementary Organic Chemistry and Elementary Organic Chemistry Laboratory	
Option 3:		
CHEM 343 & CHEM 344 & CHEM 345	Organic Chemistry I and Introductory Organic Chemistry Laboratory and Organic Chemistry II	
Physical Environment		**6**
Select one course from the following:		
ATM OCN 100	Weather and Climate	
ATM OCN 101	Weather and Climate	
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	
GEOG/ ENVIR ST 120	Introduction to the Earth System	
GEOG/ ENVIR ST 127	Physical Systems of the Environment	
GEOSCI/ ENVIR ST 106	Environmental Geology	
GEOSCI 202	Introduction to Geologic Structures	
SOIL SCI 131	Earth's Soil: Natural Science and Human Use	
SOIL SCI 326	Plant Nutrition Management	

Select at least one course from the following:	
GEOG/CIV ENGR 320	Geomorphology
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality
SOIL SCI 621	Soil and Environmental Chemistry
SOIL SCI 622	Soil Physics
PLANTSCI/ ATM OCN 532	Environmental Biophysics
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology
GEOG 578	GIS Applications
Living Environment	**11**
Select one course from the following:	
PLANTSCI 300	Cropping Systems
PLANTSCI 110	Introduction to Plant Science and Technology
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources
PLANTSCI 370	World Vegetable Crops
AGROECOL 400	Study Abroad in Agroecology
AGROECOL 370	Grassland Ecology
SOIL SCI/ MICROBIO 425	Environmental Microbiology
SOIL SCI/ MICROBIO 523	Soil Microbiology and Biochemistry
Select one course from the following:	
BOTANY/F&W ECOL/ZOOLOGY 460	General Ecology
F&W ECOL 550 & F&W ECOL 551	Forest Ecology and Forest Ecology Lab
GENETICS 466	Principles of Genetics
BOTANY 500	Plant Physiology
SOIL SCI/ MICROBIO 523	Soil Microbiology and Biochemistry
GENETICS 545	Genetics Laboratory
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects
Select one of the following options:	
Option 1:	
MICROBIO 101 & MICROBIO 102	General Microbiology and General Microbiology Laboratory
Option 2:	
MICROBIO 303 & MICROBIO 304	Biology of Microorganisms and Biology of Microorganisms Laboratory
Option 3:	
BOTANY 330 & BOTANY/ PL PATH 332	Algae and Fungi
Environmental Policy, Management, and Analysis	**9**
Select one of the following courses:	
SOIL SCI/ENVIR ST 101	Forum on the Environment
ENVIR ST 112	Environmental Studies: Social Science Perspectives
ENVIR ST 113	Environmental Studies: Environmental Humanities
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/GEOG 127	Physical Systems of the Environment
SOIL SCI/ENVIR ST 575	Assessment of Environmental Impact
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes
Select one of the following courses:	
A A E 101	Introduction to Agricultural and Applied Economics
ECON 101	Principles of Microeconomics
ECON 111	Principles of Economics-Accelerated Treatment
A A E/ ENVIR ST 244	The Environment and the Global Economy
A A E 319	The International Agricultural Economy
Select one of the following courses:	
ENVIR ST/ F&W ECOL/ G L E/GEOG/ GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing
ENVIR ST/LAND ARC/SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources
Total Credits	**39-44**

Soil and Food Systems

Code	Title	Credits
Physical Environment		**8-10**
Select one of the following courses:		
ATM OCN 100	Weather and Climate	
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	
ATM OCN 101	Weather and Climate	
GEOG/ ENVIR ST 120	Introduction to the Earth System	
GEOG/ ENVIR ST 127	Physical Systems of the Environment	
GEOSCI 100	Introductory Geology: How the Earth Works	

GEOSCI/ ENVIR ST 106	Environmental Geology
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry
Select one of the following courses:	
F&W ECOL/ ZOOLOGY 565	Principles of Landscape Ecology
GEOG/CIV ENGR 320	Geomorphology
GEOG 578	GIS Applications
GEOG 579	GIS and Spatial Analysis
SOIL SCI 131	Earth's Soil: Natural Science and Human Use
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry
SOIL SCI/ MICROBIO 523	Soil Microbiology and Biochemistry
SOIL SCI 621	Soil and Environmental Chemistry
SOIL SCI 622	Soil Physics
Select one of the following courses:	
ENVIR ST/ F&W ECOL/ G L E/GEOG/ GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing
ENVIR ST/LAND ARC/SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources
Economics and Food Management	**6-8**
Select one of the following courses:	
ACCT I S 100	Introductory Financial Accounting
ACCT I S 211	Introductory Managerial Accounting
ACCT I S 300	Accounting Principles
ACCT I S 301	Financial Reporting I
ACCT I S 329	Taxation: Concepts for Business and Personal Planning
A A E 101	Introduction to Agricultural and Applied Economics
A A E 320	Agricultural Systems Management
A A E 322	Commodity Markets
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership
A A E 419	Agricultural Finance
A A E/ECON 421	Economic Decision Analysis
A A E/ECON 474	Economic Problems of Developing Areas
M H R 305	Human Resource Management
M H R 610	Compensation: Theory and Administration
M H R 611	Strategic Talent Management
M H R 612	Labor-Management Relations
Select one of the following courses:	
ECON 101	Principles of Microeconomics
ECON 111	Principles of Economics-Accelerated Treatment
ACCT I S 100	Introductory Financial Accounting
ACCT I S 211	Introductory Managerial Accounting
ACCT I S 300	Accounting Principles
ACCT I S 301	Financial Reporting I
ACCT I S 329	Taxation: Concepts for Business and Personal Planning
A A E 320	Agricultural Systems Management
A A E 322	Commodity Markets
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership
A A E 419	Agricultural Finance
A A E/ECON 421	Economic Decision Analysis
A A E/ECON 474	Economic Problems of Developing Areas
SOIL SCI/ MICROBIO 425	Environmental Microbiology
SOIL SCI/ MICROBIO 523	Soil Microbiology and Biochemistry
M H R 305	Human Resource Management
M H R 610	Compensation: Theory and Administration
M H R 611	Strategic Talent Management
M H R 612	Labor-Management Relations
Specialized Sciences (complete all)	
PLANTSCI 300	Cropping Systems 3
or PLANTSCI 302	Forage Management and Utilization
PLANTSCI 110	Introduction to Plant Science and Technology 4
PL PATH 300	Introduction to Plant Pathology 3-4
or ENTOM 351	Principles of Economic Entomology
SOIL SCI 326	Plant Nutrition Management 3
A A E 101	Introduction to Agricultural and Applied Economics 3-4
or A A E/ ENVIR ST 244	The Environment and the Global Economy
or A A E 319	The International Agricultural Economy
or A A E/ NUTR SCI 350	World Hunger and Malnutrition
Total Credits	**30-36**

Turf and Grounds

Code	Title	Credits
Physical Environment		
Select one of the following courses:		3
ATM OCN 100	Weather and Climate	
ATM OCN 101	Weather and Climate	
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	
GEOG/ ENVIR ST 120	Introduction to the Earth System	
GEOG/ ENVIR ST 127	Physical Systems of the Environment	

GEOSCI 100	Introductory Geology: How the Earth Works	
GEOSCI/ ENVIR ST 106	Environmental Geology	
Core Turf and Grounds Sciences (complete all)		
ACCT I S 300	Accounting Principles	3
BOTANY/ BIOLOGY 130	General Botany (also counts for Soil Science Biology requirement)	5
PLANTSCI/ PL PATH 261	Sustainable Turfgrass Use and Management	2
M H R 305	Human Resource Management	3
PL PATH 300	Introduction to Plant Pathology	4
SOIL SCI 332	Turfgrass Nutrient and Water Management	3
Specialized Sciences		7
Select 7 credits from the following courses:		
BOTANY/F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	
BSE 301	Land Information Management	
ENTOM 351	Principles of Economic Entomology	
PLANTSCI/ PL PATH 262	Turfgrass Management Laboratory	
PLANTSCI 110	Introduction to Plant Science and Technology	
Total Credits		**30**

HONORS IN THE MAJOR

Students admitted to the university and to the College of Agricultural and Life Sciences are invited to apply to be considered for admission to the CALS Honors Program.

Admission Criteria for New First-Year Students:

- Complete program application including essay questions

Admission Criteria for Transfer and Continuing UW-Madison Students:

- UW-Madison cumulative GPA of at least 3.25
- Complete program application including essay questions

HOW TO APPLY

The application is available on the CALS Honors Program website (https://cals.wisc.edu/academics/undergraduate/current-students/honors-program/). Applications are accepted at any time.

New first-year students with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student's first semester on campus after receiving approval from the advisor for that major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after approval from the major advisor).

REQUIREMENTS

All CALS Honors programs have the following requirements:

- Earn at least a cumulative 3.25 GPA at UW-Madison (some programs have higher requirements)
- Complete the program-specific requirements listed below
- Submit completed thesis documentation to CALS Academic Affairs

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students are required to take at least 20 honors credits. In addition, students must take SOIL SCI 681 Senior Honors Thesis and SOIL SCI 682 Senior Honors Thesis when completing their thesis project; please see the Honors in Major Checklist (http://www.cals.wisc.edu/academics/undergraduate-programs/get-involved/honors-program/honors-in-the-major/) for more information.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. To instill in our undergraduate majors the knowledge base required for them to intelligently discuss, debate and communicate those aspects of soil science pertinent to their degree, specialization and career goals.
2. To provide our undergraduates with the skills and experience needed to identify and solve problems and issues of the types they may encounter in their professions.
3. To ensure that our undergraduates possess an awareness of and an appreciation for the potential impacts of soil, water, crop and waste management practices, and land use on the quality of the environment.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE SOIL SCIENCE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 114 or 171	5	ETHNIC STUDIES	3
FIRST YEAR SEMINAR	1	ELECTIVES	7-8
COMM-A/ELECTIVES	3-4		
	13-15		**15-16**

Second Year

Fall	Credits	Spring	Credits
BOTANY/BIOLOGY 130 or ZOOLOGY 151[1]	5	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
SOIL SCI 301 & SOIL SCI 302	4	COMM-B/ELECTIVES	3
INTERNATIONAL STUDIES	3	FOCUS AREA COURSE	4-5
ELECTIVES	3	ELECTIVES	3
	15		**15-16**

Third Year

Fall	Credits	Spring	Credits
SOIL SCI 621	3	SOIL SCI 622	3
STATISTICS	3	SOIL SCI 323	3
FOCUS AREA COURSE/ ELECTIVES	6	FOCUS AREA COURSES/ELECTIVES	9-10
	12		**15-16**

Fourth Year

Fall	Credits	Spring	Credits
SOIL SCI 499 (Capstone)	3	FOCUS AREA COURSES/ELECTIVES	15-16
FOCUS AREA COURSES/ELECTIVES	12		
	15		**15-16**

Total Credits 115-121

SAMPLE SOIL SCIENCE FOUR-YEAR PLAN: SOIL & FOOD SYSTEMS; TURF AND GROUND FOCUS AREAS

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 114 or 171	5	ETHNIC STUDIES	3
FIRST YEAR SEMINAR	1	ELECTIVES	7-8
COMM-A/ELECTIVES	3-4		
	13-15		**15-16**

Total Credits 28-31

Sophomore

Fall	Credits	Spring	Credits
BOTANY/BIOLOGY 130 or ZOOLOGY 151[1]	5	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
SOIL SCI 301 & SOIL SCI 302	4	COMM-B/ELECTIVES	3
INTERNATIONAL STUDIES	3	FOCUS AREA COURSE	4-5
ELECTIVES	3	ELECTIVES	3
	15		**15-16**

Total Credits 30-31

Junior

Fall	Credits	Spring	Credits
SOIL SCI 621	3	SOIL SCI 323	3
STATISTICS	3	SOIL SCI 622	3
FOCUS AREA COURSE/ ELECTIVES	6	FOCUS AREA COURSES/ELECTIVES	9-10
	12		**15-16**

Total Credits 27-28

Senior

Fall	Credits	Spring	Credits
SOIL SCI 499 (Capstone)	3	FOCUS AREA COURSES/ELECTIVES	15-16
FOCUS AREA COURSES/ELECTIVES	12		
	15		**15-16**

Total Credits 30-31

[1] BOTANY/BIOLOGY 130 and ZOOLOGY/BIOLOGY 101/ZOOLOGY/ BIOLOGY 102 are required for Turf and Grounds focus area.

SAMPLE SOIL SCIENCE FOUR-YEAR PLAN —ENVIRONMENTAL SOIL SCIENCE FOCUS AREA

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 114 or 171	5	ETHNIC STUDIES	3
FIRST YEAR SEMINAR	1	ELECTIVES	7-8
COMM-A/ELECTIVES	3-4		
	13-15		**15-16**

Total Credits 28-31

Sophomore

Fall	Credits	Spring	Credits
BOTANY/BIOLOGY 130 or ZOOLOGY 151	5	ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	5
SOIL SCI 301 & SOIL SCI 302	4	FOCUS AREA COURSE	4-5

INTERNATIONAL STUDIES	3 ELECTIVES	3
ELECTIVES	3 COMM-B/ELECTIVES	3
	15	**15-16**

Total Credits 30-31

Junior

Fall	Credits	Spring	Credits
SOIL SCI 621	3	SOIL SCI 622	3
FOCUS AREA COURSES/ELECTIVES	6	SOIL SCI 323	3
STATISTICS	3	FOCUS AREA COURSES/ELECTIVES	9-10
	12		**15-16**

Total Credits 27-28

Senior

Fall	Credits	Spring	Credits
SOIL SCI 499 (Capstone)	3	FOCUS AREA COURSES/ELECTIVES	15-16
FOCUS AREA COURSES/ELECTIVES	12		
	15		**15-16**

Total Credits 30-31

ADVISING AND CAREERS

ADVISING AND CAREERS

Students are assigned a faculty advisor once they declare the major. Prospective students should contact the undergraduate coordinator, Zach Wyman (zwyman@wisc.edu, 608-265-2925), with questions.

Most of our graduates find employment in a diversity of private and commercial enterprises and governmental agencies. Recent examples of employment include laboratory technician, turf and grounds manager, agrichemical sales representative, environmental scientist, land use planner, land zoning administrator, project manager, wetlands delineator, and hydrogeologist. Approximately 12% of our undergraduates pursue advanced degrees.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Students majoring in soil science are involved in an array of opportunities across campus. Students are highly encouraged to complement their coursework with out-of-classroom experiences such as research (https://soilenvsci.wisc.edu/research-and-extension/research/), volunteering (https://morgridge.wisc.edu/), internships (https://cals.wisc.edu/academics/undergraduate-students/outside-the-classroom/internships/), and study abroad (https://www.studyabroad.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Financial support — in the form of approximately 15 scholarships, part-time employment, paid internships, and work-study programs — is available to qualified undergraduate students. The department also provides opportunities and limited financial support in the form of research assistantships to qualified students seeking MS and/or PhD degrees — see the Graduate Guide (https://guide.wisc.edu/graduate/).

COLLEGE OF ENGINEERING

The University of Wisconsin–Madison College of Engineering is one of the best places in the world for an engineering education. Here, you'll be among some of the smartest, most innovative people anywhere. You'll learn directly from many of the world's best professors and teachers. Your classes will prepare you to be exceptional engineers. You'll actually do engineering, work in multi-disciplinary teams, and design and build solutions to real challenges people experience.

You'll gain the technological tools, resources and knowledge to develop solutions to problems in fields ranging from health to energy to materials to communication—and many more. You'll also have the resources (and the prestige of a Badger engineering education) to help you find a great job!

Beyond learning and doing engineering in the classroom and in the lab, you can broaden and customize your Badger engineering experience: Study abroad, join a student organization or two, volunteer, share the love of all things Badger engineering as a student ambassador, do real engineering at a company through an internship or co-operative work... and the list goes on. The possibilities are as limitless as your imagination! (Across the university, there also are countless ways to get involved in the campus community—from playing an instrument in the UW Marching Band to playing a leadership role in student government, there's something to interest everyone here.)

In a college internationally renowned for its research, you'll have abundant opportunities to contribute. As an undergraduate researcher, you can hone your own research skills alongside professors, graduate students and other undergrads. You may be able to propose and conduct your own research, and to publish and patent your results!

Importantly, you'll be a valued member of a strong, supportive community with lots of resources—and people—you can tap to help you succeed. In short, as a Badger engineer, you'll have the time of your life... while you prepare to make an impact on life as we know it.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Architecture, Certificate (p. 274)
- Biology in Engineering for Engineering Majors, Certificate (p. 258)
- Biomedical Engineering, BS (p. 260)
- Chemical Engineering, BS (p. 268)

- Civil Engineering, BS (p. 276)
- Computer Engineering, BS (p. 296)
- Electrical Engineering, BS (p. 303)
- Engineering Data Analytics, Certificate (p. 318)
- Engineering for Energy Sustainability, Certificate (p. 350)
- Engineering Mechanics, BS (p. 331)
- Engineering Physics, BS (p. 351)
- Engineering Thermal Energy Systems, Certificate (p. 341)
- Environmental Engineering, BS (p. 283)
- Geological Engineering, BS (p. 289)
- Industrial Engineering, BS (p. 319)
- International Engineering, Certificate (p. 312)
- Manufacturing Engineering, Certificate (p. 342)
- Materials Science and Engineering, BS (p. 326)
- Mechanical Engineering, BS (p. 344)
- Naval Science, BNS (p. 313)
- Nuclear Engineering Materials, Certificate (p. 357)
- Nuclear Engineering, BS (p. 358)
- Six Sigma, Certificate (p. 325)
- Technical Communication, Certificate (p. 315)

ENTERING THE COLLEGE

ENTERING THE COLLEGE

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

REGULATIONS

Official regulations regarding enrollment, scholarship, and graduation for undergraduates in the College of Engineering.

A printer-friendly PDF can be found on the College of Engineering Regulations page (https://engineering.wisc.edu/student-services/undergraduate-regulations/).

ADMISSIONS

1. Direct Admission

New students are admitted directly to the degree program (major) of their choice or to the College of Engineering as Engineering Undecided. Progression requirements must then be satisfied as described in Regulations 3–8.

2. Degree Programs (Majors)

Biomedical Engineering (BME)
Chemical Engineering (CHE)
Civil Engineering (CEE)
Computer Engineering (CMPE)
Electrical Engineering (EE)
Engineering Mechanics (EM)
Engineering Physics (EP)
Environmental Engineering (EnvE)
Geological Engineering (GLE)

Industrial Engineering (IE)
Materials Science and Engineering (MSE)
Mechanical Engineering (ME)
Nuclear Engineering (NE)

PROGRESSION

3. First Year Progression Requirements

To guarantee progression in a College of Engineering (CoE) degree program (major) after direct admission or to switch between engineering degree programs, students must complete the following requirements after their first two semesters of residency at UW-Madison. Students who do not meet the first year progression requirements to guarantee progression in a degree program (major) can be considered for progression (Regulation 4) or extension (Regulation 5).

Course and Credit Requirements:

A. 24 graded credits completed at UW-Madison. English as a Second Language course credits count toward the 24 credit minimum.

B. General Education Communications Part A (Comm A) course taken at UW-Madison. If Comm A is completed through placement test, test credit (AP/IB), or transfer credit, then a liberal studies course of at least 3 credits with a breadth designation of Humanities, Literature, or Social Sciences must be taken on a graded basis at UW-Madison.

C. Introduction to Engineering course specified by degree program; INTEREGR 170 Design Practicum is recommended for Engineering Undecided students.

D. Math course sequence through MATH 222 Calculus and Analytic Geometry 2.

E. Four Foundational Courses as defined in 3.E.1, 3.E.2, and 3.E.3 completed at UW-Madison:

1. Math Foundation: A minimum of two math courses numbered MATH 221 Calculus and Analytic Geometry 1 or above; one math course numbered 300 or above; or calculus sequence completed through MATH 234 Calculus--Functions of Several Variables. Excludes MATH 228 WES Calculus Supplement, MATH/HIST SCI 473 History of Mathematics, special topics, independent study, seminar, pass/fail, and credit/no credit courses.

2. Engineering Foundation: A minimum of two courses as defined below.

- For Chemical Engineering majors, the following engineering foundation requirements apply:

i. One course must be CHEM 104 General Chemistry II or higher
ii. One course must be PHYSICS 201 General Physics/E M A 201 Statics or higher

If (i) and (ii) are complete, select from additional engineering foundation courses below.

- For majors in Biomedical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Engineering Mechanics, Engineering Physics, Environmental Engineering, Geological Engineering, Industrial Engineering, Materials Science and Engineering, Mechanical Engineering, and Nuclear Engineering, the following engineering foundation requirements apply:

i. One course must be either CHEM 104 General Chemistry II or higher OR PHYSICS 201 General Physics/E M A 201 Statics or higher
ii. One other engineering foundation course, from the following subject codes:

- Chemistry
- E M A 201 Statics, E M A 202 Dynamics, E M A 303 Mechanics of Materials
- PHYSICS 201 General Physics and above
- Statistics, calculus-based
- COMP SCI 200 Programming I, COMP SCI 220 Data Science Programming I, COMP SCI 300 Programming II or above, excluding COMP SCI 304 Peer Collaboration in Computer Sciences (WES-CS)
- Excludes special topics, independent study, seminar, pass/fail, and credit/no credit courses

3. If the math and engineering foundational courses for the degree program are complete, then degree program engineering courses 200 level and above can be taken to complete the Four Foundational Courses requirement. Excludes EPD, InterEGR, special topics, independent student, seminar, pass/fail, and credit/no credit courses.

GPA Requirements:

F. To guarantee progression, Core and Overall GPA requirements must be satisfied as defined by CoE departments for each engineering degree program (major) https://intranet.engineering.wisc.edu/undergraduate-students/progression/. All graded UW-Madison courses referenced in 3.E.1. and 3.E.2. above and any departmental engineering courses level 200 or above will be counted in the Core GPA (excludes EPD, InterEGR, special topics, independent study, and seminar courses). All graded UW-Madison courses are counted in the Overall GPA. For one and only one of these core courses that a student has repeated, the more recent of the two grades will be used in the calculation of Core and Overall GPAs. Students are not eligible for guaranteed progression if they have earned a D or F in any course that counts towards the Core GPA without repeating it for a C or higher at UW-Madison, or have been on academic probation at any time.

4. Consideration for Progression

Students who do not meet progression GPAs but have at least a 2.500 Core GPA and meet all other progression requirements will be considered for progression in the selected degree program (major). The consideration process includes review of written statement(s), rigor of completed courses, and grade trends.

5. Extension for First Year Progression Requirements

Students who do not meet the requirements in Regulation 3 or Regulation 4 may be considered for a one semester extension but not beyond their fourth semester. Students granted this type of extension will be considered for progression in the selected degree program (major). The consideration process includes review of written statement(s), rigor of completed courses, and grade trends. Extensions will be evaluated only in cases where it is reasonable during the one semester extension to meet progression GPAs for an engineering program.

6. Placement Continuation for First Year Progression Requirements

Students who will not meet progression requirements due to University of Wisconsin placement and/or assessment tests (math and ESL) will be granted a one semester placement continuation up to their fourth semester if they are making satisfactory progress in a degree program (major). Students who receive a placement continuation and complete the requirements outlined in Regulation 3A-F over the summer term with UW-Madison coursework can be evaluated for guaranteed progression at the end of that summer term.

7. Program Capacity

When the number of applications for progression consideration for a degree program (major) exceeds the capacity of that program, progression will be limited to capacity. Selection of students under consideration for a program operating at capacity will be based on written statement(s), rigor of completed courses, and grade trends.

8. Progression Requirement Completion and Extension Application

Students must submit their request for progression for a degree program (major) or an extension to the Dean's office by the deadline. Deadlines will be posted on the College of Engineering website at https://intranet.engineering.wisc.edu/undergraduate-students/progression/ and emailed to students in the College of Engineering.

9. Consideration for Interdepartmental Transfer

Students who have previously met progression in a degree program (major) may apply to be considered for interdepartmental transfer to a different engineering program by posted deadlines. Interdepartmental transfer may be competitive and is not guaranteed. Selection is based on the academic record, written statement(s), and program capacity.

REGISTRATION

10. Definition

A. Full-time student: One carrying a minimum credit load of 12 credits. All students are expected to be full-time unless they have the permission of the Dean to be part-time. A student carrying less than the minimum credit load without the Dean's permission will be placed on part-time warning at the end of the semester.

B. Part-time student: One who has the Dean's permission to carry less than the minimum credit load (Regulation 11.E.).

C. Semester: A term of 15 weeks minimum duration.

D. Session: A term of less than 15 weeks duration (e.g., Summer Session or Intersession).

E. Modular Course: A course that is offered during a semester, but which lasts fewer than 15 weeks.

11. Credit Overload Constraints

A. Maximum credit load: 20 enrolled credits per semester. Undergraduate full-time range is 12 to 18 credits; see Bursar's Office website for tuition charges outside the full-time range.

B. Minimum credit load: 12 enrolled credits per semester, or one credit of College of Engineering cooperative education course during a co-op work period.

C. For sessions there is no minimum credit load; the maximum credit load equals the number of weeks in the session.

D. A student may carry more than a maximum credit load only with the recommendation of an advisor and with permission from the Dean.

E. A student who wishes to carry less than a minimum credit load in a specific semester for definitive reasons must request permission from the Dean to become a part-time student. Definitive reasons may include disability, health challenge, necessity of employment, other significant barriers to maintaining a full-time schedule. Part-time permissions must be renewed during the first two weeks of each semester part-time permission is requested.

F. A student on academic probation is advised to consult with their advisor regarding credit load and course selection.

12. Student Responsibility for Scheduling

Each student is responsible for developing a course plan and registering for courses that will (a) permit satisfactory progress towards degree requirements, (b) avoid class and final exam scheduling conflicts, and (c) avoid an excessively demanding final exam schedule.

13. Access to Courses

Departments may specify courses as open only to students in a specific degree program (major) or to students who have met progression requirements.

14. Transfer of Degree Applicable Credits

Credits from courses taken anywhere other than UW-Madison are only transferable to the College of Engineering if they are transferable to UW-Madison. Credits may count toward degree requirements only if the course was passed with a grade of C (2.0 on a 4.0 scale) or better.

15. Transfer of Grades

Grades for courses taken anywhere other than UW-Madison are not transferable, even if the credits for those courses are transferable.

16. Adding Courses

Students may add full-semester courses only through the first two weeks of classes. The deadline to add a course is specified on the Office of the Registrar's website (Regulation 21).

17. Dropping Courses

Students may drop full-semester courses during the first twelve weeks of classes. Courses dropped after the initial drop deadline are noted on the transcript as DR. The deadlines to drop a course are

specified on the Office of the Registrar's website (Regulations 21 and 24.G.).

18. Course Substitutions

A student may substitute courses that deviate from the requirements of a published curriculum of the College of Engineering upon the recommendation of the student's degree-granting department and with the approval of the college governance committee.

19. Credit/No Credit and Pass/Fail Courses

Credit/no credit describes courses approved for two-level grading. Courses designated as credit/no credit will not be counted in determining the number of pass/fail courses the student may elect.

Pass/fail is an alternative way of being graded in a regularly graded course. A student may change the grading option of a full-semester course to or from pass/fail only during the first four weeks of classes (Regulation 21). Courses graded on a pass/fail basis can only count as free electives. Only students in good standing may elect the pass/fail privilege.

The pass/fail agreement is between the student and the Registrar, and is not revealed to the course instructor. The instructor submits the appropriate letter grade to the Registrar, who converts C or higher grades to S (Satisfactory), D and F grades to U (Unsatisfactory).

20. Audited Courses

A student may audit a course only if the instructor consents. Auditors are expected to attend with a reasonable regularity and to participate in the class, as determined by the instructor. Audited courses carry no degree credit, do not count in determining the minimum number of credits permitted in each term, and are not included in the calculation of the GPA. The only valid grade for audited courses is a grade of S (Satisfactory) or NR (No Report). A student may change to or from credit to audit only during the first four weeks of classes (Regulation 21).

21. Deadlines for Semesters and Sessions

Deadlines for semesters, sessions and modular courses are listed on the Office of the Registrar's website.

PERFORMANCE AND EVALUATION

22. Attendance

Each student is expected to attend all assigned classes during the regular meeting times, and take all of the examinations for those courses at the regularly scheduled times. In the case of course or examination absences excused for a reason acceptable to the course instructor, the student is expected to make up the work within a reasonable time, and may do so without a grade penalty.

23. Grading System

Course grades are reported by letter only; plus and minus grades are not authorized. The following grades are included in computing grade point average (GPA) and point-credit ratio (PCR).

Grade: A (Excellent)
Grade Points Per Credit: 4.0

Grade: AB (Intermediate)
Grade Points Per Credit: 3.5

Grade: B (Good)
Grade Points Per Credit: 3.0

Grade: BC (Intermediate)
Grade Points Per Credit: 2.5

Grade: C (Fair)
Grade Points Per Credit: 2.0

Grade: D (Poor)
Grade Points Per Credit: 1.0

Grade: F (Failure)
Grade Points Per Credit: 0.0

24. Special Purpose Grades

The following ways of reporting course grades are also used and do not affect GPA or PCR:

A. S (Satisfactory) or U (Unsatisfactory) – used to report pass/fail courses (Regulation 19). S is also used in audited courses (Regulation 20).

B. CR (Credit) or N (No Credit) – used to report credit/no credit courses (Regulation 19).

C. NR (No Report) – signifying that no grade has been reported to the Registrar's Office – a temporary grade that must be replaced by an A-F grade; also used for a permanent grade in audited courses (Regulation 20).

D. NW (No Work) – student enrolls in a course and then never attends. This means that instructor has no evidence that student ever attended.

E. I (Incomplete) – a temporary grade; EI is used for an extended incomplete (requires a Dean's action); IN is used to indicate an incomplete in a credit/no credit course. (Regulations 29-31)

F. P (Progress) – a temporary grade used for courses extending beyond one term. The final grade determines the grade for each term and replaces P grades for the course.

G. DR (Dropped) – indicates the course was dropped after the initial drop deadline noted on the Office of the Registrar's website.

25. Course Grade Changes

The final course grade may be changed only by the instructor of record for the course section, and then only to correct a clerical error in the computation or reporting of the original grade.

26. Grade Point Average (GPA) and Point-Credit Ratio (PCR)

Grade Point Average (GPA) is computed by dividing the total number of grade points earned at UW-Madison by the total number of credits attempted (excluding pass/fail or credit/no credit courses) at UW-Madison. The Point-Credit Ratio (PCR) differs from the grade point average in that it involves only those credits that count toward graduation and the related grade points. When a course is repeated, the credits and grade points earned only for the final attempt are included in the point-credit ratio.

27. Dean's Honor List

At the end of each semester the names of all full-time students in good standing with a 3.5 or higher semester GPA and cumulative GPA of at least 3.0 and no incomplete or unreported grades will be included on the Dean's Honor List. Credit/no credit and pass/

fail courses are not considered in meeting the full-time standing requirement for the Dean's Honor List. Transcript will show a notation of "Dean's Honor List."

28. Repeating Courses

Any course may be repeated at the student's option. In the case of a required course in which the student earned a grade of D and which is a prerequisite to another required course, the student is strongly encouraged (or may be required by degree requirement) to repeat the course. For courses taken more than once, all grades count in the grade point computations, but only the last grade for the course is applied to the student's point-credit ratio.

29. Incomplete Grade

An incomplete may be reported for a student who, because of illness or other unusual and substantiated cause beyond the student's control, has been unable to complete the final examination or some limited amount of work. To be eligible, the student must be earning a passing grade and have a limited amount of work to complete by the end of the term.

30. Resolution of an Incomplete Grade

The student must initiate the request for a grade of incomplete with the instructor before the end of the term. The instructor and student must agree on the coursework to be completed and establish a plan for the student to submit the work. At the instructor's option, incomplete grades must be updated on the student record by the Friday of the eighth week of the following semester. If the incomplete grade is not changed to a final grade by the Friday of the eighth week, the incomplete grade will be changed (lapse) to a grade of F (or N for Credit/No Credit courses).

31. Extended Incomplete Grade

If an incomplete grade cannot be resolved by the deadline, the instructor may extend the time the student has to complete outstanding work by submitting a request to change the Incomplete grade (I) to a grade of Extended Incomplete (EI). The Extended Incomplete grade must be accompanied by a new deadline no later than the last day of instruction for that semester. If the Extended Incomplete grade is not changed to a final grade by the deadline, the grade will be changed (lapse) to a grade of F (or N for Credit/No Credit courses).

32. Final Exam Rescheduling

A student may be permitted to take an examination at other than the regularly scheduled time only with permission of the instructor. Permission will be granted only for illness or other unusual and substantiated cause beyond the student's control. (Regulation 12).

33. Withdrawal

Students may withdraw from the University after consulting with their advisor and with the approval of the Dean. The withdrawal date and a DR notation will be recorded for courses in progress if the student withdraws after the initial deadline to drop a course and before the withdrawal deadline (Regulations 21 and 24.G.). The deadline to withdraw is specified on the Office of the Registrar's website.

A Medical Withdrawal may be granted to students who experience a serious or unexpected physical or behavioral health condition; who may need to provide care to an immediate family member who is experiencing a serious or unexpected physical or behavioral health condition; or who have experienced the death of an immediate family member. Approval will be granted on a case-by-case basis.

Withdrawals (other than Medical Withdrawals) are not granted after the deadline to withdraw. Grades of Incomplete, if justified (Regulation 29), or F, N, or U will be recorded for students who leave the University during this time.

34. Year Classification

The year classification of a student is determined by the number of credits passed and the number of grade points earned, applicable to the student's degree, as indicated by the following tabulation:

Freshman

Numerical Classification of Year: 1
Minimum Credits Passed: 0
Minimum Grade Points Earned: 0

Sophomore

Numerical Classification of Year: 2
Minimum Credits Passed: 24
Minimum Grade Points Earned: 48

Junior

Numerical Classification of Year: 3
Minimum Credits Passed: 54
Minimum Grade Points Earned: 108

Senior

Numerical Classification of Year: 4
Minimum Credits Passed: 86
Minimum Grade Points Earned: 172

For the purpose of year classification only, pass/fail and credit/no credit courses and courses transferred from another campus are assumed to have earned 2.0 grade points per credit.

35. Good Standing

A student is in good academic standing unless on academic probation or dropped.

36. Part-time Warning

A student is placed on part-time warning when that student has, in the semester just completed, passed fewer than 12 credits without permission from the Dean.

37. Probation

A student is placed on academic probation when that student has, in the semester just completed, attained less than a 2.0 GPA. Once on probation, the student is continued on probation until either removed from probation or dropped (Regulations 38, 39).

38. Removal From Probation

The following requirements must be satisfied for the removal of a student from academic probation (Regulation 37):

A. A cumulative GPA of at least 2.0;

B. A GPA of at least 2.0 for the semester just completed.

39. Drop

A. A student on academic probation will be dropped at the end of any semester for which that student has attained a GPA of less than 2.0 or has passed fewer than half of the credits attempted (Regulation 37).

B. A student not on academic probation will be dropped at the end of any semester for which that student has passed fewer than half of the credits attempted.

40. Readmission from Dropped Status

A student who has been dropped for academic reasons may be readmitted by the Dean only after the student has been out of the College of Engineering for at least one semester. A student readmitted from dropped status is readmitted on academic probation.

41. Session Actions

No academic actions (part-time warning, probation, drop, removed from probation) will be taken at the end of sessions (Regulation 10.D.).

42. Graduation

It is the student's responsibility to ensure that graduation requirements have been met. All students should regularly consult their DARS (Degree Audit Reporting System) document in conjunction with their advisor to ensure that all the following graduation requirements have been met:

A. Have fulfilled the published graduation requirements of that curriculum, with all substitutions formally approved, and have achieved a minimum 2.0 GPA overall.

B. Have a PCR (Regulation 26) of at least 2.0 for those semesters and sessions containing the last 60 credits taken at UW-Madison or for all credits taken at UW-Madison if fewer than 60.

C. Have a departmental PCR of at least 2.0 for all courses taken in the degree-granting department that count toward graduation.

D. Have completed at least 30 credits in residence in the College of Engineering, including 15 credits of work in the degree-granting department. Students in the Engineering Physics BS program are not required to complete 15 credits in the degree-granting department.

E. Have completed the last two semesters in residence in the College of Engineering. Cannot be on co-op or study abroad in the last semester. Students may seek permission from the Dean to be on co-op or study abroad in their second to last semester.

F. Have completed the last semester in the College of Engineering enrolled in courses required for their engineering degree.

G. Have a GPA of at least 2.0, both for the last semester and also for the combined last two semesters.

43. Graduation with Distinction and Highest Distinction

Students who have earned at least 60 credits on the University of Wisconsin-Madison campus and whose total cumulative GPA is in the top 5 percent of the College graduating class will receive the designation "Graduated with Highest Distinction," or if in the next 15 percent, "Graduated with Distinction." The appropriate designation is entered as a permanent record on the student's transcript.

APPEAL

44. Appeal

The Dean of the College of Engineering has the authority to suspend or modify the operation of these regulations if their enforcement is judged to cause an injustice to the student.

POLICIES

ACCREDITATION

Biomedical Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Bioengineering and Biomedical and Similarly Named Engineering Programs.

Civil Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Civil and Similarly Named Engineering Programs.

Chemical Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Chemical, Biochemical, Biomolecular, and Similarly Named Engineering Programs.

Computer Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Electrical, Computer, Communication, Telecommunication(s), and Similarly Named Engineering Programs.

Electric Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Electrical, Computer, Communication, Telecommunication(s), and Similarly Named Engineering Programs.

Engineering Mechanics BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Engineering Mechanics and Similarly Named Engineering Programs.

Environmental Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Environmental and Similarly Named Engineering Programs.

Geological Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Geological and Similarly Named Engineering Programs.

Industrial Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Industrial and Similarly Named Engineering Programs.

Material Science and Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program

Criteria for Materials (1), Metallurgical (2), Ceramics (3), and Similarly Named Engineering Programs.

Mechanical Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Mechanical and Similarly Named Engineering Programs.

Nuclear Engineering BS is accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org) under the commission's General Criteria and Program Criteria for Nuclear, Radiological, and Similarly Named Engineering Programs.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree students (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

ADDITIONAL MAJOR

Engineering students may earn an additional major and have the additional major noted on their transcript at the time of graduation. This includes most majors in the College of Letters & Science as well as Health Promotion and Health Equity (HPHE), Education Studies, and Theatre & Drama in the School of Education; and Global Health in the College of Agricultural and Life Sciences. To qualify, the student must have approval in advance from both the department offering the major and the academic dean of the College of Engineering. Students must satisfy all requirements for their declared additional major prior to or concurrently with the engineering degree. For further details, contact the College of Engineering Dean's Office, 2640 Engineering Hall.

Adding additional majors from colleges other than the College of Letters & Science and majors not approved in the College of Agricultural & Life Sciences and the School of Education is not accepted. For example, majors such as art (School of Education) and forestry (College of Agricultural and Life Sciences) cannot be completed in conjunction with an engineering degree. Likewise, students cannot pursue more than one undergraduate engineering degree concurrently.

STUDENT GRIEVANCES

The College of Engineering Dean's Office – Academic Affairs serves as the primary point of contact for students who have complaints or concerns. Students are encouraged to attempt to resolve the issue directly with the individual involved as a first step. Consultation with the Dean's Office (engracademicdean@engr.wisc.edu, 2640 Engineering Hall, 608-262-3484) provides the opportunity to work with an assistant dean to address questions and/or concerns in any of the following areas:

- Navigating conflicts and challenging conversations with peers and/or faculty
- Aligning and/or managing expectations
- Understanding university, college, and department policies and procedures

Grievance Resolution Procedure

1. If you are comfortable doing so, attempt to resolve the issue directly with the individual involved.
2. If that approach is not feasible or provides unsatisfactory results, and the grievance involves a teaching assistant (TA), consult the professor in charge of the course.
3. If necessary, discuss the grievance with the appropriate department chair.
4. The next level involves the academic dean. Students should contact the Associate Dean for Academic Affairs, engracademicdean@engr.wisc.edu, 608-262-3484.
5. All students have the right to appeal to the Grainger Dean of the College of Engineering, engr-dean@engr.wisc.edu, 608-262-3482, if they feel their case has not been justly handled by another dean.
6. Only a few grievances are really serious and difficult to resolve. In these instances, the dean seeks a solution that, as best as can be determined, is appropriate, just, legal, and in the best interests of all concerned.

Authority Limits on Grades

There are areas in which the dean does not have authority to override an instructor, such as determination of a student's grade. However, it has happened that the department chair has intervened, for example, by having a grade determined by committee rather than by the course instructor.

Grievance Examples

Examples of academic grievances and complaints include, but are not limited to, grade disputes, disputes/concerns with faculty/instructor, and course concerns. The following is a sample list of student grievances that have occurred:

- Discrimination based on sex, religion, or political views
- Course or exam grade disputes
- Required class or examination attendance at other than regularly scheduled (timetable) times
- Changes in course content contrary to Guide course description
- Difficulty in obtaining space in a critical course
- Difficulty obtaining an appointment with instructor
- Unwillingness of instructor to provide graded feedback before the course drop deadline date
- Teaching above the level of the class, which includes the assumption of an unlisted course prerequisite
- Excessive instructor class absences
- Rescheduled final exams by majority approval or apparent unanimity, to possible disadvantage of the minority

Sexual Misconduct Resource and Response Program

The university is committed to creating and maintaining a campus community that is free from sexual harassment and sexual violence. The Sexual Misconduct Resource and Response Program (formerly called the Title IX Program) is overseen by the Title IX Coordinator. They receive reports of sexual harassment and sexual violence – including sexual assault, dating/domestic violence, stalking, and

sexual exploitation – and coordinate the University's response (https://compliance.wisc.edu/titleix/). Students are encouraged to review available resources and additional information on this site.

REQUIREMENTS

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

ENGINEERING CURRICULA

The graduation requirements for each of the engineering degrees are presented in the form of four-year programs of study. These four-year schedules are available, but rarely followed without deviation. Some students can proceed more rapidly; many must proceed more slowly and take nine or more semesters to complete the degree. Flexibility in course selection is also present though elective categories within curricula.

All engineering curricula are designed to meet all criteria for accreditation by the Engineering Accreditation Commission of ABET, www.abet.org (http://www.abet.org/). Among other criteria, ABET requires that students complete:

- A minimum of 30 semester credit hours (or equivalent) of a combination of college-level mathematics and basic sciences with experimental experience appropriate to the program.
- A minimum of 45 semester credit hours (or equivalent) of engineering topics appropriate to the program, consisting of engineering and computer sciences and engineering design, and utilizing modern engineering tools.
- A broad education component that complements the technical content of the curriculum and is consistent with the program educational objectives.
- A culminating major engineering design experience that 1) incorporates appropriate engineering standards and multiple constraints, and 2) is based on the knowledge and skills acquired in earlier course work.

Engineering curricula continuously evolve. The requirements that apply to a particular student are determined by the date (catalog year) that a student enters a degree-granting program. At that point, the curriculum becomes fixed throughout the period it takes for a student to complete the degree, although new changes that benefit a student can be adopted by a particular student if they choose.

The curricular descriptions below do not address how these requirements are satisfied; students seldom need to be concerned with these details. However, if deviations from a curriculum are requested, they must not violate any of the accreditation requirements.

DEVIATION FROM PRESCRIBED CURRICULA

Circumstances deemed acceptable for deviating from the outlined engineering curricula are included in each departmental description. The choice of courses to fulfill elective credit requirements provides students with considerable flexibility in their programs. In addition, some departments permit the substitution of elective courses for required ones and also offer outstanding undergraduate students the opportunity to enroll in graduate courses. These options aid the student in tailoring a course of study to meet personal goals more closely.

DEFINITION OF ELECTIVES

There are general types of elective courses including technical electives, liberal studies and free electives.

Technical electives are limited to courses in engineering and closely related fields.

Liberal studies electives are those courses that are classified as either humanities, literature, social studies or as foreign language.

Free electives are courses completely free of any restrictions or requirements other than the course prerequisites.

Other specific elective requirements are established and described in department curricula.

To assist the student in gaining a better understanding of individuals and societies, and to reduce problems of transferring from one curriculum to another, engineering curricula require adherence to the Liberal Studies Guidelines (see below). Some require slight variations from those guidelines.

INDEPENDENT STUDY

Students who have high grade point averages may satisfy some elective credits by independent study of subjects or problems suitable for analytical investigative work. The student must identify a professor who is willing to supervise study of interest to the student. Together they must agree upon the work to be done, the credits earned (usually 1-3), and the course number (199, 299, 399, 499, 599, or 699) for which the student is to enroll before the beginning of a semester. Weekly meetings with the professor to discuss questions and report progress are customary.

LIBERAL STUDIES GUIDELINES

The College of Engineering requires one semester's worth of liberal elective courses in humanities, literature and social science for graduation.

The college specifies that students should obtain both **breadth** (i.e., both social science *and* literature or humanities), and **depth** (i.e., more than one course in the same subject area).

The college has established general liberal elective guidelines that have been adopted by all departments, some of which have additional stipulations (see below).

FOR ALL ENGINEERING STUDENTS

As a graduation requirement, and to fulfill campus general education guidelines, all engineering undergraduate students must take 15 or 16 credits of liberal electives. These credits must fulfill the following subrequirements.

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectarea/) (the description before the course number). At least one of these two courses must be above the elementary level (i.e., must have I or A level designator), as indicated in Guide (https://guide.wisc.edu/courses/).
2. A minimum of 6 credits designated as humanities or literature, and an additional minimum of 3 credits designated as social science. Foreign language courses count as humanities credits.[1]
3. At least one course of at least 3 credits designated as ethnic studies (lower case "e" in the Course Guide). These credits may help satisfy subrequirements 1 or 2 as well, but they count only once toward the total required credits.

[1] **Exception:** "Retrocredits," which are credits awarded by world language departments for successful completion of a higher level course, do not count toward this subrequirement, nor toward the total credits required (15 or 16). They are still helpful: If a student completes one foreign language course at the intermediate level and is awarded retrocredits, then subrequirement 1 above is satisfied because the student is judged to have achieved "depth" in liberal studies.

ADDITIONAL RESTRICTIONS/ SUBREQUIREMENTS FOR SPECIFIC DEPARTMENTS

Civil Engineering: An economics course (from an approved list) and an environmental studies course (with approved characteristics) are required.

Environmental Engineering: An economics course (from an approved list) and an environmental studies course (with approved characteristics) are required.

Industrial Engineering: ECON 101 Principles of Microeconomics or ECON 111 Principles of Economics-Accelerated Treatment is required.

RESOURCES

RESOURCES

Engineering students are part of the engineering community, succeed academically, get involved and connected, develop their careers, take care of their physical and mental wellness, and more. The College of Engineering offers services specifically for engineering students, in addition to the services offered campus-wide.

ACADEMIC ADVISING

Every College of Engineering undergraduate student is assigned an academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) who is there to support and coach them throughout their college experience, from their transition to campus all the way to graduation.

Advisors guide students through the structured engineering curricula, helping them select courses each semester and stay on track with their academic plan.

Whether students are facing personal or academic challenges, or setting short- and long-term academic goals, their academic advisor is the best place to start. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students connect with these opportunities. Advisors also help reduce barriers to accessing campus resources, empowering students to pursue their goals and make the most of their college experience.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu/) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment. ECS also provides programs designed to help students develop career skills, build engineering experiences, and explore majors and career paths with an engineering degree.

ECS offers two large career fairs per year, assists students with resume building, developing networking and interviewing skills, and negotiation offers. Advisors meet one-on-one with students in addition to supporting group-learning through workshops.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit https://ecs.wisc.edu (https://ecs.wisc.edu/).

ENGINEERING STUDENT CENTER

The Engineering Student Center promotes student engagement and enriches the engineering student experience by fostering a culture of belonging and helping students make meaningful connections within the campus community. The Student Center is a resource hub and offers a welcoming space where engineering students can study, reflect, connect with peers, and engage with people from all backgrounds.

The Student Center offers academic and social programs, and cultivates a campus environment that is supportive of every student. The Student Center hosts a monthly engineering student community meeting that provides opportunities for mentorship, and activities designed to enhance your academic, personal, and professional success.

The Student Center is home to engineering student organizations, two undergraduate scholarship programs, and our first-year engagement program, BE Engaged.

Student Organizations

Outside the classroom, there are endless ways to get involved on a big campus like UW–Madison. Getting involved in a student

organization is a great way to explore different majors and careers, meet other students and find community, serve others, develop your leadership skills, and to learn by doing. UW–Madison has more than 1,000 student organizations and 60 of these are engineering specific. Organizations range from major-related groups to identity-based clubs to competition teams. Learn more here: https://engineering.wisc.edu/student-life/student-organizations/.

BE (Badger Engineers) Engaged

Classes, homework, and studying are just the beginning of what you'll need to have a great experience as a Badger Engineer. As a student, getting involved, connected, and engaged are as important to your university experience as your courses. Here in the College of Engineering, you have access to a wide variety of groups, opportunities, organizations and services that will help you build a foundation for your success as a student.

With so many ways to get involved, it can be overwhelming to know where to start. The BE Engaged program is designed to help you navigate the many opportunities available in the College of Engineering. BE Engaged not only highlights key involvement opportunities but also offers signature events and activities specifically for first-year students, providing ways to build connections beyond the classroom.

UNDERGRADUATE LEARNING CENTER

The Undergraduate Learning Center (https://engineering.wisc.edu/student-services/undergraduate-learning-center/) (ULC) provides tutoring and academic support programs for engineering undergraduates. It is a place where students can study, form study groups, and discuss engineering concepts and problem-solving strategies – not only with tutors but with other engineering students. The ULC provides services that are designed to fit how each student studies best.

Drop-In-Tutoring Sessions

Drop-in tutoring sessions are offered for over 60 courses in mathematics, chemistry, physics, statistics, computer sciences, and engineering. The sessions provide help with homework problems, concept review, and exam preparation. Drop-in tutoring sessions are offered each evening from Sunday to Thursday during most weeks in the fall and spring semesters.

PrEPS (Practicing Engineering Problem Solving) Labs

PrEPS is an academic support program that helps students succeed in challenging foundational courses, including statics, dynamics, physics, calculus and general chemistry. The twice-per-week PrEPS labs are led by undergraduate students who have excelled in these courses. Students work in small groups with their PrEPS facilitator, who guides the sessions helping students practice strategies for improving their problem-solving skills and mastering concepts covered in lectures. PrEPS helps facilitate student learning by working through course material in a low-stakes setting and provides the opportunity to complete problems similar to those in homework sets and on exams..

Tutoring by Request

Tutoring by Request (TBR) offers one-on-one tutoring for students in critical need including transfer students, returning adult students, those with McBurney support or other barriers to learning in a traditional setting.

Badger Engineering Start (BEST) Program

BEST is an early-start summer program to help first-year engineering students who place into precalculus. The program provides a space for students to develop a community of learners, get to know campus, learn about campus resources, and review foundational math concepts. At the end of the early start part of the program student retake the math placement test. Regardless of their placement the BEST students receive ongoing academic and community support throughout their first year.

Find more ULC programs here: https://engineering.wisc.edu/student-services/undergraduate-learning-center/

ENGINEERING WELLNESS

The College of Engineering partners with University Health Services to offer targeted mental health and wellness resources to engineering students. The College has an embedded mental health provider just for engineering students. This person hosts drop-in counseling consultations, connects students to other resources as needed, and provides information about opportunities and resources that benefit engineering students and their well-being.

University Health Services' mental health (https://www.uhs.wisc.edu/mental-health/) providers understand the complexities of student life and offer an open, safe, and confidential environment to help students through issues that may interfere with their development, well-being, and academic productivity.

UHS's no-cost mental health services include individual, couple/partner, group counseling, outreach programming, and stress management. They also offer 24/7 crisis services at 608-265-5600 (option 9). Psychiatry services are also available for medication management.

University Health Services/Mental Health Services
333 East Campus Mall
Madison, WI 53715-1384
608-265-5600

ENGINEERING SCHOLARSHIPS

The College of Engineering recognizes the accomplishments of incoming and enrolled students by supporting their education through a variety of scholarships at the college and departmental level. Each year the College of Engineering awards over $2 million in scholarships.

Incoming Freshman Awards:

Selection for an Engineering Freshman Award is based on students' UW admissions application materials; no additional application is required. Students are strongly encouraged to submit a Free Application for Federal Student Aid (FAFSA®), but it is not required. After applying to UW–Madison, applicants are also encouraged to visit the Wisconsin Scholarship Hub (https://wisc.academicworks.com/) (WiSH), which is a full-service database that houses many other scholarship opportunities on campus.

Continuing Student Awards:

Each spring, continuing undergraduate students in the College of Engineering are eligible to apply for college-wide and departmental scholarships. The application period is usually mid-February through mid-April. Typically, students must have progressed in their major by the time of the scholarship disbursement. Students can apply by visiting the Wisconsin Scholarship Hub (https://wisc.academicworks.com/) (WiSH).

Off-campus Transfer Awards:

Transfer students admitted to UW–Madison and the College of Engineering in the fall or spring semester will be considered for several Transfer Student Scholarships based on students' UW admissions application materials; no additional application is required. Students are strongly encouraged to submit a Free Application for Federal Student Aid (FAFSA®) to UW–Madison but it is not required.

Find more about College of Engineering scholarships here: https://engineering.wisc.edu/admissions/scholarships/.

STUDY ABROAD

Studying abroad is an exciting way for students to complement and enhance their on-campus learning while earning meaningful credit toward their major and degree requirements. In today's global world, it is also one of the best ways students can acquire global skills, stand out to potential employers, and be more competitive candidates as they enter the job market or seek to further their education.

Engineering students can choose from over 300 UW–Madison study abroad programs, including more than 50 that offer engineering courses. The Major Advising Pages (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/) are a helpful resource for planning one's time abroad and choosing a program.

For more information about studying abroad including program information, scholarship opportunities, planning, advising and more, please visit: https://studyabroad.wisc.edu/.

COMPUTER-AIDED ENGINEERING CENTER

Computer-Aided Engineering (http://cae.wisc.edu/) (CAE) provides computing resources, facilities, and services for students, faculty, and staff in the college. The broad range of services and resources include:

- Windows and Linux computer classrooms;
- Open labs which have Windows and Linux workstations;
- Industry-standard engineering software;
- Software and services available on students' personal computers;
- Reliable file storage for coursework; and
- Help-desk services.

For more information, see the CAE website: http://cae.wisc.edu (http://www.cae.wisc.edu/).

HONORS

HONORS

In general, the concept of academic honors programs in higher education focuses resources on especially able students who are interested in challenging themselves at unusually high levels. This concept does not translate to the College of Engineering programs. All engineering classes are challenging, focused, and require high academic ability in math and science. Further, in engineering, resources must be used to make sure all engineering graduates - not just a few - excel in every respect. Nonetheless, honors opportunities are available on a limited basis in the College of Engineering.

Engineering Honors in Research

Select students in certain degree-granting programs may pursue the Honors in Research distinction. It requires completion of a certain number of semesters of faculty-guided independent study work and completion of a written thesis. Honors in Research programs have been developed for majors in biomedical engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, engineering mechanics, environmental engineering, geological engineering, industrial engineering, materials science and engineering, mechanical engineering, and nuclear engineering. Interested students should contact their department for more information.

Engineering Honors in the Liberal Arts (EHLA)

EHLA allows for a small group of highly motivated students who have special, broad interests in liberal arts to take challenging courses in physical science, natural science, humanities, foreign language, and social science to supplement their engineering program. The EHLA program will allow students access to honors sections in these College of Letters & Science courses. Honors courses in physical and natural science are available to invited engineering freshmen whether or not they are selected for EHLA. Conversely, no engineering courses are available as honors courses. Admission to EHLA is based on applications from high school students submitted before May 23 of their last year in high school. Fewer than 30 students are admitted each year. Interested students can find the application on the College of Engineering website (https://docs.google.com/forms/d/e/1FAIpQLSfgNM66tru6Y69xxCmjN5ea34avL0Ogc73t8crCdQoSoLW3gw/viewform/) and should contact Dr. Andrew Greenberg at greenberg2@wisc.edu (https://guide.wisc.edu/undergraduate/engineering/greenberg2@wisc.edu) with questions.

The EHLA designation will be awarded to those admitted to the EHLA program who meet the following requirements when they graduate with an engineering degree:

- A cumulative grade point average of at least 3.3 in all honors courses through the semester in which all criteria for EHLA are met;
- Completion of at least 24 credits in Honors courses with grades of B or better;
- Completion of Honors courses: 6 credits in humanities, 6 credits in social sciences, and 6 credits in natural sciences;
- Completion of at least 15 Honors credits in courses with the designation "H" or "!" (honors sections).

Because the classes for which Honors designation is available are taken mainly in the first year, students do not apply to the EHLA program once they begin in the College of Engineering. Students can, however, transfer from the College of Letters & Science Honors in Liberal Arts program into the EHLA program provided they transfer into an engineering program in their first two years.

BIOMEDICAL ENGINEERING

Biomedical engineering (BME) is the application of engineering tools for solving problems in biology and medicine. BMEs apply their multidisciplinary expertise to problems such as designing new medical instruments and devices, understanding and repairing the human body, and applying resourceful and cross-disciplinary approaches to age-old problems in the fields of medicine, biology, and beyond. A biomedical engineer can expect to work in a wide variety of multidisciplinary teams with professionals such as physicians, biologists, researchers, nurses,

therapists, mathematicians, administrators, and many others while working in industry, as entrepreneurs, in the medical profession, and in academia.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Biology in Engineering for Engineering Majors, Certificate (p. 258)
- Biomedical Engineering, BS (p. 260)

BIOLOGY IN ENGINEERING FOR ENGINEERING MAJORS, CERTIFICATE

The biology in engineering certificate (BEC) is designed for engineering students who want to strengthen their biology backgrounds. It is offered especially to encourage engineering students in traditional disciplines to prepare themselves to understand the special engineering problems in biology, medicine, public health, and environmental health. A student successfully fulfilling the requirements will have the notation "Certificate for Biology in Engineering for Engineering Majors" added to the transcript.

HOW TO GET IN

HOW TO GET IN

The Certificate for Biology in Engineering for Engineering Majors was designed and is administered by a Biology in Engineering Certificate Committee composed of faculty from multiple engineering disciplines. Students normally should begin the program during their sophomore or junior year, but seniors may also apply.

Prerequisites to enter the certificate program:

- Prior admission to an engineering BS degree program (http://guide.wisc.edu/undergraduate/engineering/#degreesmajorscertificatestext) or Biological Systems Engineering (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/biological-systems-engineering/biological-systems-engineering-bs/) through the College of Agricultural and Life Sciences (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/) at the UW-Madison.
- Students pursuing an undergraduate degree at UW-Madison need to have completed at least one intermediate-level (minimum 200-level) engineering course.

Click here (https://go.wisc.edu/bme-bec-application/) for certificate application.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of 15 credits.

GENERAL BIOLOGY: 5 CREDITS

Choose one from one of the following options.

Code	Title	Credits
BIOCORE 381 & BIOCORE 382	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory	5
BIOCORE 383 & BIOCORE 384	Cellular Biology and Cellular Biology Laboratory	5
MICROBIO 101 & MICROBIO 102	General Microbiology and General Microbiology Laboratory	5
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	5
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	5
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	5
ZOOLOGY 153 & BIOLOGY/ ZOOLOGY 102	Introductory Biology and Animal Biology Laboratory	5
ZOOLOGY 153 AND choose 2 additional credits from the advanced biology course list below		5

ADVANCED BIOLOGY: 5 CREDITS MINIMUM

Recommended to choose a lecture/lab combination as outlined below, but any combination of courses is acceptable.

Code	Title	Credits
ANAT&PHY 335	Physiology	5
ANAT&PHY 435	Fundamentals of Human Physiology	5
BIOCORE 485 & BIOCORE 486	Principles of Physiology and Principles of Physiology Laboratory	5
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM 551	Biochemical Methods	4
BIOCORE 587	Biological Interactions	3
GENETICS 466 & GENETICS 545	Principles of Genetics and Genetics Laboratory	5
GENETICS/ MD GENET 662	Cancer Genetics	3
MICROBIO 303 & MICROBIO 304	Biology of Microorganisms and Biology of Microorganisms Laboratory	5
MICROBIO/ FOOD SCI 324 & MICROBIO/ FOOD SCI 325	Food Microbiology Laboratory and Food Microbiology	5
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3

M M & I/PATH-BIO 528	Immunology	3
M M & I/ BIOCHEM 575	Biology of Viruses	2
ZOOLOGY/ ENVIR ST 315 & ZOOLOGY 316	Limnology-Conservation of Aquatic Resources and Laboratory for Limnology-Conservation of Aquatic Resources	4-5
ZOOLOGY/ENTOM/ M M & I/PATH-BIO 350	Parasitology	3
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 470 & ZOOLOGY 555	Introduction to Animal Development and Laboratory in Developmental Biology	6
ZOOLOGY/ ENVIR ST 510 & ZOOLOGY/ ENVIR ST 511	Ecology of Fishes and Ecology of Fishes Lab	5
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 611 & ZOOLOGY 612	Comparative and Evolutionary Physiology and Comparative Physiology Laboratory	5

BIOLOGY IN ENGINEERING: 3 CREDITS MINIMUM

Choose from the following courses:

Code	Title	Credits
B M E/M E 414	Orthopaedic Biomechanics - Design of Orthopaedic Implants	3
B M E/M E 415	Biomechanics of Human Movement	3
B M E/PHM SCI 430	Biological Interactions with Materials	3
B M E/E C E 462	Medical Instrumentation	3
B M E/E C E 463	Computers in Medicine	3
B M E/M E 505	Biofluidics	3
B M E 510	Introduction to Tissue Engineering	3
B M E/M E 516	Finite Elements for Biological and Other Soft Materials	3
B M E 520	Stem Cell Bioengineering	3
B M E 545	Engineering Extracellular Matrices	3
B M E 550	Introduction to Biological and Medical Microsystems	3
B M E/M E 615	Tissue Mechanics	3
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3
BSE 249	Engineering Principles for Biological Systems	3
BSE 349	Quantitative Techniques for Biological Systems	3
BSE 364	Engineering Properties of Food and Biological Materials	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
CBE/B M E 560	Biochemical Engineering	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 322	Environmental Engineering Processes	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
COMP SCI/ B M I 576	Introduction to Bioinformatics	3
E C E 542	Introduction to Microelectromechanical Systems	3
I SY E/B M E 564	Occupational Ergonomics and Biomechanics	3
M S & E 553	Nanomaterials & Nanotechnology	3

SEMINAR: 1 CREDIT

Code	Title	Credits
B M E 517	Biology in Engineering Seminar	1

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop an understanding of basic biology and a selected area of advanced biology.
2. Develop an understanding of the challenges in biology, medicine, public health, and environmental health that are currently being addressed by engineering research and development.
3. Demonstrate proficiency in the application of engineering principles to solve problems in the field based on biological principles.

ADVISING AND CAREERS

ADVISING AND CAREERS

(Contact the advisor from your home department or the Chair)

CHAIR AND CERTIFICATE ADMINISTRATION - BIOMEDICAL ENGINEERING

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BIOLOGICAL SYSTEMS ENGINEERING

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CHEMICAL AND BIOLOGICAL ENGINEERING

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CIVIL AND ENVIRONMENTAL ENGINEERING

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INDUSTRIAL AND SYSTEMS ENGINEERING

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MATERIALS SCIENCE AND ENGINEERING

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MECHANICAL ENGINEERING

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NUCLEAR ENGINEERING AND ENGINEERING PHYSICS

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BIOMEDICAL ENGINEERING, BS

Biomedical engineering (BME) is the application of engineering tools for solving problems in biology and medicine. BMEs apply their multidisciplinary expertise to problems such as designing new medical instruments and devices, understanding and repairing the human body, and applying resourceful and cross-disciplinary approaches to age-old problems in the fields of medicine, biology, and beyond. A biomedical engineer can expect to work in a wide variety of multidisciplinary teams with professionals such as physicians, biologists, researchers, nurses, therapists, mathematicians, administrators, and many others while working in industry, as entrepreneurs, in the medical profession, and in academia.

To prepare students for such careers, the 128-credit, four-year BME undergraduate degree emphasizes engineering design; access to cooperatives/internships at local or national medical device manufacturers, hospitals, or laboratories; continuous advising; flexibility in engineering specialization areas; participation in program evaluation and improvement; study-abroad opportunities; and an option to complete a one-year MS degree following the undergraduate program.

The backbone of the BME program is its unique, seven-semester design curriculum. Students take an advising/design project course in their first year and every semester their fourth year (with options to work in industry and/or focus on pre-health requirements). A faculty member advises small teams of students, serving as advisor/consultant/mentor, to guide them through real-world design projects solicited from clients throughout the university, medical profession, industry, and the community. These clients serve as resources for students in their projects, conduct discussions, and expose the students to various aspects of the BME field. Over the course of each semester, teams design, fabricate, and ultimately present a product that meets the needs of the client. This novel approach gives students an exceptionally balanced education by incorporating clinical and biomedical industry experience, thus expanding their network. Overall, the design experiences highlight the very multidisciplinary nature of BME.

Within the program, BME students choose a course of study that emphasizes one of the following four specializations within the field:

1. Bioinstrumentation and medical devices is the application of electronics, measurement principles, and techniques to develop devices used in diagnosis and treatment of disease. Examples include the electrocardiogram, brain–computer interface, implantable electrodes, sensors, tumor ablation, and other medical devices. Neuroengineering, a subfield, involves using engineering technology to study the function of neural systems and the development of implantable technology for neuroprosthetic and rehabilitation applications.
2. Biomedical imaging and optics involves the design and enhancement of systems for noninvasive anatomical, cellular, and molecular imaging. In addition to common imaging techniques such as magnetic resonance imaging (MRI), computed tomography (CT), and positron emission tomography (PET), biomedical imaging includes topics such as biophotonics, optics, and multimode imaging, and is now expanding to serve functional and therapeutic purposes as well. Advanced capabilities result when fundamentals of engineering, physics, and computer science are applied in conjunction with the expertise of clinical collaborators.
3. Biomechanics applies engineering mechanics for understanding biological processes and for solving medical problems at systemic, organ, tissue, cellular, and molecular levels. This includes the mechanics of connective tissues (ligament tendon, cartilage, and bone) as well as orthopedic devices (fracture fixation hardware and joint prostheses), vascular remodeling, muscle mechanics with injury and healing, human motor control, neuromuscular adaptation (with age, injury, and disease), microfluidics for cellular applications, cellular motility and adhesion, and rehabilitation engineering.
4. Biomaterials, cellular and tissue engineering involves the characterization and use of structural materials, derived from synthetic or natural sources, to design medical products that safely interact with tissues for therapeutic or diagnostic purposes such as artificial blood

vessels, heart valves, orthopedic joints, and drug delivery vehicles. Tissue engineers understand structure–function relationships in normal and pathological tissues to engineer living tissues and/or biological substitutes to restore, maintain, or improve function. At the cellular and molecular level this includes the study or manipulation of biological processes such as the cell's differentiation, proliferation, growth, migration, apoptosis, and can involve genetic and stem cell engineering.

Although the various disciplines within BME can be separately defined, solving a biomedical program requires an overall understanding of the field. For example, the design of an artificial hip requires an understanding of the forces and biomechanics of human movement as well as the mechanical and material properties of the prosthetic device. The material choice and topography play a critical role in cellular and tissue integration, which ultimately leads to long-term stability of the implant. In addition, biomedical imaging techniques are required to characterize the morphology of the diseased hip and the success of the procedure. Finally, instrumentation devices are utilized during the hip replacement surgery.

Students choose the biomedical engineering field to be of service to people; for the excitement of working with living systems; and to apply advanced technology to the complex problems of medical care. Students in the BME program can expect to develop skills in innovative thinking, critical analysis of ethics, project management, and technical writing, all in an environment that cultivates creativity, teamwork, and curiosity. With many possible focuses within the major, BME students have the opportunity to explore and cultivate their interests in specific topics while applying the concepts of engineering to medical applications, hands-on projects, and cutting-edge research.

Students successfully completing the BS degree in BME with an overall GPA of 3.0 or a GPA of 3.25 for the last 60 credits of the BS program are eligible to apply for the one-year MS degree.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics		19
Science		32
General Education		21
Free Electives		4
Engineering Courses:		
Introduction to Engineering		3
Engineering Mechanics Core Courses		6
Biomedical Engineering Core Courses		23
Biomedical Engineering Area Technical Electives AND Advanced Biomedical Engineering Technical Elective		18
Engineering Technical Elective		2
Total Credits		**128**

MATHEMATICS

Code	Title	Credits
MATH 221 & MATH 222 & MATH 234	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2 and Calculus--Functions of Several Variables	13
MATH 320	Linear Algebra and Differential Equations	3
or MATH 319	Techniques in Ordinary Differential Equations	
B M E 325	Applied Statistics for Biomedical Engineers	3
or STAT 324	Introduction to Statistics for Science and Engineering	
or STAT/ MATH 431	Introduction to the Theory of Probability	
Total Credits		**19**

SCIENCE

Code	Title	Credits
COMP SCI 220	Data Science Programming I	3-4
or COMP SCI 200	Programming I	
or COMP SCI 300	Programming II	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
General Chemistry - select one option:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 343	Organic Chemistry I	3
Biology - select one option:		5-6
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	
Human Physiology/Systems Biology - select one option:		5
ANAT&PHY 335	Physiology	
BIOCORE 485 & BIOCORE 486	Principles of Physiology and Principles of Physiology Laboratory	
Advanced Biology/Life Science elective - select one option:		3
ANAT&PHY 337	Human Anatomy	
BIOCORE 587	Biological Interactions	
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507	General Biochemistry I	
BIOCHEM 508	General Biochemistry II	
BIOCHEM/ M M & I 575	Biology of Viruses	
GENETICS 466	Principles of Genetics	
ZOOLOGY 470	Introduction to Animal Development	
ZOOLOGY/ PSYCH 523	Neurobiology	
ZOOLOGY 570	Cell Biology	
Science Elective - select one option:		3
ANAT&PHY 337	Human Anatomy	
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507	General Biochemistry I	
BIOCHEM 508	General Biochemistry II	
BIOCHEM/ M M & I 575	Biology of Viruses	
CHEM 327	Fundamentals of Analytical Science	
CHEM 329	Fundamentals of Analytical Science	
CHEM 345	Organic Chemistry II	
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	
CRB 650	Molecular and Cellular Organogenesis	
CRB/B M E 670	Biology of Heart Disease and Regeneration	
COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	
COMP SCI 400	Programming III	
GENETICS 466	Principles of Genetics	
GENETICS 467	General Genetics 1	

GENETICS 468	General Genetics 2	
GENETICS 520	Neurogenetics	
KINES 531	Neural Control of Movement	
MICROBIO 101	General Microbiology	
MICROBIO 303	Biology of Microorganisms	
M M & I 341	Immunology	
M M & I/PATH-BIO 528	Immunology	
ZOOLOGY 470	Introduction to Animal Development	
ZOOLOGY/ PSYCH 523	Neurobiology	
ZOOLOGY 570	Cell Biology	
Total Credits		**32-38**

GENERAL EDUCATION

Code	Title	Credits
Communications A		
Complete one of the following courses:		3
LSC 100	Science and Storytelling	
or COM ARTS 100	Introduction to Speech Composition	
or ENGL 100	Introduction to College Composition	
or ESL 118	Academic Writing II	
Communications B		
Complete one of the following courses:		3
B M E 301	Biomedical Engineering Design and Communication (if taken Fall 2023 or later)	
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	
BIOCORE 384	Cellular Biology Laboratory	
At least 15 credits of liberal studies following the College of Engineering guidelines (p. 254)		15
Total Credits		**21**

ENGINEERING COURSES

Code	Title	Credits
Introduction to Engineering		
INTEREGR 170	Design Practicum [1]	3
Engineering Mechanics Core Courses		
E M A 201	Statics [2]	3
or PHYSICS 201	General Physics	
or PHYSICS 207	General Physics	
E M A 303	Mechanics of Materials	3
B M E Core Courses		
B M E 200	Biomedical Engineering Design	2
B M E 201	Biomedical Engineering Design and Fundamentals	3
B M E 300	Biomedical Engineering Design and Leadership	3
B M E 310	Bioinstrumentation	3
B M E 315	Biomechanics	3
B M E 400	Capstone Design Course in Biomedical Engineering	3
B M E 402	Biomedical Engineering Capstone Design II	3
B M E/PHM SCI 430	Biological Interactions with Materials	3
Biomedical Engineering Area Technical Electives (see below) AND		
One Advanced B M E Technical Elective from any area (see complete list below)		*18*
Engineering Technical Elective: Any engineering course(s) from a degree-granting engineering program [3]		*2*
Total Credits		**52**

1 Students transferring from other engineering majors may count their previous program's introduction to engineering course(s) here (CBE 150 Introduction to Chemical Engineering, E C E 210 Introductory Experience in Electrical Engineering, E C E/COMP SCI 252 Introduction to Computer Engineering, E M A 200 Introduction to Mechanics and Aerospace, G L E 171 Introduction to Geological Engineering, INTEREGR 170 Design Practicum, I SY E 191 The Practice of Industrial Engineering, M E 201 Introduction to Mechanical Engineering, M S & E 260 Materials Experience, and NAV SCI 301 Naval Engineering).

2 It is highly recommended that students take E M A 201 Statics instead of PHYSICS 201 General Physics. E M A 201 Statics is a requisite for E M A 303 Mechanics of Materials and thus taking PHYSICS 201/PHYSICS 207 General Physics alone is not recommended.

3 The number of credits in this area can range from 2 or more such that at least 2 credits are met here and 48 engineering credits are met overall. This number of credits depends on how students decide to fulfill various requirements when they enter or progress into program, and if they study abroad. Examples that may add additional credits include (and are not limited to): Taking PHYSICS 201 General Physics instead of E M A 201 Statics may add 3 credits. Transfer students are not required to take INTEREGR 170 Design Practicum, which may add 3 credits. Students who study abroad may miss a design course which may add credit. Regardless of the choices made, all students must have at minimum 48 credits of engineering courses from degree-granting programs.

- InterEGR courses are not included in this category except INTEREGR 170 Design Practicum.
- Only 3 credits of an engineering independent study may count (e.g., B M E 399 Independent Study, B M E 489 Honors in Research , CBE 699 Advanced Independent Studies, etc.) toward the 48 engineering credit count.
- Special topics courses must have prior approval of the B M E Curriculum Committee.

BIOMEDICAL ENGINEERING AREA TECHNICAL ELECTIVE REQUIREMENTS

- Choose area technical electives from one of the following areas below and at least one advanced B M E elective from any area as shown in the complete list below for a total of 18 credits.
- Introduction to engineering courses (CBE 150, E C E 210, E C E/ COMP SCI 252, E M A 200, G L E 171, INTEREGR 170, I SY E 191, M E 201, M S & E 260, and NAV SCI 301), seminar courses, and research credits cannot count in these areas. Special topics courses must have prior approval of the BME Curriculum Committee. All courses must be numbered 200 or higher.

Bioinstrumentation and Medical Devices:

Code	Title	Credits
Required Area Elective		
E C E 230	Circuit Analysis	4
Area Electives in Bioinstrumentation		**11**
Choose from any ECE course, the courses below, and from the advanced BME electives in this area		
M E 445	Mechatronics in Control & Product Realization	3
Advanced B M E Area Technical Electives in Bioinstrumentation and Medical Devices		
B M E/E C E 462	Medical Instrumentation	3
B M E/E C E 463	Computers in Medicine	3
B M E/ MED PHYS 535	Introduction to Energy-Tissue Interactions	3
B M E 550	Introduction to Biological and Medical Microsystems	3
B M E 556	Systems Biology: Mammalian Signaling Networks	3
B M E 603	Special Topics in Bioinstrumentation and Medical Devices	1-3
B M E 640	Medical Devices Ecosystem: The Path to Product	3

Biomedical Imaging and Optics:

Code	Title	Credits
Required Area Elective		
E C E 330	Signals and Systems	3
Area Electives in Biomedical Imaging and Optics		
Choose from the following and from the advanced BME electives in this area		12
E C E 203	Signals, Information, and Computation	3
E C E 204	Data Science & Engineering	3
E C E 331	Introduction to Random Signal Analysis and Statistics	3
E C E 431	Digital Signal Processing	3
E C E/ COMP SCI 533	Image Processing	3
B M E/H ONCOL/ MED PHYS/ PHYSICS 501	Radiation Physics and Dosimetry	3
B M E/ MED PHYS 566	Physics of Radiotherapy	3
B M E/ MED PHYS 573	Mathematical Methods in Medical Physics	3
B M E/ MED PHYS 580	The Physics of Medical Imaging with Ionizing Radiation	4
N E 305	Fundamentals of Nuclear Engineering	3
N E 408	Ionizing Radiation	3
N E 427	Nuclear Instrumentation Laboratory	2
Advanced B M E Area Technical Electives in Biomedical Imaging and Optics		
B M E/ MED PHYS 535	Introduction to Energy-Tissue Interactions	3
B M E/ MED PHYS 578	Non-Ionizing Diagnostic Imaging	4
B M E 604	Special Topics in Biomedical Imaging and Optics	1-3
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3
B M E 651	Biophotonics Laboratory	3

Biomechanics:

Code	Title	Credits
Required Area Elective		
E M A 202	Dynamics	3
Area Electives in Biomechanics		
Choose from any E M A or M E course, the courses below, and from the advanced B M E electives in this area		12
M S & E 350	Introduction to Materials Science	3
or M S & E 351	Materials Science-Structure and Property Relations in Solids	
M S & E/CHEM 421	Polymeric Materials	3
CBE 320	Introductory Transport Phenomena	4
or B M E 330	Engineering Principles of Molecules, Cells, and Tissues	
CBE 324	Transport Phenomena Lab	3
Advanced B M E Area Technical Electives in Biomechanics		
B M E/M E 414	Orthopaedic Biomechanics - Design of Orthopaedic Implants	3
B M E/M E 415	Biomechanics of Human Movement	3
B M E/M E 505	Biofluidics	3
B M E/M E 516	Finite Elements for Biological and Other Soft Materials	3
B M E/ MED PHYS 535	Introduction to Energy-Tissue Interactions	3
B M E/I SY E 564	Occupational Ergonomics and Biomechanics	3
B M E/M E 605	Special Topics in Biomechanics	1-3
B M E/M E 615	Tissue Mechanics	3
B M E/I SY E 662	Design and Human Disability and Aging	3

Biomaterials, Cellular and Tissue Engineering:

Code	Title	Credits
Required Area Elective		
B M E 330	Engineering Principles of Molecules, Cells, and Tissues	4
or CBE 320	Introductory Transport Phenomena	
Area Electives in Biomaterials, Cellular and Tissue Engineering		
Choose from any CBE or M S E course, the courses below, and from the advanced B M E electives in this area		11
M E 417	Transport Phenomena in Polymer Processing	3
M E 418	Engineering Design with Polymers	3
M E/STAT 424	Statistical Experimental Design	3

B M E 511	Tissue Engineering Laboratory	1
Advanced B M E Area Technical Electives in Biomaterials, Cellular and Tissue Engineering		
B M E/M E 505	Biofluidics	3
B M E 510	Introduction to Tissue Engineering	3
B M E/M E 516	Finite Elements for Biological and Other Soft Materials	3
B M E 520	Stem Cell Bioengineering	3
B M E 545	Engineering Extracellular Matrices	3
B M E 550	Introduction to Biological and Medical Microsystems	3
B M E 556	Systems Biology: Mammalian Signaling Networks	3
B M E/CBE 560	Biochemical Engineering	3
B M E 606	Special Topics in Biomaterials, Cellular and Tissue Engineering	1-3
B M E/M E 615	Tissue Mechanics	3
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3

One Advanced B M E Technical Elective from any area (complete list) - 1 course:

Code	Title	Credits
Required 1 course		3
B M E/M E 414	Orthopaedic Biomechanics - Design of Orthopaedic Implants	3
B M E/M E 415	Biomechanics of Human Movement	3
B M E/E C E 462	Medical Instrumentation	3
B M E/E C E 463	Computers in Medicine	3
B M E/M E 505	Biofluidics	3
B M E 510	Introduction to Tissue Engineering	3
B M E/M E 516	Finite Elements for Biological and Other Soft Materials	3
B M E 520	Stem Cell Bioengineering	3
B M E/ MED PHYS 535	Introduction to Energy-Tissue Interactions	3
B M E 545	Engineering Extracellular Matrices	3
B M E 550	Introduction to Biological and Medical Microsystems	3
B M E 556	Systems Biology: Mammalian Signaling Networks	3
B M E/CBE 560	Biochemical Engineering	3
B M E/I SY E 564	Occupational Ergonomics and Biomechanics	3
B M E/ MED PHYS 578	Non-Ionizing Diagnostic Imaging	4
B M E 603	Special Topics in Bioinstrumentation and Medical Devices	1-3
B M E 604	Special Topics in Biomedical Imaging and Optics	1-3
B M E/M E 605	Special Topics in Biomechanics	1-3
B M E 606	Special Topics in Biomaterials, Cellular and Tissue Engineering	1-3
B M E/M E 615	Tissue Mechanics	3
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3
B M E 640	Medical Devices Ecosystem: The Path to Product	3
B M E 651	Biophotonics Laboratory	3
B M E/I SY E 662	Design and Human Disability and Aging	3

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

Qualified undergraduates may earn an Honors in Research designation on their transcript and diploma by completing 8 credits of undergraduate honors research, including a senior thesis. For more information about the program and the application form, visit: https://go.wisc.edu/bme-honors-application (https://go.wisc.edu/bme-honors-application/)

TOTAL DEGREE CREDITS: AT LEAST 128

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
INTEREGR 170[1]	3	INTEREGR 170[1]	3
or Liberal Studies Elective[Med]		or Liberal Studies Elective[Med]	
MATH 221	5	MATH 222	4
Communications A	3	E M A 201, PHYSICS 201, or PHYSICS 207[2]	3
CHEM 109 (or CHEM 103 and CHEM 104)	5	CHEM 343	3
		COMP SCI 200, 220, or 300[3]	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
B M E 200[4]	2	B M E 201	3
MATH 234	4	MATH 320 or 319	3
PHYSICS 202 or 208	5	E M A 303	3
Science Elective[Med]	3	Liberal Studies Elective	3
B M E 325, STAT 324, or STAT 431[3]	3	Free-General Elective Credits[Med]	2
		B M E 310[5]	3
	17		**17**

Third Year

Fall	Credits	Spring	Credits
B M E 300[4]	3	Select one of the following options:	5
Select one of the following options:	5	B M E 301 (3 cr) & Free-General Elective (2 cr)	
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102		ZOOLOGY/ BIOLOGY/ BOTANY 152[Med]	
ZOOLOGY/ BIOLOGY/ BOTANY 151[Med]		BIOCORE 383 & BIOCORE 384[Med]	
BIOCORE 381 & BIOCORE 382 (the first lab - 382 - is recommended not required)[Med]		Liberal Studies Elective	3
Liberal Studies Elective	3	Free-Engineering Technical Elective	2
B M E 315[5]	3	B M E/PHM SCI 430[5]	3
Area-Required Engineering Technical Elective	3	Area-Engineering Technical Elective	3
	17		**16**

Fourth Year

Fall	Credits	Spring	Credits
B M E 400	3	B M E 402[4]	3
Select one of the following options:	5	Advanced Biology/Life Science Elective	3
ANAT&PHY 335		Liberal Studies Elective[Med]	3
BIOCORE 485 & BIOCORE 486		Advanced Biomedical Engineering Technical Elective	3
Area-Engineering Technical Elective	3	Area-Engineering Technical Elective	3
Area-Engineering Technical Elective	3		
	14		**15**

Total Credits 128

FOOTNOTES

Med These courses are identified as requirements for most medical schools and are included within the 128 degree credits. Students not wishing to attend medical school may choose any of the listed options. Choosing other options will affect the total number of credits.
Medical schools have varying requirements. Liberal electives, free-general electives, and science electives can often be used to satisfy these. **Check requirements early** and start planning during your first year. For example: science elective and free elective for CHEM 345 and CHEM 344; liberal studies for psychology, sociology, English and writing; advanced life science for biochemistry; engineering technical free elective for research; and one of the recommended biology sequences (noted with Med) taken earlier than shown. A good resource is: http://prehealth.wisc.edu/.

1 INTEREGR 170 Design Practicum is required only for students directly admitted to B M E as freshmen and counts toward the 48 engineering credits. It can be taken in the fall or the spring semester.

2 It is highly recommended that students take E M A 201 Statics instead of PHYSICS 201 General Physics. E M A 201 Statics is a requisite for E M A 303 and thus taking PHYSICS 201/PHYSICS 207 General Physics alone is not recommended.

3 It is recommended that students needing additional core course options for progression take computer sciences in the first year. Additionally, STAT 324 Introduction to Statistics for Science and Engineering counts as a science core course. B M E 325 Applied Statistics for Biomedical Engineers is not a science core course, but is preferred. B M E 325 is open to first year students. MATH/STAT 431 Introduction to the Theory of Probability is only recommended for students interested in a math certificate or second major.

4 Students who are admitted late to the program and/or students who take part in another experience (such as co-op and/or study abroad), missing B M E 200 Biomedical Engineering Design or B M E 300 Biomedical Engineering Design and Leadership , or students who may

graduate early missing B M E 402 Biomedical Engineering Capstone Design II on a rare approved exception, may substitute for these courses for the semester they are not in the program or at UW-Madison. Students in these situations must still take four of the six BME design courses.
Approved substitutions include: B M E 1 Cooperative Education Program, engineering research credit, or any course numbered 200 or above additional engineering technical elective lab or design experience.
For more information on the unique design sequence see: http://bmedesign.engr.wisc.edu/about/.

[5] The three core courses are all required: B M E 310 Bioinstrumentation, B M E 315 Biomechanics, B M E/PHM SCI 430 Biological Interactions with Materials, but they can be taken in any order. It is recommended that students take the one in their track of interest first, or as early as possible.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org), https://www.abet.org, under the commission's General Criteria and Program Criteria for Bioengineering and Biomedical and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path graduates choose, be it a job, postgraduate education, or volunteer service, be it in engineering or another field, we have for our graduates the following objectives, that they will:

1. continue to exhibit strong skills in problem solving, leadership, teamwork and communication;
2. use these skills to contribute to their communities;
3. make thoughtful, well-informed career choices;
4. demonstrate a continuing commitment to and interest in their own and others' education

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Biomedical Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/biomedical-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

CHEMICAL AND BIOLOGICAL ENGINEERING

As a chemical engineering major, you will be part of a vibrant community of engineers in the Department of Chemical and Biological Engineering (https://engineering.wisc.edu/departments/chemical-biological-engineering/) and join a network of alumni who are shaping the modern chemical economy and creating positive impact in our society. Capitalize on advances in chemistry and biology to create new products, design chemical processes, develop energy resources, and protect the environment.

While chemical engineering is a demanding field, you will find having a degree in chemical engineering from UW-Madison will open doors to many exciting career paths and prepare you for a wide range of career opportunities, including:

- Pharmaceuticals
- Personal/beauty care products
- Food processing
- Public health
- Energy and materials
- Air and water quality
- Artificial intelligence

- Manufacturing
- Plastics & materials recycling
- Environmental sustainability

You will also find that UW-Madison chemical engineers are sought by many companies and industries outside the immediate field. You might choose to join the many alumni who have had successful careers at Fortune 500 companies, pursue graduate studies to become a professor, or pursue other career paths beyond engineering such as entrepreneurship, finance, policy, environmental science, healthcare, law, and business administration.

Through our program, you will acquire a rigorous education in the fundamental chemical engineering sciences from our award-winning faculty and outstanding mentors. Develop valuable design and problem-solving skills, discover tools and technologies that professional chemical engineers use every day, and explore topics like:

- Transport phenomena
- Artificial intelligence
- Kinetics
- Thermodynamics
- Catalysis
- Systems engineering
- Chemical process design
- Material sciences
- Biochemical engineering

Most of our courses involve hands-on learning, and you will have ample opportunity to explore our state-of-the art labs and high-tech makerspace. You will also have additional learning opportunities through internships and cooperative education experiences, and participation in research labs as an undergraduate. In today's landscape, it's also necessary to be a skilled communicator. To prepare you for after graduation, our curriculum places considerable emphasis on building soft-skills through technical report writing, team projects, and formal and informal presentations.

Along with core chemical engineering courses, classes in chemistry, physics, mathematics, and biology are required. In addition, students broaden their understanding of society and how engineering can have a positive impact by taking several courses in the humanities and social sciences.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Chemical Engineering, BS (p. 268)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

For information about scholarships, see Wisconsin Scholarship Hub (https://wisc.academicworks.com/).

FACILITIES

Facilities available for instruction and research include:

Biochemical Process Lab
Electrochemistry Lab
Plastics Lab
Process Dynamics and Control Lab
Research Labs
Transport Phenomena Lab
Unit Operations Lab

CHEMICAL ENGINEERING, BS

As a chemical engineering major, you will be part of a vibrant community of engineers in the Department of Chemical and Biological Engineering (https://engineering.wisc.edu/departments/chemical-biological-engineering/) and join a network of alumni who are shaping the modern chemical economy and creating positive impact in our society. Capitalize on advances in chemistry and biology to create new products, design chemical processes, develop energy resources, and protect the environment.

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- Food processing
- Public health
- Energy and materials
- Air and water quality
- Artificial intelligence
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- Plastics & materials recycling
- Environmental sustainability

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HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the chemical engineering degree program.

Code	Title	Credits
Mathematics		16
Physics		10
Chemistry		17
Life Science		3
Advanced Science		6
Core Engineering Requirement		52
Professional Breadth		6
Communication Skills		6
Liberal Studies Requirement		16
Total Credits		**132**

MATHEMATICS REQUIREMENT

The calculus requirement must be met with a minimum of 12 credits to cover the three-course basic math sequence. Any deficiency in total math credits must be made up with electives in science or engineering.

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations	3
Total Credits		**16**

PHYSICS REQUIREMENT

Credit shortages caused by transfer physics courses at fewer than 6 credits for the required courses must be made up with another physics course.

Code	Title	Credits
PHYSICS 201	General Physics	5
or PHYSICS 207	General Physics	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
Total Credits		**10**

CHEMISTRY REQUIREMENT

Credit shortages caused by transfer of freshman chemistry courses at fewer than 9 credits must be made up with chemistry, biochemistry, or chemical engineering courses. Students who complete CHEM 115 & CHEM 116 will fulfill CHEM 103 & CHEM 104 and CHEM 329 requirements.

Code	Title	Credits
General Chemistry (choose one)		5-9
CHEM 109	Advanced General Chemistry (preferred)	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 329	Fundamentals of Analytical Science	4
CHEM 343 & CHEM 345 & CHEM 344	Organic Chemistry I and Organic Chemistry II and Introductory Organic Chemistry Laboratory	8
Total Credits		**17-21**

LIFE SCIENCE

Students who meet the Introductory Biology requirement with an AP exam are encouraged to take an additional advanced science elective.[1]

Code	Title	Credits
Introductory Biology requirement (choose one)		3
ZOOLOGY 153	Introductory Biology	
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
Total Credits		**3**

ADVANCED SCIENCE

Students who meet the Introductory Biology requirement with an AP exam are encouraged to take an additional advanced science elective.[1]

Code	Title	Credits
Advanced Science requirement (choose two)		6
BIOCHEM 501	Introduction to Biochemistry (recommended)	
CHEM 562	Physical Chemistry II (recommended)	
BIOCHEM 507	General Biochemistry I	
BIOCHEM 508	General Biochemistry II	
CHEM 511	Advanced Inorganic Chemistry	
CHEM 547	Advanced Organic Chemistry	
CHEM 665	Biophysical Chemistry	
GENETICS 466	Principles of Genetics	
MICROBIO 303	Biology of Microorganisms	
ZOOLOGY 570	Cell Biology	
Total Credits		**6**

[1] BIOCORE 381 Evolution, Ecology, and Genetics and BIOCORE 383 Cellular Biology may be used to satisfy the Life Science Requirement and one Advanced Science Elective. Other courses may be substituted by petition.

CORE ENGINEERING REQUIREMENT

Code	Title	Credits
CBE 150	Introduction to Chemical Engineering	1
CBE 250	Process Synthesis (with a grade of C or better)	3
CBE 255	Introduction to Chemical Process Modeling	3
CBE 310	Chemical Process Thermodynamics (with a grade of C or better)	3
CBE 311	Thermodynamics of Mixtures (with a grade of C or better)	3

CBE 320	Introductory Transport Phenomena (with a grade of C or better)	4
CBE 324	Transport Phenomena Lab	3
CBE 326	Momentum and Heat Transfer Operations	3
CBE 355	Statistics for Chemical Engineers	3
CBE 424	Operations and Process Laboratory	5
CBE 426	Mass Transfer Operations	3
CBE 430	Chemical Kinetics and Reactor Design	3
Materials Requirement, select one of the following:		3
CBE 440	Chemical Engineering Materials	
CBE 540	Polymer Science and Technology	
CBE 547	Introduction to Colloid and Interface Science	
CBE 450	Process Design	3
CBE 470	Process Dynamics and Control	3
CBE Electives [2]		6
Total Credits		**52**

[2] Chemical Engineering electives may be chosen from any of the CBE courses that are not required, numbered 300 or above (excluding seminar courses). A maximum of two credits of co-op work (CBE 1 Cooperative Education Program) may be used to meet the CBE elective requirement. Qualified undergraduates may take graduate-level (600 or 700) courses to fulfill this requirement.

PROFESSIONAL BREADTH

Select 6 credits

Code	Title	Credits
Professional Breadth Credits [3]		6
Courses numbered 300 and above from the following College of Engineering departments and programs may be used:		
Biomedical Engineering		
Civil and Environmental Engineering		
Electrical and Computer Engineering		
Engineering Mechanics and Astronautics		
Engineering Professional Development		
Geological Engineering		
Industrial Engineering		
Interdisciplinary Courses (Engineering)		
Materials Science and Engineering [4]		
Mechanical Engineering		
Nuclear Engineering		
Engineering Physics		
Courses numbered 300 and above from the following departments in the College of Letters and Sciences may be used:		
Chemistry		
Computer Sciences		
Math		
Physics		
The following courses may also be used:		
ACCT I S 300	Accounting Principles	
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507	General Biochemistry I	
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 383	Cellular Biology	
BSE 364	Engineering Properties of Food and Biological Materials	
BSE/ ENVIR ST 367	Renewable Energy Systems	
ECON/A A E/ ENVIR ST 343	Environmental Economics	
ENVIR ST/ GEOSCI 411	Energy Resources	
ENVIR ST/ PHILOS 441	Environmental Ethics	
FINANCE/ ECON 300	Introduction to Finance	
FOOD SCI 550	Fermented Foods and Beverages	
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	
GENETICS 466	Principles of Genetics	
M H R 300	Managing Organizations	
MICROBIO 303	Biology of Microorganisms	
STAT/M E 424	Statistical Experimental Design	
ZOOLOGY 570	Cell Biology	
Total Credits		**6**

Students may petition the department to allow other courses related to engineering professional practice. To request that a course not listed above be used, the student should fill out the Professional Breadth Requirement Course Request form available online and submit it to the faculty advisor. The department will then determine if the course can be counted toward the Professional Breadth Requirement. Petitions must be submitted before the beginning of the semester in which the course is to be taken.

[3] The objective of this requirement is to provide students with skills to interact with professionals from other disciplines. Suitable courses for this requirement include courses in engineering (excluding CBE) and science, as well as a variety of other disciplines.

[4] Full degree credit is not allowed if a student takes both CBE 440 Chemical Engineering Materials and M S & E 350 Introduction to Materials Science. In this case M S & E 350 Introduction to Materials Science will be awarded only 1 degree credit.

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition [5]	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 397	Engineering Communication	3

[5] Some students will be exempt from this requirement based on their placement test scores or advanced placement in English.

LIBERAL STUDIES ELECTIVES

Complete 16 credits of liberal studies requirements (p. 254).

Students must take 16 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following sub-requirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectareas/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D).
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for sub-requirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case “e” in the course listing). These courses may help satisfy sub-requirements 1 and 2 above, but they count only once toward the total required. Note: Some courses may have “e” designation but not have H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

FREE ELECTIVES

Students fulfilling their course requirements with fewer than 132 credits must take additional free-elective credits to comply with the 132-credit minimum graduation requirement.

COURSE SUBSTITUTION REGULATIONS

1. Any student may, with advisor approval, replace up to 12 credits of required courses in the curriculum, except CBE 424 Operations and Process Laboratory, by an equal number of credits of other courses within the limitations listed under (3) below.
2. Any student who wishes to amend the curriculum by more than 12 credits or wishes to appeal the advisor's decision in (1) or to request exception to (3) below must submit a written request to the chair of the department, who will bring it to the department faculty for consideration.
3. Restrictions on course substitutions are as follows:
   a. Physics courses may be replaced by science or engineering courses.
   b. Chemistry/life science courses must be replaced by courses with significant chemistry/life science content.
   c. Engineering courses must be replaced by engineering courses.
   d. Lab courses must be replaced by courses with an equal number of hours of lab courses.
   e. English as a Second Language courses, and MATH 112 College Algebra, MATH 113 Trigonometry, and MATH 114 Precalculus may not be used for course substitutions.

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

The Honors in Research program in Chemical Engineering is designed for students who wish to have a more in-depth research experience and is particularly recommended for students considering enrollment in a PhD program. To be accepted into the Honors in Research program, students must have completed at least two semesters on the UW-Madison campus with a cumulative GPA of at least 3.5 and should find a faculty mentor. Students register for 1-3 credits of CBE 489 Honors in Research and are expected to complete at least 8 credits of CBE 489 over 2-3 semesters. Students must also write a senior thesis and present the work to a committee of faculty. Students meeting all requirements, and maintaining a cumulative GPA of at least 3.3, will receive the Honors in Research designation upon graduation.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 109	5	CHEM 329	4
MATH 221	5	MATH 222	4
CBE 150	1	PHYSICS 201	5
Communications A	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	17		**16**

Second Year

Fall	Credits	Spring	Credits
CBE 250[1]	3	CBE 255	3
CHEM 343[2]	3	MATH 320	3
MATH 234	4	CBE 310[1]	3
PHYSICS 202	5	CHEM 345 & CHEM 344	5
ZOOLOGY 153	3	Liberal Studies Elective	3
	18		**17**

Third Year

Fall	Credits	Spring	Credits
CBE 311[1]	3	CBE 326	3
CBE 320[1]	4	CBE 324	3
CBE 355	3	INTEREGR 397	3
Professional Breadth Elective	3	Advanced Science Elective	3
Advanced Science Elective	3	Liberal Studies Elective	4
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits	Summer	Credits
CBE 426	3	CBE 450	3	CBE 424	5
CBE 430	3	CBE 470	3		
CBE Elective	3	CBE Elective	3		
Materials Elective	3	Professional Breadth Elective	3		
Liberal Studies Elective	3				
	15		**12**		**5**

Total Credits 132

1 CBE 250 Process Synthesis and CBE 320 Introductory Transport Phenomena, CBE 310 Chemical Process Thermodynamics, and CBE 311 Thermodynamics of Mixtures require a grade of C or better.

2 CHEM 343 Organic Chemistry I requires a grade of C or better.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Chemical, Biochemical, Biomolecular, and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. continue to exhibit strong skills in problem solving, leadership, teamwork, and communication;

2. use these skills to contribute to the various communities, both local and global, within which they work, live, and function;
3. make thoughtful, well-informed career choices; and
4. demonstrate a continuing commitment to and interest in education (their own and others')

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Chemical Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/chemical-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

CIVIL AND ENVIRONMENTAL ENGINEERING

The Department of Civil and Environmental Engineering is home to research and educational programs that help make our environment, society, and communities better places to live, work, and play – engineering for public good. We do this with a commitment to sustainability – meeting the societal, environmental, and financial needs of today without sacrificing the ability to meet these needs for future generations.

In all three of our undergraduate degree programs, you will find high-impact educational experiences that help you prepare for a career in engineering by:

- Using the tools and technology that engineers use every day;
- Building your professional network of engineers and mentors;
- Touring active job sites and facilities;
- Participating in activities led by student organizations, including design competitions like concrete canoe, steel bridge, and others;
- Gaining hands-on experience through an internship or co-op;
- Collaborating with faculty on innovative research;
- Expanding your horizons by studying abroad; and
- Helping local communities and clients with real-world projects through the NCEES award-winning senior capstone design class.

This mix of coursework, field experiences, and hands-on activity opens the path to professional engineering licensure and career opportunities that impact the world around us by:

- Ensuring the health, safety, and welfare of the public and the environment;
- Developing and maintaining our water, earth, and energy resources;
- Creating and operating smart cities and infrastructure systems using "big data;" and
- Working with next-generation materials and systems that reduce construction costs and have fewer impacts on society and the environment.

You can learn more about our community and programs by exploring the menu on the upper right corner of this page.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Architecture, Certificate (p. 274)
- Civil Engineering, BS (p. 276)
- Environmental Engineering, BS (p. 283)
- Geological Engineering, BS (p. 289)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available include modern and fully equipped laboratories for instruction and research in the following areas:

- Environmental Engineering
- Fluid Mechanics
- Geoengineering
- Hydraulics
- Data Acquisition and Analysis
- Structures and Materials Testing
- Transportation Engineering
- Environmental Chemistry and Technology

ARCHITECTURE, CERTIFICATE

The mission of the Certificate in Architecture is to provide UW–Madison students an opportunity to explore theories and practices of architecture, and the design and meaning of the built environment within socio-political, historical, cultural, and ecological contexts.

The population of the world now exceeds eight billion, half of which live in cities. These numbers will only increase as the century progresses, and the need to understand the issues and challenges in maintaining health, safety, and quality of life in the built environment has never been greater. A collaboration of architects, engineers, interior designers, landscape architects, and urban planners will be needed to apply art and science to address these challenges, using lessons from history to understand contemporary problems.

The certificate requirements create collaborative opportunities for students in engineering, architecture, art history, interior architecture, landscape architecture, and planning. For example, the certificate offers opportunities for engineering students to take courses in art history with students from art history and other majors. Similarly, art history students have opportunities to take courses in engineering, and so on. These cross-college educational opportunities are rare within established curriculum requirements and offer rich experiences for understanding the perspectives, theories, and practices of those in different professions.

At least three of the 15 credits will be taught online as a UW–Madison course number by architecture faculty at the University of Wisconsin–Milwaukee.

HOW TO GET IN

HOW TO GET IN

All undergraduate students in good academic standing are eligible to apply. We encourage students to declare as early as possible in order to plan their required coursework. Students should complete and submit the declaration form (https://engineering.wisc.edu/programs/certificates/architecture/declaration/) to declare the certificate. College of Engineering students must meet progression requirements in their selected major before the certificate can be added to their record.

REQUIREMENTS

REQUIREMENTS

- Students must successfully complete at least 15 credits, including 9 credits in courses numbered 300 or higher.
- Students must complete certificate courses with a GPA of 2.000 or higher.
- Courses completed on a pass/fail or credit/no credit basis will not count toward these requirements.

REQUIRED COURSEWORK

Code	Title	Credits
Studio Requirement		
CIV ENGR 151	Architectural Making I	3
Architectural History Course		
Choose one from the following:		3-4
ART HIST 210	A History of the World in 20 Buildings	
ART HIST/ ENVIR ST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	
CIV ENGR 155	Architectural Thinking	
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	
LAND ARC 260	History of Landscape Architecture	
Electives		
Must select courses from at least two different focus areas.		8-9
Area 1: Studio		
CIV ENGR 152	Architectural Making II	
CIV ENGR 352	Frank Lloyd Wright - Design Seminar	
CIV ENGR 451	Architectural Design	
DS 120	Design: Fundamentals I	
LAND ARC 210	Introduction to Landscape Architecture Design Studio	
LAND ARC 261	Principles of Landscape Architecture Design and Graphics	
Area 2: History		
ART HIST 210	A History of the World in 20 Buildings	
ART HIST/ ENVIR ST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture	
ART HIST 305	History of Islamic Art and Architecture	
ART HIST 318	Romanesque and Gothic Art and Architecture	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 413	Art and Architecture in the Age of the Caliphs	
ART HIST 457	History of American Vernacular Architecture and Landscapes	
ART HIST 468	Frank Lloyd Wright	
CIV ENGR 150	Introduction to Architectural Theory	
CIV ENGR 155	Architectural Thinking	
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	
LAND ARC 250	Survey of Landscape Architecture Design	
LAND ARC 260	History of Landscape Architecture	
URB R PL/ GEOG 305	Introduction to the City	
Area 3: Tools		
CIV ENGR 159	Civil Engineering Graphics	
CIV ENGR 250	Architectural Visualization	
CIV ENGR 392	Building Information Modeling (BIM)	
DS/ COMP SCI 579	Virtual Reality	
LAND ARC 210	Introduction to Landscape Architecture Design Studio	
LAND ARC 211	Shaping the Built Environment	
Area 4: Construction		
CIV ENGR 496	Electrical Systems for Construction	
CIV ENGR 497	Mechanical Systems for Construction	
DS 223	Interior Architectural Design	
M E 461	Thermal Systems Modeling	

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate knowledge of basic concepts in architecture and related disciplines
2. Employ skills in scale and proportion, composition and form in both 2D and 3D
3. Distinguish and develop a working knowledge of significant developments in architectural thinking across time and in a cross-cultural context
4. Apply critical thinking to ideas and theories in the history of architecture

CIVIL ENGINEERING, BS

Civil engineering shapes our world by supporting the health and safety of the environment and the communities we call home. It's a multidisciplinary career field dedicated to public good by designing, building, operating, and maintaining:

- Buildings, homes, schools, theaters, and stadiums where we live, learn, work, and play
- Highways, streets, and bridges where we walk, bike, and drive
- Systems and infrastructure that guard us from flooding and provide safe water for drinking, swimming, and recreation
- Transportation hubs like airports, railways, and harbors that support the movement of people and goods
- Treatment and emission systems that ensure the safety of the air we breathe
- Systems for recycling, reusing, and disposing of solid and hazardous waste
- Production and transmission systems for conventional and renewable energy sources

As our infrastructure needs evolve and older generations leave the workforce, the demand for civil engineers is on the rise. The U.S. Bureau of Labor and Statistics projects over 21,000 job openings annually in the civil engineering field now through 2032, exceeding the average for other occupations.

At the University of Wisconsin–Madison, we help future engineers prepare for what's ahead with hands-on learning opportunities in well-equipped labs (https://engineering.wisc.edu/news/vacuum-box-enhances-structures-lab-testing-capacity/), computer facilities, on-site and field experiences, and our capstone design course (https://engineering.wisc.edu/blog/cee-capstone-course-wins-7th-ncees-award-for-renewable-energy-project/).

You'll learn from supportive professors and practicing engineers while using the tools and technology that civil engineers use every day. Working with other students, you'll create solutions to challenges in our natural and built environments for real-world clients. And as you move forward in the program, you'll be ready for internships and co-ops (https://engineering.wisc.edu/blog/a-blueprint-for-success-schiesls-journey-from-student-to-alum/) that add to your education and offer valuable experience before graduation day.

Required civil engineering courses cover the breadth of fundamental knowledge you will need in this career field. Elective courses in facility design or operation help you tailor your studies and explore the latest innovations and methods for integrating sustainability, resilience to climate change, smart infrastructure, and virtual reality into engineering design and operation. There are also a variety of certificate programs that you can pair with your degree, including a Certificate in Architecture (https://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/architecture-certificate/).

We encourage students to take the Fundamentals of Engineering (FE) exam before or shortly after graduating (https://engineering.wisc.edu/blog/taking-the-fe-exam-as-an-undergrad/), which is the first step in professional engineering licensure and its benefits. A pass rate of 95% among our students surpasses the national average of 70%, ensuring our graduates are well-prepared for their careers.

Alumni from our program find jobs with planning and design consulting firms (https://engineering.wisc.edu/blog/from-student-to-startup-co-founder-olivia-fritz-sets-sights-on-sustainability-engineering/); architectural firms; construction companies; local, state, and federal agencies (https://engineering.wisc.edu/blog/anthony-heddlesten-2023-early-career-award-recipient/); and beyond. Areas of expertise include construction engineering and management, environmental engineering, geological and geotechnical engineering, structural engineering, transportation engineering, and water resources. Common entry-level job titles include civil engineer, field engineer, design engineer, structural engineer, surveyor, and transportation engineer.

VISION

Develop and maintain a learning community that pursues new knowledge and understanding, and provides innovative and sustainable solutions to human and ecological needs.

MISSION OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE) PROGRAM

Create, integrate, and transfer civil engineering knowledge and practice in the development of professionals, leaders, and citizens that help define and serve societal and environmental needs by applying this knowledge and practice in an effective and sustainable manner.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have

access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the civil engineering degree program.

Code	Title	Credits
Introduction to Engineering		3
Mathematics and Statistics		19
Basic Science		16
Engineering Mechanics		10
Civil Engineering Mechanics		6
Civil Engineering Tools		6
Civil Engineering Breadth		21
Civil Engineering Design		10
Engineering Electives		13
Communications		8
Liberal Studies		16
Total Credits		**128**

INTRODUCTION TO ENGINEERING

Code	Title	Credits
INTEREGR 170	Design Practicum	3
Total Credits		**3**

MATHEMATICS AND STATISTICS REQUIREMENT

Code	Title	Credits
Mathematics		
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
Statistics		
One of the following options:		3
STAT 324	Introduction to Statistics for Science and Engineering	
or I SY E 210	Introduction to Industrial Statistics	
STAT 311 & STAT 312	Introduction to Theory and Methods of Mathematical Statistics I and Introduction to Theory and Methods of Mathematical Statistics II	
Advanced Mathematics		
One of the following options:		3
MATH 319	Techniques in Ordinary Differential Equations	
MATH 320	Linear Algebra and Differential Equations	
Total Credits		**19**

BASIC SCIENCE REQUIREMENT

Code	Title	Credits
One of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
One of the following:		5
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
One of the following:		3
GEOSCI 100	Introductory Geology: How the Earth Works	
GEOSCI/ ENVIR ST 106	Environmental Geology	
One of the following:		3
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
ZOOLOGY 153	Introductory Biology	
ZOOLOGY/ BOTANY/ ENVIR ST 260	Introductory Ecology	
MICROBIO 101	General Microbiology	
Total Credits		**16-20**

ENGINEERING MECHANICS REQUIREMENT

Code	Title	Credits
E M A 201	Statics (with a grade of C or better)	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
E M A/M E 307	Mechanics of Materials Lab	1
Total Credits		**10**

CIVIL ENGINEERING MECHANICS REQUIREMENT

Code	Title	Credits
CIV ENGR 310	Fluid Mechanics	3
CIV ENGR/ E M A 395	Materials for Constructed Facilities	3
Total Credits		**6**

CIVIL ENGINEERING TOOLS REQUIREMENT

Code	Title	Credits
CIV ENGR 159	Civil Engineering Graphics (was ME 170 before Fall 2023)	2-3
or M E 231	Geometric Modeling for Design and Manufacturing	
CIV ENGR/G L E 291	Problem Solving Using Computer Tools	4
Total Credits		**6-7**

CIVIL ENGINEERING BREADTH REQUIREMENT

Code	Title	Credits
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR/ G L E 330	Soil Mechanics	3
CIV ENGR 340	Structural Analysis I	3
CIV ENGR 370	Transportation Engineering	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 498	Construction Project Management	3
Total Credits		**21**

CIVIL ENGINEERING DESIGN REQUIREMENT

Code	Title	Credits
CIV ENGR 578	Senior Capstone Design	4
Every student must take at least one class in at least two of the following CEE disciplines, for a total of 6 credits. One of the two classes MUST be completed BEFORE taking CIV ENGR 578 Senior Capstone Design.		6
Water Resources		
CIV ENGR 414	Hydrologic Design	
Environmental		
CIV ENGR 426	Design of Wastewater Treatment Plants	
CIV ENGR 427	Solid and Hazardous Wastes Engineering	
CIV ENGR 428	Water Treatment Plant Design	

CIV ENGR 522	Hazardous Waste Management
Structural	
CIV ENGR 445	Steel Structures I
CIV ENGR 447	Concrete Structures I
Geological	
CIV ENGR/ G L E 530	Seepage and Slopes
CIV ENGR/ G L E 532	Foundations
Transportation	
CIV ENGR 573	Geometric Design of Transport Facilities
CIV ENGR 574	Traffic Control
CIV ENGR 576	Advanced Pavement Design
Note: If a student takes three or more courses from the above list, two of those courses will count toward this civil engineering design requirement and the other classes will count towards the electives requirement (see section below).	
Total Credits	**10**

ENGINEERING ELECTIVES REQUIREMENT

1. Students must take at least 3 credits of coursework from an ABET-accredited degree-granting program outside of the Bachelor of Science in Civil Engineering program. INTEREGR and E P D courses do not qualify for meeting this requirement; any courses cross-listed with Civil Engineering (CIV ENGR) do not qualify for meeting this requirement.
2. Students must take at least 3 credits of CEE coursework in addition to the civil engineering design requirement. **Note:** Students in the Construction Engineering Management or Environmental Engineering option programs must select from a set of CIV ENGR courses approved for those options. [1,2,3]
3. Students must take at least 7 credits of coursework that meets at least one of the following[1,2,3]:
   a. Any course offered by an engineering department, including but not limited to CIV ENGR.
   b. Any Intermediate or Advanced level course with a breadth designation of Biological Sciences, Physical Sciences and/or Natural Sciences. These courses cannot also carry a breadth designation of Social Sciences, Humanities or Literature.
   c. Any of the following business courses: INTEREGR 303 Applied Leadership Competencies in Engineering, ACCT I S 300 Accounting Principles, FINANCE/ECON 300 Introduction to Finance, GEN BUS 301 Business Law, M H R 300 Managing Organizations, REAL EST/A A E/ECON/URB R PL 306 The Real Estate Process

Total Credits: 13

[1] Up to three credits of CIV ENGR 1 Cooperative Education Program may be used towards Item 2 or 3.

[2] Up to six credits of research work (CIV ENGR 299 Independent Study, CIV ENGR 489 Honors in Research, and/or CIV ENGR 699 Independent Study) may be used towards Item 2 or 3.

[3] CIV ENGR 121 Sustainability Engineering for Non-Engineers, CIV ENGR 150 Introduction to Architectural Theory, CIV ENGR 151 Architectural Making I, CIV ENGR 152 Architectural Making II, CIV ENGR 155 Architectural Thinking, and CIV ENGR 250 Architectural Visualization cannot be used in Items 2 or 3 above.

COMMUNICATIONS

Code	Title	Credits
Communications A (choose one)		**3**
ENGL 100	Introduction to College Composition	
LSC 100	Science and Storytelling	
COM ARTS 100	Introduction to Speech Composition	
ESL 118	Academic Writing II	
Speech-Related Course (choose one)		**2**
INTEREGR 275	Technical Presentations (was EPD 275) [1]	
COM ARTS 181	Elements of Speech-Honors Course	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
Writing-Related Course		**3**
INTEREGR 397	Engineering Communication	
Total Credits		**8**

[1] INTEREGR 275 Technical Presentations is strongly recommended.

LIBERAL STUDIES REQUIREMENTS

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete Requirements (p. 254) [1]		16
Requirements specific to Civil Engineering:		
An economics course must be selected from the following list:		
ECON 101	Principles of Microeconomics	
ECON 102	Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
A minimum of three credits of environmental studies course that meets the breadth designations of humanities, literature, and/or social science. Courses that also carry breadth designations of Biological Sciences, Natural Sciences, or Physical Sciences will not count towards this requirement.		
Total Credits		**16**

[1] All liberal studies credits must be identified with the letter H, S, L, or Z. Language courses are acceptable without the letter and are considered humanities. An economics elective and an environmental studies elective are required.
Note: See a CEE academic advisor for additional information.

HONORS IN RESEARCH

Students in civil engineering that have completed at least two semesters on the Madison campus with a cumulative GPA of **at least** 3.5 may apply to participate in the Honors in Research program. Students may register for 1 to 3 credits per semester. A grade of P (Progress) will be assigned each semester until the student completes the honors in research program or drops out of the program, at which time a final grade is assigned (based

on research progress and the written thesis, if completed). This becomes the grade for all credits taken in CIV ENGR 489 Honors in Research.

A senior thesis worth 3 credits of CIV ENGR 489 is required. The senior thesis is a written document reporting on a substantial piece of work that is prepared in the style of a graduate thesis. The thesis advisor determines the grade which the student receives for the thesis. A bound copy of the thesis must be submitted to the Department of Civil and Environmental Engineering office to complete the program.

The designation "Honors in Research" will be recorded on the student's transcript if the following criteria are met:

1. Satisfaction of requirements for an undergraduate degree in Civil Engineering.
2. A cumulative grade-point average of at least 3.3.
3. Completion of a total of at least 8 credits in CIV ENGR 489.
4. Completion of a senior honors thesis with a final grade of B or better.

Students interested in the Honors in Research program should contact their advisor or the BSCE chair for more information. Applications to the program are to be submitted to the BSCE chair with a supporting letter from the student's academic and thesis advisors. Decisions regarding acceptance are made by the BSCE chair.

NAMED OPTIONS

View as listView as grid

- **CIVIL ENGINEERING: CONSTRUCTION ENGINEERING AND MANAGEMENT (P. 282)**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
CHEM 109	5	E M A 201	3
INTEREGR 170	3	CIV ENGR 159 or M E 231	2
or LIBERAL STUDIES		LIBERAL STUDIES or	3
COMMUNICATIONS A	3	INTEREGR 170	
		GEOSCI 100 or 106	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 319 or 320	3
E M A 202	3	E M A 303	3
CIV ENGR 320	3	E M A/M E 307	1
BIOLOGY ELECTIVE	3	CIV ENGR 310	3
STAT 324	3	INTEREGR 275 (was EPD 275)	2
		ECON 101, 102, or 111	4
	16		**16**

Third Year

Fall	Credits	Spring	Credits
CIV ENGR 311	3	CIV ENGR 340	3
CIV ENGR/G L E 330	3	CIV ENGR/E M A 395	3
CIV ENGR/G L E 291	4	CIV ENGR 498	3

ETHNIC STUDIES	3	CIV ENGR 370	3
INTEREGR 397	3	PHYSICS 202 or 208	5
	16		**17**

Fourth Year

Fall	Credits	Spring	Credits
CIV ENGR DESIGN ELECTIVE	3	CIV ENGR 578	4
ENGR ELECTIVE	3	CIV ENGR DESIGN ELECTIVE	3
CIV ENGR ELECTIVE	3	ENGR ELECTIVE	3
CIV ENGR 494	3	LIBERAL STUDIES	3
ENV STUDIES ELECTIVE	3	ENGR OUTSIDE OF CIV ENGR	3
ENGR ELECTIVE	1		
	16		**16**

Total Credits 128

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

Licensure as a Professional Engineer is expected of civil engineers. Information on steps needed to obtain licensure is available from the National Council for the Examination of Engineers and Surveyors (NCEES) at https://ncees.org/engineering/.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Civil and Similarly Named Engineering Programs.

PROGRAM#EDUCATIONAL OBJECTIVES#FOR THE BACHELOR OF SCIENCE IN CIVIL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. Design and construct both natural and built processes and systems to efficiently meet determined needs using technical knowledge; modern tools; design principles; ethical practice; and communication, leadership, and team skills.
2. Utilize measurement and analysis tools along with experimental data in investigating natural and built systems.
3. Understand and incorporate economic, environmental, political, social, safety and global considerations in design, investigation and construction of natural and built systems.
4. Engage in lifelong learning to keep pace with the continuous evolution of policies, procedures, technologies and tools for engineering analysis, design, and decision making.
5. Serve others through participation in professional and/or civic activities and responsibilities.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Civil Engineering#Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/civil-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

CIVIL ENGINEERING: CONSTRUCTION ENGINEERING AND MANAGEMENT

The Department of Civil and Environmental Engineering offers an undergraduate option in Construction Engineering and Management (CEM). Students taking the CEM option will earn an ABET-accredited BS degree in civil engineering. The transcript will indicate that the student has earned a Bachelor of Science–Civil Engineering with option: Construction Engineering and Management.

REQUIREMENTS

REQUIREMENTS

CIVIL ENGINEERING DESIGN REQUIREMENT FOR CEM OPTION

Code	Title	Credits
Choose one:		3
CIV ENGR 445	Steel Structures I	
CIV ENGR 447	Concrete Structures I	
Must take:		
CIV ENGR 578	Senior Capstone Design [1]	4
Select one of the following:		3
CIV ENGR 392	Building Information Modeling (BIM) [2]	
CIV ENGR 414	Hydrologic Design	
CIV ENGR 426	Design of Wastewater Treatment Plants	
CIV ENGR 427	Solid and Hazardous Wastes Engineering	
CIV ENGR 428	Water Treatment Plant Design	
CIV ENGR 522	Hazardous Waste Management	
CIV ENGR/ G L E 530	Seepage and Slopes	
CIV ENGR/ G L E 532	Foundations	
CIV ENGR 573	Geometric Design of Transport Facilities	
CIV ENGR 574	Traffic Control	
CIV ENGR 576	Advanced Pavement Design	
Total Credits		**10**

[1] Must complete either CIV ENGR 445 Steel Structures I or CIV ENGR 447 Concrete Structures I before taking.

[2] This course is only available as a design course for CEM option students.

CONSTRUCTION ENGINEERING AND MANAGEMENT DEPTH REQUIREMENT

Code	Title	Credits
CIV ENGR 491	Legal Aspects of Engineering	3
CIV ENGR 492	Integrated Project Estimating and Scheduling	3
CIV ENGR 1	Cooperative Education Program [1]	1
Total Credits		**8**

[1] Students must take two credits of CIV ENGR 1 Cooperative Education Program total. A summer internship equals 1 credit; a co-op equals 1 credit.

ENGINEERING ELECTIVES REQUIREMENT FOR CEM OPTION

Code	Title	Credits
Select one of the following:		3
CIV ENGR 496	Electrical Systems for Construction	
CIV ENGR 497	Mechanical Systems for Construction	
Select two of the following:		6
ACCT I S 300	Accounting Principles	
FINANCE/ ECON 300	Introduction to Finance	
INTEREGR 303	Applied Leadership Competencies in Engineering	
M H R 300	Managing Organizations	
REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process	
REAL EST 611	Residential Property Development	
Total Credits		**9**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
CHEM 109[1]	5	CIV ENGR 159	2
INTEREGR 170	3	E M A 201	3
or LIBERAL STUDIES[2]		GEOSCI 100 or 106	3
COMMUNICATIONS A	3	LIBERAL STUDIES or[2]	3
		INTEREGR 17(	
	16		**15**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
MATH 234	4	MATH 319 or 320	3	CIV ENGR 1	1
STAT 324	3	E M A 303[3]	3		

E M A 202[3]	3 E M A/ M E 307[3]	1	
CIV ENGR 320	3 CIV ENGR 310	3	
ZOOLOGY 153, 260, or MICROBIO 101	3 INTEREGR 275 (was EPD 275)	2	
	ECON 101, 102, or 111[2]	4	
	16	**16**	**1**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
CIV ENGR 370	3	CIV ENGR DESIGN[4]	3	CIV ENGR 1	1
CIV ENGR 340	3	CIV ENGR/ E M A 395	3		
CIV ENGR/ G L E 330	3	CIV ENGR/ G L E 291	4		
INTEREGR 397	3	CIV ENGR 498	3		
ETHNIC STUDIES[2]	3	PHYSICS 202	5		
	15		**18**		**1**

Fourth Year

Fall	Credits	Spring	Credits
CIV ENGR DESIGN[4]	3	CIV ENGR 578	4
CIV ENGR 311	3	CIV ENGR 492[5]	3
CIV ENGR 491[5]	3	BUSINESS ELECTIVE	3
CIV ENGR 494	3	ENVIRONMENTA STUDIES ELECTIVE[2]	3
CONSTRUCTION SYSTEMS ELECTIVE	3	LIBERAL STUDIES[2]	3
BUSINESS ELECTIVE	3		
	18		**16**

Total Credits 132

1. Taking CHEM 103 General Chemistry I/CHEM 104 General Chemistry II instead of CHEM 109 Advanced General Chemistry adds 4 additional credits to degree requirements.
2. Liberal studies coursework should add up to 16 credits, including economics elective, environmental studies elective, and ethnic studies.
3. After completing E M A 201 Statics, students may take E M A 202 Dynamics and then E M A 303 Mechanics of Materials/E M A/M E 307 Mechanics of Materials Lab, or take E M A 303/E M A/M E 307 and then E M A 202.
4. One design course must be CIV ENGR 445 Steel Structures I or CIV ENGR 447 Concrete Structures I, which must be taken before CIV ENGR 578 Senior Capstone Design. CIV ENGR 445 is offered every Fall; CIV ENGR 447 is offered every Spring.
5. CIV ENGR 491 Legal Aspects of Engineering is offered every Fall; CIV ENGR 492 Integrated Project Estimating and Scheduling is offered every Spring.

ENVIRONMENTAL ENGINEERING, BS

Environmental engineering is a career path to protecting, restoring, managing, and enhancing the natural world around us and how we interact with it for today's generation and tomorrow's. Professionals in this field design, build, and operate systems and facilities to:

- Treat and distribute safe and reliable drinking water
- Recover materials, nutrients, and energy resources from wastewater and solid waste
- Protect and restore wetlands, streams, lakes, and groundwater
- Allocate water resources for urban, agricultural, and recreational use
- Protect and develop coastal shorelines and stream banks
- Manage stormwater and minimize flood risk
- Reduce, reuse, and recycle waste
- Minimize the creation of and provide treatment for industrial and agricultural waste and air emissions
- Protect us from the impacts of climate change, like rising sea levels and severe weather
- Slow down or reverse climate change by:
  - Using alternative energy sources, like solar, wind, geothermal, and biofuels
  - Recovering carbon and other greenhouse gases from industrial air emissions

Climate change, resource depletion, and older generations leaving the workforce are increasing the need for environmental engineers. With a focus on environmental, economic, and societal health and sustainability, we're guiding the next generation of environmental engineers with hands-on learning opportunities in well-equipped labs (https://engineering.wisc.edu/news/one-of-a-kind-environmental-engineering-class-overflows-with-real-world-examples/), computer facilities, on-site and field experiences, and our capstone design course (https://engineering.wisc.edu/blog/cee-capstone-course-wins-7th-ncees-award-for-renewable-energy-project/).

As an environmental engineering student, you'll learn how to ethically use engineering to protect, restore, remediate, reduce, and reuse resources on earth and in the air and water. Supportive faculty, staff, and practicing engineers will help you use and understand the tools and technology that environmental engineers use every day. And as you move forward in the program, you'll be ready for internships, co-ops, and undergraduate research opportunities to build your resume.

Required courses in this program cover the core breadth of knowledge you will need as an environmental engineer. Elective courses in facility design or operation are a way to tailor your studies and learn more about sustainability, resilience to climate change, smart infrastructure, and virtual reality in your career field. There are also certificate programs that you can pair with your degree, including two options on environmental sustainability.

Environmental engineering jobs are found in industries ranging from energy to public health; water resources; environmental protection and restoration; and resource recovery, recycling, and waste management. Employers include planning and design consulting firms; architectural firms; construction companies; manufacturers; laboratories; and local, state, and federal agencies. Entry-level job titles include environmental

engineer, field engineer, environmental scientist, natural resource specialist, and hydrologist.

To stay current in the field, lifelong learning and professional licensure are key. Students are encouraged to take the FE exam before graduation or shortly after (https://engineering.wisc.edu/blog/taking-the-fe-exam-as-an-undergrad/), which is the first step in professional licensure. A pass rate of 95% among our students surpasses the national average of 70%, ensuring our graduates are well-prepared for their careers.

VISION

Develop and maintain a learning community that pursues new knowledge and understanding, and provides innovative and sustainable solutions to human and ecological needs.

MISSION OF BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING (BSENVE) PROGRAM

Create, integrate, and transfer environmental engineering knowledge and practice in the development of professionals, leaders, and citizens that help define and serve societal and environmental needs by applying this knowledge and practice in an effective and sustainable manner.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the environmental engineering degree program.

Code	Title	Credits
Introduction to Engineering		3
Mathematics and Statistics		19
Basic Science		16
Engineering Mechanics		9
Engineering Tools		6
Fundamental Principles		18
Advanced Principles and Practices		33
Communications		8
Liberal Studies		16
Total Credits		**128**

INTRODUCTION TO ENGINEERING

Code	Title	Credits
INTEREGR 170	Design Practicum	3
Total Credits		**3**

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 319	Techniques in Ordinary Differential Equations [2]	3
or MATH 320	Linear Algebra and Differential Equations	
One of the following:		3-6
STAT 324	Introduction to Statistics for Science and Engineering	
or I SY E 210	Introduction to Industrial Statistics	
STAT 311 & STAT 312	Introduction to Theory and Methods of Mathematical Statistics I and Introduction to Theory and Methods of Mathematical Statistics II	
Total Credits		**19-22**

BASIC SCIENCE

Code	Title	Credits
One of the following:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
One of the following:		5
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
One of the following:		3
GEOSCI 100	Introductory Geology: How the Earth Works	
GEOSCI/ ENVIR ST 106	Environmental Geology	
One of the following:		3
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
ZOOLOGY 153	Introductory Biology	
ZOOLOGY/ BOTANY/ ENVIR ST 260	Introductory Ecology	
MICROBIO 101	General Microbiology	
Total Credits		**16-20**

ENGINEERING MECHANICS

Code	Title	Credits
E M A 201	Statics (with a grade of C or better)	3
E M A 202	Dynamics	3
CIV ENGR 310	Fluid Mechanics	3
Total Credits		**9**

ENGINEERING TOOLS

Code	Title	Credits
CIV ENGR/G L E 291	Problem Solving Using Computer Tools	4
CIV ENGR 159	Civil Engineering Graphics	2-3
or M E 231	Geometric Modeling for Design and Manufacturing	
Total Credits		**6-7**

FUNDAMENTAL ENVIRONMENTAL ENGINEERING PRINCIPLES

Code	Title	Credits
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3
CIV ENGR 325	Environmental Engineering Materials	3

CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 498	Construction Project Management	3
Total Credits		**18**

ADVANCED PRINCIPLES AND PRACTICES

Environmental Engineering Experiments

Note: Courses taken to meet this requirement may not be used to meet the environmental engineering breadth requirement.

Code	Title	Credits
One of the following lab courses:		3
CIV ENGR 322	Environmental Engineering Processes	
CIV ENGR 410	Hydraulic Engineering	
BSE 365	Measurements and Instrumentation for Biological Systems	
GEOSCI/ G L E 627	Hydrogeology	
Total Credits		**3**

Senior Capstone Design

Code	Title	Credits
CIV ENGR 578	Senior Capstone Design [1]	4
Total Credits		**4**

[1] At least one engineering design course as designated with an asterisk(*) must be completed before taking CIV ENGR 578 Senior Capstone Design.

[2] MATH 319 Techniques in Ordinary Differential Equations preferred

Environmental Engineering Breadth Electives

Code	Title	Credits
Electives		
At least one class in at least four of the following sub-disciplines. At least two of the courses must be designated as an engineering design course (*) and must be from different sub-disciplines. At least one engineering design course (*) must be taken prior to CIV ENGR 578. If more than one course is taken from a subdiscipline, then the additional course(s) will be counted towards the Technical and Professional Electives Requirement.		12
Environmental Chemistry		
CIV ENGR 500	Water Chemistry	
SOIL SCI 621	Soil and Environmental Chemistry	
Health Hazards and Risk Assessment		
CIV ENGR 422	Elements of Public Health Engineering	
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	
POP HLTH/ ENVIR ST 502	Air Pollution and Human Health	
Hydraulics		
CIV ENGR 410	Hydraulic Engineering	
CIV ENGR 411	Open Channel Hydraulics	
Surface Water Resources and Hydrology		
BSE 473	Water Management Systems	
BSE 571	Small Watershed Engineering	
CIV ENGR 414	Hydrologic Design *	
CIV ENGR 415	Hydrology	
Groundwater, Soils, and Sediments		
CIV ENGR 412	Groundwater Hydraulics	
GEOSCI/ G L E 627	Hydrogeology	
Water and Wastewater		
CIV ENGR 426	Design of Wastewater Treatment Plants *	
CIV ENGR 428	Water Treatment Plant Design *	
CIV ENGR 521	Membrane Science and Technology	
Air Quality and Control		
CIV ENGR 423	Air Pollution Effects, Measurement and Control	
Solid and Hazardous Waste		
CIV ENGR 427	Solid and Hazardous Wastes Engineering *	
CIV ENGR 522	Hazardous Waste Management *	
Energy and Environment		
BSE/ ENVIR ST 367	Renewable Energy Systems	
CBE 512	Energy Technologies and Sustainability	
CIV ENGR/ G L E 421	Environmental Sustainability Engineering	
CIV ENGR/ G L E 535	Wind Energy Balance-of-Plant Design *	
GEOSCI/ ENVIR ST 411	Energy Resources	
Total Credits		**12**

Professional Electives

Note: Courses taken to meet this requirement may not be used to meet the environmental engineering breadth requirement.

Select 14 credits of coursework that meets at least one of the following criteria:

- Any engineering course numbered 300 or higher, excluding E P D and INTEREGR. Up to six credits of independent study (e.g. CIV ENGR 699 Independent Study and others) may be counted
- Any intermediate or advanced-level course[1] from atmospheric and oceanic sciences, botany, chemistry, geography, geoscience, mathematics[2], microbiology, molecular and environmental toxicology, physics, population health sciences, soil science, statistics[2], or zoology
- Up to three credits of any intermediate or advanced-level course from agricultural and applied economics, economics, general business, management and human resources, or INTEREGR 303 Applied Leadership Competencies in Engineering
- Up to three credits of CIV ENGR 1 Cooperative Education Program

[1] Courses with social science, humanities, or literature breadth (H, L, S, W, X, Y, Z) cannot be used

[2] Transfer/test math elective credits for calculus or STAT 301 Introduction to Statistical Methods may not be used to fulfill Professional Electives

COMMUNICATIONS

Code	Title	Credits
Communications A (choose one)		**3**
ENGL 100	Introduction to College Composition	
LSC 100	Science and Storytelling	
COM ARTS 100	Introduction to Speech Composition	
ESL 118	Academic Writing II	
Speech-Related Course (choose one)		**2**
INTEREGR 275	Technical Presentations (was EPD 275) [1]	
COM ARTS 181	Elements of Speech-Honors Course	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
Writing-Related Course		**3**
INTEREGR 397	Engineering Communication	
Total Credits		**8**

[1] INTEREGR 275 Technical Presentations is strongly recommended to satisfy this requirements.

LIBERAL STUDIES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		**16**
Complete Requirements (p. 254) [1]		
Requirements specific to Environmental Engineering:		
An economics course must be selected from the following list:		
ECON 101	Principles of Microeconomics	
ECON 102	Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
A minimum of three credits of environmental studies course that meets the breadth designations of Humanities, Literature, and/or Social Studies. Courses that also carry breadth designations of Biological Sciences, Natural Sciences, or Physical Sciences will not count towards this requirement.		
Total Credits		**16**

[1] All liberal studies credits must be identified with the letter H, S, L, or Z. Language courses are acceptable without the letter and are considered humanities. An economics elective and an environmental studies elective are required.
Note: See an environmental engineering advisor for additional information.

HONORS IN RESEARCH

Students in environmental engineering that have completed at least two semesters on the Madison campus with a cumulative GPA of at least 3.5 may apply to participate in the Honors in Research program. Students may register for 1 to 3 credits per semester. A grade of P (Progress) will be assigned each semester until the student completes the honors in research program or drops out of the program, at which time a final grade is assigned (based on research progress and the written thesis, if completed). This becomes the grade for all credits taken in CIV ENGR 489 Honors in Research.

A senior thesis worth 3 credits of CIV ENGR 489 is required. The senior thesis is a written document reporting on a substantial piece of work that is prepared in the style of a graduate thesis. The thesis advisor determines the grade which the student receives for the thesis. A bound copy of the thesis must be submitted to the Department of Civil and Environmental Engineering office to complete the program.

The designation "Honors in Research" will be recorded on the student's transcript if the following criteria are met:

1. Satisfaction of requirements for an undergraduate degree in Environmental Engineering.
2. A cumulative grade-point average of at least 3.3.
3. Completion of a total of at least 8 credits in CIV ENGR 489.
4. Completion of a senior honors thesis with a final grade of B or better.

Students interested in the Honors in Research program should contact their advisor or the BSEnvE chair for more information. Applications to the program are to be submitted to the BSEnvE chair with a supporting letter from the student's academic and thesis advisors. Decisions regarding acceptance are made by the BSEnvE chair.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and

welfare, as well as global, cultural, social, environmental, and economic factors

3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

FOUR-YEAR PLAN

FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
CHEM 109	5	E M A 201[1]	3
GEOSCI 100 or 106	3	INTEREGR 170	3
Communications A	3	CIV ENGR 159	2
		Environmental Studies	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 319 or 320	3
STAT 324 or I SY E 210	3	E M A 202	3
CIV ENGR 320	3	CIV ENGR 325	3
Biology	3	CIV ENGR/G L E 291	4
Ethnic Studies	3	INTEREGR 275 (was EPD 275)	2
	16		**15**

Third Year

Fall	Credits	Spring	Credits
CIV ENGR 310	3	CIV ENGR 311	3
CIV ENGR 324	3	CIV ENGR 498	3
PHYSICS 202 or 208	5	ECON 101	4
INTEREGR 397	3	Lab Course	3
Liberal Studies	3	Env Engr Breadth #1	3
	17		**16**

Fourth Year

Fall	Credits	Spring	Credits
CIV ENGR 494	3	CIV ENGR 578	4
Env Engr Breadth #2	3	Env Engr Breadth #4	3
Env Engr Breadth #3	3	Professional Elective	3
Professional Elective	3	Professional Elective	3
Professional Elective	2	Professional Elective	3
Liberal Studies	3		
	17		**16**

Total Credits 128

[1] E M A 201 Statics requires a minimum grade of C.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

Licensure as a Professional Engineer is expected of environmental engineers. Information on steps needed to obtain licensure is available from the National Council for the Examination of Engineers and Surveyors (NCEES) at https://ncees.org/engineering/ .

ACCREDITATION

ACCREDITATION

Environmental Engineering BS is seeking accreditation from the Engineering Accreditation Commission of ABET (https://www.abet.org/).

Application for accreditation was completed in 2024, with an ABET decision forthcoming in August 2025. If accreditation is awarded, it may be retroactively applied to those who graduated in Academic Year 2023-24.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. Design and construct both natural and built processes and systems to efficiently meet determined needs using technical knowledge; modern tools; design principles; ethical practice; and communication, leadership, and team skills.
2. Utilize measurement and analysis tools along with experimental data in investigating natural and built systems.
3. Understand and incorporate economic, environmental, political, social, safety and global considerations in design, investigation and construction of natural and built systems.
4. Engage in lifelong learning to keep pace with the continuous evolution of policies, procedures, technologies and tools for engineering analysis, design, and decision making.
5. Serve others through participation in professional and/or civic activities and responsibilities.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Environmental Engineering Undergraduate Program website. (https://engineering.wisc.edu/programs/degrees/environmental-engineering-bs/) (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

GEOLOGICAL ENGINEERING, BS

Geological engineering (GLE) brings the fields of geology and engineering to solve challenges in natural and built environments. It offers opportunities to work outdoors; help communities grow, evolve, and respond to climate change; and guide the sustainable use of Earth's natural resources by:

- Solving issues with rock and soils
- Mitigating the risk of floods, landslides, earthquakes, and other natural hazards
- Managing groundwater and surface water to provide safe drinking water
- Designing and building foundation systems, transportation facilities, dams, tunnels, and other critical infrastructure
- Harnessing and storing alternative energy sources like wind, solar, and geothermal
- Creating systems for recycling, reusing, and disposing of solid and hazardous waste
- Remediating contaminated soil and water

Geological engineers are in demand as society adapts to climate change and resource depletion. Professionals in this field help us sustainably overcome the grand challenges we face in meeting our energy, infrastructure, and resource needs.

At the University of Wisconsin–Madison, geological engineering students excel with hands-on opportunities in well-equipped labs (https://engineering.wisc.edu/blog/gle-spotlight-sydney-klinzing-reflects-on-undergrad-research-and-student-life/), computer facilities, and field research sites. We study minerals, rocks, soil, and the history of the Earth to understand the natural world and how we can live and work in concert with it.

You will learn from faculty and staff from the College of Engineering and the College of Letters and Science, as well as practicing engineers. You'll use the tools and technology that geological engineers use every day, and you'll apply your knowledge to create multidisciplinary solutions for real-world challenges in our capstone design course (https://engineering.wisc.edu/blog/cee-capstone-course-wins-7th-ncees-award-for-renewable-energy-project/).

As a student in our program, you can increase your career potential by earning a dual major in geological engineering and geology and geophysics (https://guide.wisc.edu/undergraduate/letters-science/geoscience/geology-geophysics-bs/) in a single 126-credit program, with no extra coursework. There are also a variety of certificate programs that you can pair with your degree, including two options for sustainable energy, to set yourself up for success.

We encourage students to take the Fundamentals of Engineering (FE) exam before or shortly after graduating (https://engineering.wisc.edu/blog/taking-the-fe-exam-as-an-undergrad/), which is the first step in professional engineering licensure. Geological engineering students surpasses the national average, ensuring our graduates are well-prepared for their careers.

Geological engineering (https://www.youtube.com/watch/?v=OAadIhKvleI) alumni from our program find rewarding careers with planning and design consulting firms; the natural resource sector; construction companies; energy developers and providers; and city/county, state, and federal agencies. Typical entry-level position titles include geological engineer, geotechnical engineer (https://engineering.wisc.edu/blog/geological-engineering-degree-sparks-rewarding-career-for-devin-welch/), geologist, design engineer, and project engineer.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/

progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

Students must complete the College of Engineering Liberal Studies Requirements (http://guide.wisc.edu/undergraduate/engineering/#requirementstext).

Students completing the geological engineering degree are also eligible to earn an additional major in geology and geophysics with no additional coursework. Students must contact an advisor to complete the necessary paperwork to declare the additional geology and geophysics major.

The following curriculum applies to students admitted to the geological engineering degree program.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics		13
Engineering Principles and Professional Issues		11-14
Physical Science, Engineering Science, and Geoscience		44
Required Geological Engineering Courses		19
Technical Electives		15
	Geological Engineering Design	
Communication Skills		8-9
Liberal Studies Electives		16
Fundamentals of Engineering Exam		
Total Credits		**126**

MATHEMATICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
Total Credits		**13**

ENGINEERING PRINCIPLES AND PROFESSIONAL ISSUES

Code	Title	Credits
STAT 324	Introduction to Statistics for Science and Engineering	3
or STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
or I SY E 210	Introduction to Industrial Statistics	
CIV ENGR/G L E 291	Problem Solving Using Computer Tools	4
I SY E 313	Engineering Economic Analysis	3
Select one:		1-4
E P D 690	Special Topics in Engineering Professional Development (Topic: Core Competence in Sustainability)	
ENVIR ST/ GEOG 339	Environmental Conservation	
ENVIR ST/ PHILOS 441	Environmental Ethics	
G L E 401	Special Topics in Geological Engineering (Topic: Ethics Professionalism - GLE)	
INTEREGR 303	Applied Leadership Competencies in Engineering	
Total Credits		**11-14**

PHYSICAL SCIENCE, ENGINEERING SCIENCE AND GEOSCIENCE

Code	Title	Credits
Select one of the following:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
E M A 201	Statics (C grade or better)	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
CIV ENGR 310	Fluid Mechanics	3
GEOSCI 100	Introductory Geology: How the Earth Works	3
or GEOSCI/ ENVIR ST 106	Environmental Geology	
GEOSCI 202	Introduction to Geologic Structures	4
GEOSCI 204	Geologic Evolution of the Earth	4
GEOSCI/G L E 360	Principles of Mineralogy	3
GEOSCI/G L E 370	Elementary Petrology	3
GEOSCI/G L E 431	Sedimentary & Stratigraphy Lab	1
GEOSCI/G L E 455	Structural Geology	4
Total Credits		**44-48**

REQUIRED GEOLOGICAL ENGINEERING COURSES

Code	Title	Credits
G L E 171	Introduction to Geological Engineering	1
or INTEREGR 170	Design Practicum	
G L E/CIV ENGR 291	Problem Solving Using Computer Tools	4
G L E/ CIV ENGR 330	Soil Mechanics	3
G L E/CIV ENGR/ GEOSCI/ M S & E 474	Rock Mechanics	3
G L E 479	Geological Engineering Design	4
G L E/GEOSCI 594	Introduction to Applied Geophysics	3
G L E/GEOSCI 595	Field Methods in Applied and Engineering Geophysics	1
G L E/GEOSCI 627	Hydrogeology	4
Total Credits		**23**

TECHNICAL ELECTIVES (15 CREDITS)

Students must take a minimum 15 credits in the Technical Electives category, of which 5-6 credits must be design-focused (noted as 'D' in the tracks below), including at least one design-focused course taken prior to G L E 479 Geological Engineering Design. If students take G L E/ CIV ENGR 430 Introduction to Slope Stability and Earth Retention, G L E/CIV ENGR 432 Introduction to Shallow and Deep Foundation Systems and G L E/CIV ENGR 434 Introduction to Underground Openings Engineering, these combine to count as one design course. Additionally, if students take G L E/CIV ENGR 530 Seepage and Slopes, they can use G L E/CIV ENGR 432 and G L E/CIV ENGR 434 to count as one design credit; or, if students take G L E/CIV ENGR 532 Foundations, they can use G L E/CIV ENGR 430 and G L E/CIV ENGR 434 to count as one design credit.

The technical electives are organized into five tracks, described below. Students may select courses within these tracks to focus coursework in a particular area. However, students may complete the technical electives requirement using courses listed in multiple tracks. Suggested technical electives and associated design-focused credits (noted as 'D' in the tracks below) for each track are included below.

Students may take up to 6 credits of directed research credits as technical electives. In addition, one credit of G L E 1 Cooperative Education Program can be used as technical elective.

Energy, Minerals & Mining

Geological engineers possess knowledge and a skill set that serve society's need to manage extraction of traditional energy and mineral resources in more sustainable and efficient ways, develop renewable energy systems such as solar and wind energy sites, and to lead in new

technologies to limit carbon emissions through geological sequestration or to develop geothermal exchange fields and reservoirs.

Within this track, the 16 credits of liberal studies can be framed to match those of the Energy Institute certificate in Energy Sustainability (https://guide.wisc.edu/undergraduate/engineering/engineering-physics/engineering-energy-sustainability-certificate/).

Code	Title	Credits
BSE/ENVIR ST 367	Renewable Energy Systems	3
CBE 562	Special Topics in Chemical Engineering (Topic: Energy Sustainability)	1-3
CIV ENGR/ ENVIR ST/ GEOG 377	An Introduction to Geographic Information Systems	4
E M A 405	Practicum in Finite Elements	3
GEOSCI/ ENVIR ST 411	Energy Resources	3
GEOSCI 457	Conducted Field Trip	2
GEOSCI 459	Field Geology	6
GEOSCI 515	Principles of Economic Geology	4
G L E 401	Special Topics in Geological Engineering (D) [1]	1-3
G L E/ CIV ENGR 430	Introduction to Slope Stability and Earth Retention (D)	1
G L E/ CIV ENGR 434	Introduction to Underground Openings Engineering (D)	1
G L E/ CIV ENGR 530	Seepage and Slopes (D)	3
G L E/ CIV ENGR 535	Wind Energy Balance-of-Plant Design (D)	3
G L E/GEOSCI 757	Advanced Rock Mechanics	3
G L E 801	Special Topics in Geological Engineering (Topic: Geomechanics)	1-3

[1] Only certain G L E 401 topics count as design courses. Please consult with your academic advisor for details.

Sustainability & Environment

Methods for quantifying the long-term effects of development, natural resource extraction, and environmental damage are often neglected or misapplied in cost-benefit life cycle analysis. This track intends to educate future professionals capable of leading the field in sustainable design and construction. The Sustainability & Environment track focuses on quantification, design, and optimization in relation to the use of natural resources and construction materials/methods as well as minimizing the long-term impacts of these activities.

Code	Title	Credits
BSE/ENVIR ST 367	Renewable Energy Systems	3
CBE 562	Special Topics in Chemical Engineering (Topic: Energy Sustainability)	1-3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 427	Solid and Hazardous Wastes Engineering (D)	3
CIV ENGR 522	Hazardous Waste Management	3
CIV ENGR 619	Special Topics in Hydrology	1-3
CIV ENGR 649	Special Topics in Structural Engineering (Topic: Sustainable Construction)	1-3
GEOSCI/ ENVIR ST 411	Energy Resources	3
GEOSCI/G L E 629	Contaminant Hydrogeology (D)	3
G L E 401	Special Topics in Geological Engineering (D) [1]	1-3
G L E/ CIV ENGR 635	Remediation Geotechnics (D)	3
G L E/ CIV ENGR 732	Unsaturated Soil Geoengineering	3
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3

[1] Only certain G L E 401 Special Topics in Geological Engineering topics count as design courses. Please consult with your academic advisor for details.

Geohazards

The number of fatalities and the amount of economic loss due to natural and human-driven geohazards continue to increase. These losses may result from various geohazards, such as landslides, flooding, tsunamis, earthquakes, and volcanic eruptions. The Geohazards track aims to provide students with the necessary skills to perform analyses that minimize loss of life and economic costs associated with geohazards.

Code	Title	Credits
CIV ENGR/ ENVIR ST/ GEOG 377	An Introduction to Geographic Information Systems	4
CIV ENGR 514	Coastal Engineering (D)	2-3
E M A 405	Practicum in Finite Elements	3
GEOSCI/GEOG 320	Geomorphology	3
GEOSCI/G L E 350	Introduction to Geophysics: The Dynamic Earth	3
GEOSCI 459	Field Geology	6
G L E/ CIV ENGR 430	Introduction to Slope Stability and Earth Retention (D)	1
G L E/CIV ENGR/ ENVIR ST/ GEOSCI 444	Practical Applications of GPS Surveying	2
G L E/ CIV ENGR 530	Seepage and Slopes (D)	3

Water

Water is an essential resource for humans and ecosystems. Water is also linked to mineral and energy resource production, waste management, and land reclamation. Population growth and climate change are creating increasing challenges to this resource. Development and sustainable management of groundwater and surface water, including prevention and mitigation of water quality problems, require combined expertise in geoscience, hydrology, and water resources engineering offered through the Water track.

Code	Title	Credits
CIV ENGR 311	Hydroscience	3
CIV ENGR 412	Groundwater Hydraulics	3
CIV ENGR 414	Hydrologic Design (D)	3
CIV ENGR 415	Hydrology	3
CIV ENGR 500	Water Chemistry	3
CIV ENGR 618	Special Topics in Hydraulics and Fluid Mechanics (D) [1]	1-3
CIV ENGR 619	Special Topics in Hydrology	1-3
GEOSCI/GEOG 320	Geomorphology	3
GEOSCI/GEOG 420	Glacial and Pleistocene Geology	3
GEOSCI 430	Sedimentology and Stratigraphy	3
GEOSCI/G L E 629	Contaminant Hydrogeology (D)	3
G L E 401	Special Topics in Geological Engineering (D) [2]	1-3
G L E/ CIV ENGR 430	Introduction to Slope Stability and Earth Retention (D)	1
G L E/CIV ENGR 511	Mixing and Transport in the Environment	3
G L E/ CIV ENGR 530	Seepage and Slopes (D)	3
G L E/ CIV ENGR 732	Unsaturated Soil Geoengineering	3

[1] Must take one of these topics: "Waterfront & Coastal Planning" or "Lake & River Rehabilitation."

[2] Only certain G L E 401 Special Topics in Geological Engineering topics count as design courses. Please consult with your academic advisor for details.

Infrastructure

There are many challenges that need to be overcome to address the aging infrastructure of this country as well as to develop cost effective solutions for new infrastructure in developing nations. The Infrastructure track is developed to provide students a background that enables them to perform engineering calculations to design, construct, assess the current condition (level of safety), and develop repair and retrofit solutions for civil engineering structures resting on, or constructed in, soil or rock.

Code	Title	Credits
CIV ENGR 649	Special Topics in Structural Engineering (Topic: Sustainable Construction)	1-3
E M A 405	Practicum in Finite Elements	3
GEOSCI/GEOG 320	Geomorphology	3
GEOSCI/GEOG 420	Glacial and Pleistocene Geology	3
GEOSCI 430	Sedimentology and Stratigraphy	3
G L E 401	Special Topics in Geological Engineering (D) [1]	1-3
G L E/ CIV ENGR 430	Introduction to Slope Stability and Earth Retention (D)	1
G L E/ CIV ENGR 432	Introduction to Shallow and Deep Foundation Systems (D)	1
G L E/ CIV ENGR 434	Introduction to Underground Openings Engineering (D)	1
G L E/CIV ENGR/ ENVIR ST/ GEOSCI 444	Practical Applications of GPS Surveying	2
G L E/ CIV ENGR 530	Seepage and Slopes (D)	3
G L E/ CIV ENGR 532	Foundations (D)	3
CIV ENGR/ G L E 534	Nondestructive Evaluation	3
G L E/ CIV ENGR 535	Wind Energy Balance-of-Plant Design (D)	3
G L E/ CIV ENGR 730	Engineering Properties of Soils	3

[1] Only certain G L E 401 topics count as design courses. Please consult with your academic advisor for details.

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations (was EPD 275)	2
or COM ARTS 181	Elements of Speech-Honors Course	
or COM ARTS 262	Argumentation and Debate	
or COM ARTS 266	Theory and Practice of Group Discussion	
INTEREGR 397	Engineering Communication	3
Total Credits		**8**

LIBERAL STUDIES (16 CREDITS)

Students must complete the **16 credits** of College of Engineering Liberal Studies Requirements (http://guide.wisc.edu/undergraduate/engineering/#requirementstext).

FUNDAMENTALS OF ENGINEERING EXAM

All students must take the Fundamentals of Engineering exam.

HONORS IN RESEARCH

Students in geological engineering that have completed at least two semesters on the Madison campus with a cumulative GPA of **at least** 3.5 may apply to participate in the Honors in Research program. Students may register for 1 to 3 credits per semester. A grade of P (Progress) will be assigned each semester until the student completes the honors in research program or drops out of the program, at which time a final grade is assigned (based on research progress and the written thesis, if completed). This becomes the grade for all credits taken in G L E 489 Honors in Research.

A senior thesis worth 3 credits of G L E 489 Honors in Research is required. The senior thesis is a written document reporting on a substantial piece of work that is prepared in the style of a graduate thesis. The thesis advisor determines the grade which the student receives for the thesis. A bound copy of the thesis must be submitted to the geological engineering office to complete the program.

The designation "Honors in Research" will be recorded on the student's transcript if the following criteria are met:

1. Satisfaction of requirements for an undergraduate degree in Geological Engineering.
2. A cumulative grade-point average of at least 3.3.
3. Completion of a total of at least 8 credits in G L E 489 Honors in Research.
4. Completion of a senior honors thesis with a final grade of B or better.

Students interested in the Honors in Research program should contact their advisor or the G L E director for more information. Applications to the program are to be submitted to the G L E director with a supporting letter from the student's academic and thesis advisors. Decisions regarding acceptance are made by the G L E director.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Sample Four-Year Plan

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
CHEM 109	5	E M A 201	3
GEOSCI 100 or 106	3	GEOSCI 204	4
Communications A	3	G L E 171	1
		Liberal Studies Elective	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	CIV ENGR 310	3
E M A 202	3	E M A 303	3
GEOSCI/G L E 360	3	PHYSICS 202 or 208	5
GEOSCI 202	4	GEOSCI/G L E 370	3
CIV ENGR/G L E 291	4	Liberal Studies Elective	3
	18		**17**

Third Year

Fall	Credits	Spring	Credits
STAT 324 or 311	3	Technical Elective	3
Technical Elective	3	Professional Issues	1-4
CIV ENGR/G L E 330	3	G L E/CIV ENGR/ GEOSCI/M S & E 474	3
G L E/GEOSCI 431	1	GEOSCI/G L E 455	4
Liberal Studies Elective	3	INTEREGR 397	3
INTEREGR 275, COM ARTS 181, COM ARTS 262, or COM ARTS 266	2-3		
	15-16		**14-17**

Fourth Year

Fall	Credits	Spring	Credits
Ethnic Studies	3	G L E 479	4
G L E/GEOSCI 594	3	Liberal Studies Elective	3
G L E/GEOSCI 595	1	I SY E 313	3
G L E/GEOSCI 627	4	Technical Elective	3
Technical Elective (design)	3	Technical Elective (design)	3
	14		**16**

Total Credits 126-130

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

LABS AND FACILITIES

The geological engineering program utilizes laboratories that are shared with other departments. They include:

Land Information and Surveying Laboratories
Fluid Mechanics Laboratory
Materials Testing Laboratory
Geology and Hydrogeology Laboratories
Rock Mechanics Laboratory
Geoengineering Laboratories

SCHOLARSHIPS

College of Engineering Scholarships (https://engineering.wisc.edu/admissions/scholarships/)

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Geological and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. apply geological engineering principles, analyses, and synthesis to design and implement projects in the natural and built environment;
2. incorporate economic, environmental, political, ethical, social, safety, and global considerations to generate sustainable solutions in the natural and built environment;
3. exhibit strong communication, leadership, and teamwork skills;
4. serve others through professional responsibility and participation in professional and public activities and good citizenship; and
5. demonstrate a continuing commitment to and interest in their own and others' education.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Geological Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/geological-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

ELECTRICAL AND COMPUTER ENGINEERING

The Department of Electrical and Computer Engineering is at the forefront of technological innovation, preparing students to design, analyze, and improve the systems that power modern life. With a curriculum grounded in mathematics, physics, and computing, students gain a strong technical foundation while exploring specialized areas such as artificial intelligence, embedded systems, semiconductor engineering, and renewable energy. Hands-on learning is a key component, with lab courses, research opportunities, and interdisciplinary electives allowing students to develop both technical expertise and problem-solving skills. Whether pursuing careers in industry or advanced research, graduates are equipped to become leaders in their fields.

Electrical engineering focuses on the design and development of systems essential to a wide range of industries. Electrical engineers create technologies such as semiconductor chips, mobile computing systems, wind, solar, and fusion power generators, robotic actuators, medical imaging devices, electric vehicles, and avionics. They also develop algorithms that enable these systems to function efficiently. The

curriculum covers fundamental principles, providing students with the ability to analyze, design, and improve these systems throughout their careers. Technical electives allow students to specialize in emerging fields while gaining practical experience through laboratory courses and design projects.

Computer engineering bridges hardware and software, focusing on the design and manufacturing of computing systems that drive modern technology. Computer engineers work with cutting-edge semiconductor technologies to develop hardware for applications ranging from consumer electronics to defense systems. They also design and optimize systems that process, store, and communicate digital information, with applications in wearable technology, cloud computing, embedded systems, and artificial intelligence. The program includes coursework in digital systems, circuits, and programming, enabling students to develop both theoretical and practical expertise. Like electrical engineering, computer engineering offers opportunities for specialization, hands-on learning, and research in rapidly evolving fields.

Technical elective freedom in both curricula makes it possible for students to choose from approximately 50 specialized courses at the junior and senior levels in electrical and computer engineering areas, as well as courses from other departments. In both curricula, students can choose a broad program covering an introductory treatment of a variety of areas or focus in one or two specialized areas. Students in both degrees have the opportunity to pursue transcripted named options in Machine Learning and Data Science or in Semiconductor Engineering.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Computer Engineering, BS (p. 296)
- Electrical Engineering, BS (p. 303)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

CAE (Computer-Aided Engineering) and ECE Laboratory Computers
Center for Plasma Theory and Computation Computers
Cross-Disciplinary Electromagnetics Laboratory
Digital Engineering Lab
Digital Logic and Microprocessor Lab
Electronics Lab
Embedded Systems Lab
Grainger Electric Machines and Power Lab
High-Frequency Engineering Lab
HSX Plasma Laboratory
Integrated Circuit Facility
Lab for Molecular Scale Engineering
Photonics Lab
Plasma Processing & Technology Laboratory
Plexus Collaboratory
Power Electronics Lab
Qualcomm Design Labs
Signal Processing Lab
Vacuum Electronic Devices Lab
Wisconsin Advanced Network Design, Experimentation, and Research (WANDER) Lab

COMPUTER ENGINEERING, BS

As a computer engineering major, you will learn how to design and manufacture computer hardware using the latest semiconductor chip technologies, which form the foundation of everything from automobiles to household appliances to defense systems. In addition, you will learn how to design and analyze systems that process, store and convey digital information, and to develop efficient software for them. Examples of systems that computer engineering majors explore include wearable devices, mobile computing devices like smartphones and tablets, personal computers, servers deployed in the cloud, and many types of embedded systems. You can also specialize in emerging technologies such as semiconductor engineering (p. 302) or machine learning and data science (p. 301) and earn a named option on your transcript.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are

considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the computer engineering degree program.

Code	Title	Credits
Mathematics		19
Science		20-21
Computer Engineering Core		33
Computer Engineering Advanced Electives		16
Professional Electives		9
Communication Skills		6
Liberal Studies		15
Free Elective		2
Total Credits		**120**

MATHEMATICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables [1]	4
MATH/ COMP SCI 240	Introduction to Discrete Mathematics	3
or MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
Probability/Statistics Elective (select one)		3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
MATH/STAT 431	Introduction to the Theory of Probability	
E C E 331	Introduction to Random Signal Analysis and Statistics	
Total Credits		**19**

[1] MATH 375 and MATH 376 taken in sequence will fulfill the requirement for MATH 234.

SCIENCE

Code	Title	Credits
COMP SCI 300	Programming II	3
COMP SCI 400	Programming III	3
PHYSICS 201	General Physics [1]	5
or PHYSICS 207	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Select one of the following:		4-5
CHEM 109	Advanced General Chemistry	
CHEM 103	General Chemistry I	
CHEM 104	General Chemistry II	
Total Credits		**20-21**

[1] Students may also fulfill this requirement by taking E M A 201 Statics and E M A 202 Dynamics.

COMPUTER ENGINEERING CORE

Code	Title	Credits
E C E 203	Signals, Information, and Computation	3
E C E 210	Introductory Experience in Electrical Engineering	2
E C E 222	Electrodynamics I	4
E C E 230	Circuit Analysis	4
E C E/ COMP SCI 252	Introduction to Computer Engineering	3
E C E 270	Circuits Laboratory I	1
E C E 315	Introductory Microprocessor Laboratory	1
E C E 340	Electronic Circuits I	3
E C E/ COMP SCI 352	Digital System Fundamentals	3
E C E 353	Introduction to Microprocessor Systems	3
E C E/ COMP SCI 354	Machine Organization and Programming	3
E C E 551	Digital System Design and Synthesis	3
Total Credits		**33**

COMPUTER ENGINEERING ADVANCED ELECTIVES

Code	Title	Credits
Electronic Circuits Elective		
Select one of the following:		3
E C E 342	Electronic Circuits II	
E C E 447	Applied Communications Systems	
E C E 541	Analog MOS Integrated Circuit Design	
E C E 542	Introduction to Microelectromechanical Systems	
E C E 548	Integrated Circuit Design	
E C E 555	Digital Circuits and Components	
Systems Software Elective [1]		
Select one of the following:		3
E C E/ COMP SCI 506	Software Engineering	
COMP SCI 536	Introduction to Programming Languages and Compilers	
COMP SCI 537	Introduction to Operating Systems	
COMP SCI 564	Database Management Systems: Design and Implementation	
Capstone Design		
Select one of the following:		4
E C E 453	Embedded Microprocessor System Design	
E C E 454	Mobile Computing Laboratory [2]	
E C E 455	Capstone Design in Electrical and Computer Engineering	
E C E 554	Digital Engineering Laboratory	
CMPE Elective I		
Select one of the following:		3
E C E 537	Communication Networks	
E C E/ COMP SCI 552	Introduction to Computer Architecture	
E C E 553	Testing and Testable Design of Digital Systems	
E C E 556	Design Automation of Digital Systems	
CMPE Elective II		
Select one of the following:		3
Select from E C E 399 - E C E 699		
Select from COMP SCI 400 - COMP SCI 699 [2]		
Total Credits		**16**

[1] If a 4-credit course is taken, one credit may be used toward satisfying the professional elective and free elective requirement.

[2] E C E 454 Mobile Computing Laboratory and COMP SCI 407 Foundations of Mobile Systems and Applications cannot both be taken for degree credit.

PROFESSIONAL ELECTIVES

Code	Title	Credits
Courses to be taken in an area of professional interest. The following courses are acceptable as professional electives if the courses are not used to meet any other degree requirements.		9
E C E 1	Cooperative Education Program (One co-op credit can count towards professional electives.)	
E C E 204	Data Science & Engineering	
E C E/ PHYSICS 235	Introduction to Solid State Electronics	
E C E 320	Electrodynamics II	
E C E 330	Signals and Systems	
E C E 331	Introduction to Random Signal Analysis and Statistics	

E C E 332	Feedback Control Systems
E C E 334	State Space Systems Analysis
E C E 335	Microelectronic Devices
E C E 342	Electronic Circuits II (may be used if not already used as an Electronic Circuits Advanced Elective)
E C E 355	Electromechanical Energy Conversion
E C E 356	Electric Power Processing for Alternative Energy Systems
E C E courses numbered 370 and higher	
COMP SCI courses numbered 400 and higher	
MATH 319	Techniques in Ordinary Differential Equations
MATH 320	Linear Algebra and Differential Equations [1]
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations
MATH 340	Elementary Matrix and Linear Algebra [1]
MATH 341	Linear Algebra
MATH courses numbered 400 and higher	
STAT courses numbered 400 and higher	
Any biological sciences course that is designated as intermediate or advanced level	
Any physical science course that is designated as intermediate or advanced level	
Any natural science course that is designated as advanced level, except that math, computer sciences, and statistics courses must follow the above criteria	
Engineering courses numbered 300 and higher that are not E C E or cross-listed with E C E	
Up to six credits of Professional Electives can be taken from School of Business classes numbered 300 and higher.	
DANCE 560	Current Topics in Dance: Workshop (Making Digital Lighting Controls)

[1] Students may only earn degree credit for MATH 320 Linear Algebra and Differential Equations or MATH 340 Elementary Matrix and Linear Algebra, not both.

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or LSC 100	Science and Storytelling	
or COM ARTS 100	Introduction to Speech Composition	
or COM ARTS 181	Elements of Speech-Honors Course	
or ESL 118	Academic Writing II	
INTEREGR 397	Engineering Communication	3
Total Credits		**6**

LIBERAL STUDIES ELECTIVES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete requirements (p. 254)		15
Total Credits		**15**

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

Qualified undergraduates may earn an Honors in Research designation in their transcript. The Honors in Research program gives an undergraduate the opportunity to participate in a research project under the direction of a faculty member. It is expected that the student will be actively involved in research that could lead to new knowledge. The project can be independent or a component of a larger team effort.

Admission Requirements include:

1. Complete at least one semester on the UW-Madison campus,
2. Have a cumulative GPA of at least 3.5,
3. Major in Computer Engineering (CMPE) or Electrical Engineering (EE),
4. Identify an ECE faculty advisor who is willing to supervise the research project.

Students admitted to the program should register for one to three credits of E C E 489 Honors in Research. A thesis worth three credits of E C E 489 Honors in Research is required. The thesis is a written document that details the objectives of the project, the methods used to carry out the research, and the results of the research activity. The thesis must be approved by the faculty advisor and the student is encouraged to present a seminar.

The "Honors in Research" designation will be awarded to graduates who:

1. Complete either the CMPE or EE degree requirements.
2. Have a cumulative GPA of at least 3.3 at graduation.
3. Complete a total of at least six credits of E C E 489 Honors in Research.
4. Receive a final grade of at least B in E C E 489 Honors in Research.

NAMED OPTION

View as listView as grid

- **COMPUTER ENGINEERING: MACHINE LEARNING AND DATA SCIENCE, BS (P. 301)**
- **COMPUTER ENGINEERING: SEMICONDUCTOR ENGINEERING, BS (P. 302)**

TOTAL DEGREE CREDITS: 120

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
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LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
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6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
E C E/COMP SCI 252	3	PHYSICS 201	5
or Communications A		E C E 210	2
CHEM 103, 104, or 109	4-5	Communications A or	3
Liberal Studies Elective	3	E C E/COMP SCI 252	
	15-16		**14**

Second Year

Fall	Credits	Spring	Credits
E C E 203	3	MATH/COMP SCI 240	3
E C E/COMP SCI 352	3	E C E 222	4
MATH 234	4	E C E 230	4
PHYSICS 202	5	E C E 270	1
		COMP SCI 300	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
E C E 353	3	E C E 315	1
E C E 340	3	E C E 551	3
E C E/COMP SCI 354	3	Circuits Elective	3
COMP SCI 400	3	Probability and Statistics Elective	3
Liberal Studies Elective	3	INTEREGR 397	3
		Liberal Studies Elective	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
E C E 453, 454, 455, or 554	4	COMP SCI/E C E 506, 536, 537, or 564	3
Computer Engineering Elective	3	Computer Engineering Elective	3
Professional Elective	3	Professional Elective	3
Liberal Studies Elective	3	Liberal Studies Elective	3
Professional Elective	3	Free Elective	2
	16		**14**

Total Credits 120-121

ADVISING AND CAREERS

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ADVISING

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ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Electrical, Computer, Communication, Telecommunication(s), and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Within the first few years after graduation, our graduates should be engaged in activities such as:

1. Employment in industry, government, academia, or non-profit using their degree knowledge or skills for professional functions such as teaching, research and development, quality control, technical marketing, intellectual property management, or sales. Graduates may eventually reach a leadership position supervising others.
2. Continuing education through self-study or short courses and workshops through their employer, local or online educational institutions, or attendance at professional events such as conferences.
3. Taking a principal role in starting a new business or product line.
4. Pursuing a postgraduate degree.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Computer Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/computer-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

COMPUTER ENGINEERING: MACHINE LEARNING AND DATA SCIENCE, BS

The Machine Learning and Data Science option in Computer Engineering prepares students for a career in computer engineering with an emphasis on machine learning and data science. The purpose of this option is to provide guidance and recognition for students pursuing this career path. The option uses 16-17 of the elective credits within the 120-credit Computer Engineering BS degree program to focus on the mathematics, tools, and practices associated with machine learning and data science in engineering. Students selecting this option must submit an option declaration form (https://engineering.wisc.edu/programs/named-options/declaration/) to the dean's office in Engineering Hall.

REQUIREMENTS

REQUIREMENTS

MACHINE LEARNING AND DATA SCIENCE REQUIRED COURSES

Code	Title	Credits
E C E 331	Introduction to Random Signal Analysis and Statistics (typically offered fall) [2]	3
E C E/COMP SCI/ M E 532	Matrix Methods in Machine Learning [1]	3
E C E/COMP SCI/ M E 539	Introduction to Artificial Neural Networks [3]	3
COMP SCI 564	Database Management Systems: Design and Implementation [4]	4
Total Credits		**13**

1 This course can be taken as a Professional Elective.
2 This course fulfills the Probability requirement.
3 This course can be taken as a CMPE Elective II.
4 This course fulfills the System Software Requirement.

MACHINE LEARNING AND DATA SCIENCE ELECTIVE

Code	Title	Credits
Choose one as an Advanced, Professional, or Free Elective:		3-4
E C E 431	Digital Signal Processing (typically offered fall) [1]	
E C E/COMP SCI/ I SY E 524	Introduction to Optimization [1]	
E C E/ COMP SCI 533	Image Processing (typically offered fall) [1]	
E C E/ COMP SCI 561	Probability and Information Theory in Machine Learning (typically offered fall)	
E C E/I SY E 570	Ethics of Data for Engineers	

COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization [1]
COMP SCI 540	Introduction to Artificial Intelligence
COMP SCI/ B M I 567	Biomedical Image Analysis [1]
COMP SCI/ B M I 576	Introduction to Bioinformatics
COMP SCI 577	Introduction to Algorithms
I SY E 412	Fundamentals of Industrial Data Analytics
I SY E 521	Machine Learning in Action for Industrial Engineers
L I S 461	Data and Algorithms: Ethics and Policy
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes [1]
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus [1]
M S & E 460	Introduction to Computational Materials Science and Engineering [1]
STAT 421	Applied Categorical Data Analysis [1]
STAT/M E 424	Statistical Experimental Design [1]
STAT 456	Applied Multivariate Analysis [1]
STAT 461	Financial Statistics [1]

[1] This course has additional requisites not required for the BS in Computer Engineering.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
E C E/COMP SCI 252	3	PHYSICS 201	5
or Communications A		E C E 210	2
CHEM 103	4	Communications A or	3
Liberal Studies Elective	3	E C E/COMP SCI 252	
	15		**14**

Second Year

Fall	Credits	Spring	Credits
E C E 203	3	MATH/COMP SCI 240	3
E C E/COMP SCI 352	3	E C E 222	4
MATH 234	4	E C E 230	4
PHYSICS 202	5	E C E 270	1
		COMP SCI 300	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
E C E 353	3	E C E 315	1
E C E 340	3	E C E 551	3
E C E 331	3	Circuits Elective	3
E C E/COMP SCI 354	3	INTEREGR 397	3
COMP SCI 400	3	Liberal Studies Elective	3
		Liberal Studies Elective	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
E C E/COMP SCI/ M E 532	3	COMP SCI 564	4
E C E 453, 454, 455, or 554	4	E C E/COMP SCI/ M E 539	3
Computer Engineering Elective	3	Machine Learning and Data Science Elective	3
Liberal Studies Elective	3	Liberal Studies Elective	3
Professional Elective	3	Free Elective	1
	16		**14**

Total Credits 120

COMPUTER ENGINEERING: SEMICONDUCTOR ENGINEERING, BS

The Semiconductor Engineering named option in Computer Engineering prepares students for a career in computer engineering with an emphasis on engineering semiconductor-based devices and systems. This named option provides guidance and recognition for students pursuing this career path. The option uses 20 of the elective credits within the 120-credit Computer Engineering BS degree program to focus on the science, tools, and practices associated with semiconductor engineering. Students selecting this option must submit an option declaration form (https://engineering.wisc.edu/programs/named-options/declaration/) to the dean's office in Engineering Hall.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Required Courses		
E C E/PHYSICS 235	Introduction to Solid State Electronics [1]	3
E C E 271	Circuits Laboratory II [2]	1
E C E 305	Semiconductor Properties Laboratory [2]	1
E C E 335	Microelectronic Devices [1]	3
E C E 555	Digital Circuits and Components [3]	3
E C E 556	Design Automation of Digital Systems [4]	3
Electives		
Choose two as Advanced or Professional Electives:		6-7
E C E 445	Semiconductor Physics and Devices [1, 5]	
E C E 453	Embedded Microprocessor System Design [6]	
E C E 535	Introduction to Quantum Sensing [1, 5]	

E C E 541	Analog MOS Integrated Circuit Design [1, 3]	
E C E 548	Integrated Circuit Design [1, 3]	
E C E 549	Integrated Circuit Fabrication Laboratory [1, 5]	
E C E 553	Testing and Testable Design of Digital Systems [4]	
Total Credits		**20-21**

1 This course can be taken as a Professional Elective.
2 This course replaces a free elective.
3 This course can be taken as a CMPE Advanced Elective in Electronic Circuits.
4 This course can be taken as a CMPE Elective I.
5 This course can be taken as a CMPE Elective II.
6 This course can be taken as Capstone Design.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
E C E/COMP SCI 252	3	PHYSICS 201	5
or Communications A		E C E 210	2
CHEM 103, 104, or 109	4-5	Communications A or	3
Liberal Studies Elective	3	E C E/COMP SCI 252	
	15-16		**14**

Second Year

Fall	Credits	Spring	Credits
E C E 203	3	MATH/COMP SCI 240	3
E C E/COMP SCI 352	3	E C E 222	4
MATH 234	4	E C E 230	4
PHYSICS 202	5	E C E 270	1
		COMP SCI 300	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
E C E 271	1	E C E/PHYSICS 235	3
E C E 353	3	E C E 551	3
E C E 340	3	E C E 555	3
E C E/COMP SCI 354	3	INTEREGR 397	3
COMP SCI 400	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
E C E 315	1	E C E 453	4
E C E 335	3	COMP SCI/E C E 506, 536, 537, or 564	3
E C E 305	1	Computer Engineering Elective[1]	3
E C E 556	3	Professional Elective[1]	3
Probability and Statistics Elective	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	14		**16**

Total Credits 120-121

1 Computer Engineering Elective II: E C E 445 Semiconductor Physics and Devices, E C E 535 Introduction to Quantum Sensing, E C E 549 Integrated Circuit Fabrication Laboratory, or E C E 553 Testing and Testable Design of Digital Systems
Professional Elective: E C E 541 Analog MOS Integrated Circuit Design, E C E 548 Integrated Circuit Design, E C E 549 Integrated Circuit Fabrication Laboratory, or E C E 553 Testing and Testable Design of Digital Systems

ELECTRICAL ENGINEERING, BS

Today, electrical engineering has applications in every aspect of our daily lives. Electrical engineers are responsible for creating a wide range of devices that are used regularly, such as mobile computing systems, semiconductor chips, wind, solar and fusion power generators, robotic actuators, MRI machines, X-ray scanners, electric vehicles, and avionics. They also work on developing the algorithms that enable these machines to function according to our needs. As an electrical engineering major, you will learn the fundamental principles behind the operation of these devices and systems. You will gain the skills to analyze and design them, as well as improve upon existing technology throughout your career. You can also specialize in emerging technologies such as semiconductor engineering (p. 310) or machine learning and data science (p. 309) and earn a named option on your transcript.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission

is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the electrical engineering degree program.

Code	Title	Credits
Mathematics		16
Science		17-18
Electrical Engineering Core		32
Electrical Engineering Advanced Electives		24
Professional Electives		9
Communication Skills		6
Liberal Studies		15
Free Elective		1
Total Credits		**120-121**

MATHEMATICS [1]

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables [2]	4
Probability and Statistics Elective		3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT/M E 424	Statistical Experimental Design	
MATH/STAT 431	Introduction to the Theory of Probability	
E C E 331	Introduction to Random Signal Analysis and Statistics	
Total Credits		**16**

[1] In additional to the courses listed in the Mathematics Requirement at least one additional course must be completed for the advanced mathematics auxiliary condition. Choose: MATH 319 Techniques in Ordinary Differential Equations, MATH 320 Linear Algebra and Differential Equations, MATH 340 Elementary Matrix and Linear Algebra, MATH 341 Linear Algebra, E C E 334 State Space Systems Analysis, or E C E/COMP SCI/M E 532 Matrix Methods in Machine Learning to satisfy the advanced math auxiliary condition. These credits count toward either professional electives or advanced elective credit depending on the course.

[2] MATH 375 and MATH 376 taken in sequence will fulfill the requirement for MATH 234, professional elective credit, and advanced math auxiliary condition.

SCIENCE

Code	Title	Credits
COMP SCI 300	Programming II	3
PHYSICS 201	General Physics [1]	5
or PHYSICS 207	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Select one of the following:		4-5
CHEM 109	Advanced General Chemistry	
CHEM 103	General Chemistry I	
CHEM 104	General Chemistry II	
Total Credits		**17-18**

[1] Students may also fulfill this requirement by taking E M A 201 Statics and E M A 202 Dynamics.

ELECTRICAL ENGINEERING CORE

Code	Title	Credits
E C E 203	Signals, Information, and Computation	3
E C E 210	Introductory Experience in Electrical Engineering	2
E C E 222	Electrodynamics I	4
E C E 230	Circuit Analysis	4
E C E/PHYSICS 235	Introduction to Solid State Electronics	3
E C E/ COMP SCI 252	Introduction to Computer Engineering	3
E C E 270	Circuits Laboratory I	1
E C E 271	Circuits Laboratory II	1
E C E 330	Signals and Systems	3
E C E 340	Electronic Circuits I	3
E C E/ COMP SCI 352	Digital System Fundamentals	3
E C E 370	Advanced Laboratory	2
Total Credits		**32**

ELECTRICAL ENGINEERING ADVANCED ELECTIVES

Students must take 24 credits of advanced electives. A minimum of 21 credits must be from at least three of the six areas. A minimum of two laboratory courses must be taken.

- At least 9 credits must be in E C E courses numbered 400 and above.
- At least one course must be a capstone design course from the following list: E C E 453 Embedded Microprocessor System Design, E C E 454 Mobile Computing Laboratory, E C E 455 Capstone Design in Electrical and Computer Engineering, E C E 554 Digital Engineering Laboratory. These courses are also indicated in the areas below with a *.
- At least one course must be MATH 319 Techniques in Ordinary Differential Equations, MATH 320 Linear Algebra and Differential Equations, MATH 340 Elementary Matrix and Linear Algebra, MATH 341 Linear Algebra, E C E 334 State Space Systems Analysis, or E C E/COMP SCI/M E 532 Matrix Methods in Machine Learning to satisfy the advanced math auxiliary condition. MATH 319 Techniques in Ordinary Differential Equations, MATH 320 Linear Algebra and Differential Equations, MATH 340 Elementary Matrix and Linear Algebra, and MATH 341 Linear Algebra count toward professional electives. E C E 334 State Space Systems Analysis and E C E/COMP SCI/M E 532 Matrix Methods in Machine Learning count as advanced electives.
- Students can count 1 credit of E C E 1 Cooperative Education Program toward advanced electives.
- Students can count up to 6 credits of E C E 399 Independent Study , E C E 489 Honors in Research or E C E 699 Advanced Independent Study towards advanced electives.
- Students can take E C E 379 Special Topics in Electrical and Computer Engineering and E C E 601 Special Topics in Electrical and Computer Engineering as advanced electives.
- Students can count up to 5 credits of COMP SCI courses numbered 500 and above (not including independent study)
- E C E courses numbered 300 that are not specified in an area can count toward the total number of advanced elective credits required.

Laboratory

Code	Title	Credits
Select at least one course from E C E 301 to E C E 317		
An additional laboratory course must be taken from the following list:		
E C E 303	Introduction to Real-Time Digital Signal Processing	
E C E 304	Electric Machines Laboratory	
E C E 305	Semiconductor Properties Laboratory	
E C E 313	Optoelectronics Lab	
E C E 315	Introductory Microprocessor Laboratory	
E C E 317	Sensors Laboratory	
E C E 432	Digital Signal Processing Laboratory	
E C E 453	Embedded Microprocessor System Design *	
E C E/B M E 462	Medical Instrumentation	
E C E 504	Electric Machine & Drive System Laboratory	
E C E 512	Power Electronics Laboratory	
E C E 545	Advanced Microwave Measurements for Communications	
E C E 549	Integrated Circuit Fabrication Laboratory	
E C E 554	Digital Engineering Laboratory *	
E C E/M E 577	Automatic Controls Laboratory	

* Course is designated as a Capstone Course

Fields & Waves

Code	Title	Credits
E C E 320	Electrodynamics II	3
E C E 420	Electromagnetic Wave Transmission	3
E C E 434	Photonics	3
E C E/N E/ PHYSICS 525	Introduction to Plasmas	3
E C E/N E/ PHYSICS 527	Plasma Confinement and Heating	3
E C E/N E 528	Plasma Processing and Technology	3
E C E 535	Introduction to Quantum Sensing	3
E C E 536	Integrated Optics and Optoelectronics	3
E C E 547	Advanced Communications Circuit Design	3

Systems & Control

Code	Title	Credits
E C E 332	Feedback Control Systems	3
E C E 334	State Space Systems Analysis	3
E C E/M E 439	Introduction to Robotics	3
E C E/M E 577	Automatic Controls Laboratory	4

Power & Machines

Code	Title	Credits
E C E 355	Electromechanical Energy Conversion	3
E C E 356	Electric Power Processing for Alternative Energy Systems	3
E C E 411	Introduction to Electric Drive Systems	3
E C E 412	Power Electronic Circuits	3
E C E 427	Electric Power Systems	3
E C E 504	Electric Machine & Drive System Laboratory	3
E C E 511	Theory and Control of Synchronous Machines	3
E C E 512	Power Electronics Laboratory	3

Communications & Signal Processing

Code	Title	Credits
E C E 331	Introduction to Random Signal Analysis and Statistics	3
E C E 401	Electro-Acoustical Engineering	3
E C E 431	Digital Signal Processing	3
E C E 432	Digital Signal Processing Laboratory	3
E C E/COMP SCI/ MATH 435	Introduction to Cryptography	3
E C E 436	Communication Systems I	3
E C E 437	Communication Systems II	3
E C E 447	Applied Communications Systems	3
E C E/COMP SCI/ M E 532	Matrix Methods in Machine Learning	3
E C E/ COMP SCI 533	Image Processing	3
E C E 537	Communication Networks	3
E C E/COMP SCI/ M E 539	Introduction to Artificial Neural Networks	3
E C E/I SY E 570	Ethics of Data for Engineers	3

Circuits & Devices

Code	Title	Credits
E C E 335	Microelectronic Devices	3
E C E 342	Electronic Circuits II	3
E C E 445	Semiconductor Physics and Devices	3
E C E/B M E 462	Medical Instrumentation	3
E C E 466	Electronics of Solids	3
E C E 541	Analog MOS Integrated Circuit Design	3
E C E 542	Introduction to Microelectromechanical Systems	3
E C E 545	Advanced Microwave Measurements for Communications	3
E C E 548	Integrated Circuit Design	3
E C E 549	Integrated Circuit Fabrication Laboratory	4
E C E 555	Digital Circuits and Components	3
E C E/M E 576	Printed and Flexible Electronics: Manufacturing, Devices, and Applications	3

Computers & Computing

Code	Title	Credits
E C E 353	Introduction to Microprocessor Systems	3
E C E/ COMP SCI 354	Machine Organization and Programming	3
E C E 453	Embedded Microprocessor System Design *	4
E C E 454	Mobile Computing Laboratory *	4
E C E/B M E 463	Computers in Medicine	3
E C E/ COMP SCI 506	Software Engineering	3
E C E 551	Digital System Design and Synthesis	3
E C E/ COMP SCI 552	Introduction to Computer Architecture	3
E C E 553	Testing and Testable Design of Digital Systems	3
E C E 554	Digital Engineering Laboratory *	4
E C E 556	Design Automation of Digital Systems	3

* Course is designated as a Capstone Course

PROFESSIONAL ELECTIVES

Code	Title	Credits
Classes to be taken in an area of professional interest. The following courses are acceptable as professional electives if the courses are not used to meet any other degree requirements.		9
MATH/ COMP SCI 240	Introduction to Discrete Mathematics	

E C E 204	Data Science & Engineering
E C E 320	Electrodynamics II
E C E 331	Introduction to Random Signal Analysis and Statistics
E C E 332	Feedback Control Systems
E C E 334	State Space Systems Analysis
E C E 335	Microelectronic Devices
E C E 342	Electronic Circuits II
E C E 353	Introduction to Microprocessor Systems
E C E/ COMP SCI 354	Machine Organization and Programming
E C E 355	Electromechanical Energy Conversion
E C E 356	Electric Power Processing for Alternative Energy Systems
E C E courses numbered 399 and higher	
COMP SCI courses numbered 400 and higher	
MATH 319	Techniques in Ordinary Differential Equations
MATH 320	Linear Algebra and Differential Equations [1]
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations
MATH 340	Elementary Matrix and Linear Algebra [1]
MATH 341	Linear Algebra
MATH courses numbered 400 and higher	
STATS courses numbered 400 and higher	
Any biological science course that is designated as intermediate or advanced	
Any physical science course that is designated as intermediate or advanced (except PHYSICS 241)	
Any natural science course that is designated as advanced except that Math, Computer Sciences, and Statistics courses must follow the above criteria	
Engineering courses numbered 300 and higher that are not E C E or cross-listed with E C E	
Up to six credits of Professional Electives can be taken from School of Business classes numbered 300 and higher.	
DANCE 560	Current Topics in Dance: Workshop (Making Digital Lighting Controls)

[1] Students may only earn degree credit for MATH 320 Linear Algebra and Differential Equations or MATH 340 Elementary Matrix and Linear Algebra, not both.

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or LSC 100	Science and Storytelling	
or COM ARTS 100	Introduction to Speech Composition	
or COM ARTS 181	Elements of Speech-Honors Course	
or ESL 118	Academic Writing II	
INTEREGR 397	Engineering Communication	3
Total Credits		**6**

LIBERAL STUDIES ELECTIVES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete requirements (p. 254)		15
Total Credits		**15**

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

Qualified undergraduates may earn an Honors in Research designation in their transcript. The Honors in Research program gives an undergraduate the opportunity to participate in a research project under the direction of a faculty member. It is expected that the student will be actively involved in research that could lead to new knowledge. The project can be independent or a component of a larger team effort.

Admission Requirements include:

1. Complete at least one semester on the UW-Madison campus,
2. Have a cumulative GPA of at least 3.5,
3. Major in Computer Engineering (CMPE) or Electrical Engineering (EE),
4. Identify an ECE faculty advisor who is willing to supervise the research project.

Students admitted to the program should register for one to three credits of E C E 489 Honors in Research. A thesis worth three credits of E C E 489 Honors in Research is required. The thesis is a written document that details the objectives of the project, the methods used to carry out the research, and the results of the research activity. The thesis must be approved by the faculty advisor and the student is encouraged to present a seminar.

The "Honors in Research" designation will be awarded to graduates who:

1. Complete either the CMPE or EE degree requirements.
2. Have a cumulative GPA of at least 3.3 at graduation.
3. Complete a total of at least six credits of E C E 489 Honors in Research.
4. Receive a final grade of at least B in E C E 489 Honors in Research.

NAMED OPTION

View as listView as grid

- **ELECTRICAL ENGINEERING: MACHINE LEARNING AND DATA SCIENCE, BS (P. 309)**
- **ELECTRICAL ENGINEERING: SEMICONDUCTOR ENGINEERING, BS (P. 310)**

TOTAL DEGREE CREDITS: 120

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	E C E/COMP SCI 252	3
CHEM 103, 104, or 109	4-5	PHYSICS 201	5
E C E 210	2	MATH 222	4
or Communications A		Communications A or	3
Liberal Studies Elective	3	E C E 210	
	14		**15**

Second Year

Fall	Credits	Spring	Credits
E C E 203	3	E C E 222	4
PHYSICS 202	5	E C E 230	4
MATH 234	4	E C E 270	1
Liberal Studies Elective	3	COMP SCI 300	3
		Free Elective	1
	15		**13**

Third Year

Fall	Credits	Spring	Credits
E C E/PHYSICS 235	3	ECE Advanced Elective	3
Statistics/Probability Elective	3	ECE Advanced Elective	3
E C E 271	1	INTEREGR 397	3
E C E 330	3	EE Advanced Lab (3XX)	1
E C E 340	3	Liberal Studies Elective	3
E C E/COMP SCI 352	3	Professional Elective (Adv Math)	3
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
E C E 370	2	ECE Advanced Elective (4XX)	3
ECE Advanced Elective	3	ECE Advanced Elective (4XX)	3
ECE Advanced Elective	3	ECE Capstone Design	4
EE Advanced Lab (3XX)	1	Professional Elective	3
Liberal Studies Elective	3	Liberal Studies Elective	3
Professional Elective	3		
	15		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students

through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Electrical, Computer, Communication, Telecommunication(s), and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Within the first few years after graduation, our graduates should be engaged in activities such as:

1. Employment in industry, government, academia, or nonprofit using their degree knowledge or skills for professional functions such as teaching, research and development, quality control, technical marketing, intellectual property management, or sales. Graduates may eventually reach a leadership position supervising others.
2. Continuing education through self-study or short courses and workshops through their employer, local or online educational institutions, or attendance at professional events such as conferences.
3. Taking a principal role in starting a new business or product line.
4. Pursuing a postgraduate degree.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Electrical Engineering Undergraduate Program website. (https://engineering.wisc.edu/programs/degrees/electrical-engineering-bs/) (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

ELECTRICAL ENGINEERING: MACHINE LEARNING AND DATA SCIENCE, BS

The Machine Learning and Data Science option in Electrical Engineering prepares students for a career in electrical engineering with an emphasis on machine learning and data science. The purpose of this option is to provide guidance and recognition for students pursuing this career path. The option uses 15-16 of the elective credits within the 120-credit Electrical Engineering BS degree program to focus on the mathematics, tools, and practices associated with machine learning and data science in engineering. Students selecting this option must submit an option declaration form (https://engineering.wisc.edu/programs/named-options/declaration/) to the dean's office in Engineering Hall.

REQUIREMENTS

REQUIREMENTS

MACHINE LEARNING AND DATA SCIENCE REQUIRED COURSES

Code	Title	Credits
E C E 331	Introduction to Random Signal Analysis and Statistics (typically offered fall) [1]	3
Choose one:		3
MATH 320	Linear Algebra and Differential Equations [2]	
MATH 340	Elementary Matrix and Linear Algebra [2]	
MATH 341	Linear Algebra [2]	
E C E/COMP SCI/ M E 532	Matrix Methods in Machine Learning [3]	3
E C E/COMP SCI/ I SY E 524	Introduction to Optimization	3
Total Credits		**12**

1. This course fulfills the Probability requirement.
2. This course can be taken as a Professional Elective and meets the advanced math auxiliary condition. MATH 375 Topics in Multi-Variable Calculus and Linear Algebra and MATH 376 Topics in Multi-Variable Calculus and Differential Equations taken in sequence will fulfill the requirement for MATH 340 Elementary Matrix and Linear Algebra.
3. This course can be taken as an Advanced Elective and meets the advanced math auxiliary condition.

MACHINE LEARNING AND DATA SCIENCE ELECTIVE

Code	Title	Credits
Choose one as an Advanced or Professional Elective:		3-4
E C E 431	Digital Signal Processing (typically offered fall)	

E C E/ COMP SCI 533	Image Processing (typically offered fall)
E C E/COMP SCI/ M E 539	Introduction to Artificial Neural Networks
E C E/ COMP SCI 561	Probability and Information Theory in Machine Learning (typically offered fall)
E C E/I SY E 570	Ethics of Data for Engineers
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization
COMP SCI 540	Introduction to Artificial Intelligence
COMP SCI 564	Database Management Systems: Design and Implementation [1]
COMP SCI/ B M I 567	Biomedical Image Analysis [1]
COMP SCI/ B M I 576	Introduction to Bioinformatics
COMP SCI 577	Introduction to Algorithms [1]
I SY E 412	Fundamentals of Industrial Data Analytics
I SY E 521	Machine Learning in Action for Industrial Engineers
L I S 461	Data and Algorithms: Ethics and Policy
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes [1]
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus [1]
M S & E 460	Introduction to Computational Materials Science and Engineering [1]
STAT 421	Applied Categorical Data Analysis [1]
STAT/M E 424	Statistical Experimental Design [1]
STAT 456	Applied Multivariate Analysis [1]
STAT 461	Financial Statistics [1]

[1] This course has additional requisites not required for the BS in Electrical Engineering.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	PHYSICS 201	5
CHEM 103	4	MATH 222	4
E C E 210	2	Communications A or Liberal Studies Elective	3
Liberal Studies Elective or Communications A	3	E C E/COMP SCI 252	3
	14		**15**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 202	5	E C E 222	4
MATH 234	4	E C E 230[4]	4
E C E 203	3	E C E 270[1]	1
Free Elective	1	E C E 330	3
		Liberal Studies Elective	3
	13		**15**

Third Year

Fall	Credits	Spring	Credits
COMP SCI 300	3	ECE Advanced Elective	3
E C E 331	3	E C E/PHYSICS 235	3
E C E 340	3	EE Advanced Lab (3XX)	1
E C E 271	1	INTEREGR 397	3
E C E/COMP SCI 352	3	Liberal Studies Elective	3
Professional Elective	3	MATH 320	3
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
E C E/COMP SCI/ I SY E 524	3	ECE Capstone Design	4
E C E 370	2	ECE Advanced Elective (4XX)	3
ECE Advanced Elective	3	Machine Learning and Data Science Elective	3
ECE Advanced Elective	3	E C E/COMP SCI/ M E 532	3
Liberal Studies Elective	3	Liberal Studies Elective	3
EE Advanced Lab (3XX)	1		
	15		**16**

Total Credits 120

ELECTRICAL ENGINEERING: SEMICONDUCTOR ENGINEERING, BS

The Semiconductor Engineering named option in Electrical Engineering prepares students for a career in electrical engineering with an emphasis on engineering semiconductor-based devices and systems. This named option provides guidance and recognition for students pursuing this career path. The option uses 20 of the elective credits within the 120-credit Electrical Engineering BS degree program to focus on the science, tools, and practices associated with semiconductor engineering. Students selecting this option must submit an option declaration form (https://engineering.wisc.edu/programs/named-options/declaration/) to the dean's office in Engineering Hall.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Required Courses		
Complete all:		
E C E 305	Semiconductor Properties Laboratory [1]	1

E C E 335	Microelectronic Devices [2]	3
E C E 548	Integrated Circuit Design [2]	3
E C E 549	Integrated Circuit Fabrication Laboratory [2]	4
Complete one:		3
E C E 445	Semiconductor Physics and Devices [3]	
E C E 466	Electronics of Solids [3]	
Electives		
Complete two courses:		6
E C E 342	Electronic Circuits II [3]	
M S & E 351	Materials Science-Structure and Property Relations in Solids (offered in Fall) [3]	
E C E 434	Photonics [3, 4]	
M S & E 434	Introduction to Thin-Film Deposition Processes (offered in Spring) [3, 5]	
E C E 445	Semiconductor Physics and Devices [2, 3]	
M S & E 456	Electronic, Optical, and Magnetic Properties of Materials (offered in Fall) [3, 5]	
E C E 466	Electronics of Solids [2, 3]	
E C E 535	Introduction to Quantum Sensing [3]	
E C E 536	Integrated Optics and Optoelectronics [4, 5]	
E C E 541	Analog MOS Integrated Circuit Design [2, 3]	
E C E 542	Introduction to Microelectromechanical Systems [2, 3]	
PHYSICS 551	Solid State Physics [3]	
M S & E 553	Nanomaterials & Nanotechnology (offered in Spring) [3, 5]	
E C E 555	Digital Circuits and Components [2, 3]	
Total Credits		**20**

1 This course can be taken as an Advanced Elective - Laboratory.
2 This course can be taken as an Advanced Elective in Circuits & Devices.
3 This course can be taken as a Professional Elective.
4 This course can be taken as an Advanced Elective in Fields and Waves.
5 This course has additional requisites not required for the BS in Electrical Engineering.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	E C E/COMP SCI 252	3
CHEM 103, 104, or 109	4-5	PHYSICS 201	5
E C E 210	2	MATH 222	4
or Communications A		Communications A or	3
Liberal Studies Elective	3	E C E 210	
	14-15		**15**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 202	5	E C E 222	4
MATH 234	4	COMP SCI 300	3
E C E 203	3	E C E 230	4
Liberal Studies Elective	3	E C E 270	1
	15		**12**

Third Year

Fall	Credits	Spring	Credits
E C E/PHYSICS 235	3	ECE Advanced Elective	3
Statistics/Probability Elective	3	INTEREGR 397	3
E C E 340	3	E C E 305	1
E C E 271	1	E C E 335	3
E C E 330	3	Liberal Studies Elective	3
E C E/COMP SCI 352	3	Professional Elective (Adv Math)	3
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
Liberal Studies Elective	3	Professional Elective[1]	3
E C E 548	3	E C E 466 or 445	3
E C E 549	4	ECE Advanced Elective (4XX)[1]	3
EE Advanced Lab (3XX)	1	ECE Capstone Design	4
E C E 370	2	Liberal Studies Elective	3
Professional Elective[1]	3		
	16		**16**

Total Credits 120-121

1 Replace at least two of these professional electives or advanced electives with courses from the Semiconductors electives list. Elective courses may have additional requisites.

ENGINEERING - COLLEGE-WIDE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- College of Engineering Honors in the Liberal Arts (p. 312)
- International Engineering, Certificate (p. 312)
- Naval Science, BNS (p. 313)
- Technical Communication, Certificate (p. 315)

COLLEGE OF ENGINEERING HONORS IN THE LIBERAL ARTS

In general, the concept of academic honors programs in higher education focuses resources on especially able students who are interested in challenging themselves at unusually high levels. This concept does not translate to the College of Engineering programs. All engineering classes are challenging, focused, and require high academic ability in math and science. Further, in engineering, resources must be used to make sure all engineering graduates – not just a few – excel in every respect. Nonetheless, honors opportunities are available on a limited basis in the College of Engineering.

HOW TO GET IN

HOW TO GET IN

EHLA allows for a small group of highly motivated students who have special, broad interests in liberal arts to take challenging background courses in physical science, natural science, humanities, foreign language, and social science to supplement their engineering program. The EHLA program will allow students access to honors sections in these College of Letters & Science courses. Honors courses in physical and natural science are available to invited engineering freshmen whether or not they are selected for EHLA. Conversely, no engineering courses are available as honors courses. Admission to EHLA is based on applications from high school students submitted before May 23 of their last year in high school. Fewer than 30 students are admitted each year. Interested students can find the application on the College of Engineering website (https://www.engr.wisc.edu/academics/undergraduate-academics/honors/) and should contact Dr. Andrew Greenberg at greenberg2@wisc.edu with questions.

REQUIREMENTS

REQUIREMENTS

The EHLA designation will be awarded to those admitted to the EHLA program who meet the following requirements when they graduate with an engineering degree:

- A cumulative grade point average of at least 3.3 in all honors courses through the semester in which all criteria for EHLA are met;
- Completion of at least 24 credits in Honors courses with grades of B or better;
- Completion of at least 6 credits in Honors courses in the humanities, 6 credits in social sciences, and 6 credits in natural sciences;
- Completion of at least 15 Honors credits in courses with the designation "H" or "!" (honors sections).

Because the classes for which Honors designation is available are taken mainly in the first year, students do not apply to the EHLA program once they begin in the College of Engineering. Students can, however, transfer from the College of Letters & Science Honors in Liberal Arts program into the EHLA program provided they transfer into an engineering program in their first two years.

INTERNATIONAL ENGINEERING, CERTIFICATE

The Certificate in International Engineering provides recognition for a student's efforts to prepare for an international career by learning about a country or region of the world outside the United States. An undergraduate student in the College of Engineering or the Department of Biological Systems Engineering can earn the certificate by completing courses with a primary focus on the language, culture, history, geography, society, or institutions of a particular country or region of the world.

HOW TO GET IN

HOW TO GET IN

Students can apply for the Certificate in International Engineering by completing this form. (https://engineering.wisc.edu/academics/undergraduate-academics/certificate-in-international-engineering/) This certificate is open to undergraduate students in the College of Engineering or the Department of Biological Systems Engineering. Students must have a cumulative GPA of at least 2.75 and have met progression requirements to apply.

REQUIREMENTS

REQUIREMENTS

A minimum of 16 credits is required. Up to eight transfer/test (e.g. Advanced Placement)/retro credits and up to three credits of Independent Study or Directed Study can be used toward completing the certificate.

LANGUAGE COURSES (0-9 CREDITS)

Although not required, a maximum of 9 credits may be devoted to courses in a foreign language. Only foreign language courses beyond the initial 8 credits in that particular language may be used to satisfy this requirement. A maximum of 3 credits from Independent Study or Directed Study may be counted toward the language requirements.

AREA STUDIES COURSES (6-15 CREDITS)

A minimum of 6 credits must be devoted to courses with a major emphasis on the culture, history, geography, society, or institutions of one country or the countries in a geographically identifiable region of the world. These courses must be selected from at least two departments. A maximum of three credits from Independent Study or Directed Study may be counted toward the area studies requirements.

INTERNATIONAL EXPERIENCE

A documented stay of five weeks or longer for study or engineering-related volunteer or work (including internship and co-op) in the designated country or region is required.

INTERNATIONAL ENGINEERING COURSE

Successful completion of the one credit course INTEREGR 413 is required after one's international experience. **This course is only offered during the fall semester and students must be admitted into the certificate to enroll in this course.**

Students may not elect the pass/fail option for any course that is used to satisfy the requirements for the certificate, with the exception of courses taken on a study abroad program through International Academic Programs (https://studyabroad.wisc.edu/) in collaboration with the College of Engineering. Successful completion of certificate requirements will be noted on the student's official transcript at graduation. For additional information, contact international@engr.wisc.edu.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Study the language and/or culture of a specific area of the world.
2. Obtain a significant international experience in that same area of the world (meaning spending 5 weeks or more in the area).
3. Understand and be able to articulate specific insights about the international dimension of engineering as a profession.

NAVAL SCIENCE, BNS

The College of Engineering recommends candidates for the Bachelor of Naval Science degree.

Earning both the BNS degree and the BS degree in the field of engineering may require five years. Engineering students in an ROTC program may require four and one-half to five years to complete both degree and commissioning requirements.

For additional information see the Officer Education (p. 28) section of the *Guide*.

HOW TO GET IN

HOW TO GET IN

The Naval Science BNS is not a stand-alone degree. Students interested in pursuing this degree should consult with the Navy ROTC:
1610 University Ave, Madison, WI 53726 | 608-262-3794 | nrotc@aviation.wisc.edu (nrotc.aviation@wisc.edu)

REQUIREMENTS

REQUIREMENTS

The College of Engineering recommends candidates for the Bachelor of Naval Science degree. Requirements for the degree are:

1. A total of 136 credits including no fewer than 100 credits of elected and required courses in one of the engineering curricula.
2. Completion of these additional requirements as approved by the Department of Naval Science: English, two semesters; American Military Affairs/National Security Policy, one semester (see below).
3. Also, to be conferred a BNS degree, the candidate must satisfy the degree requirements for *any* Engineering major, and the above-stated Naval Science requirements.

Earning both the BNS degree and the BS in the field of engineering may require five years. Engineering students in an ROTC program may require four and one-half to five years to complete both degree and commissioning requirements.

REQUIRED COURSES:

Code	Title	Credits
Naval Laboratory (1 cr each):		8-10
NAV SCI 175	Introductory Naval Laboratory I	
NAV SCI 176	Introductory Naval Laboratory II	
NAV SCI 275	Elementary Naval Laboratory I	
NAV SCI 276	Elementary Naval Laboratory II	
NAV SCI 375	Intermediate Naval Laboratory I	
NAV SCI 376	Intermediate Naval Laboratory II	
NAV SCI 475	Advanced Naval Laboratory I	
NAV SCI 476	Advanced Naval Laboratory II	
NAV SCI 575	Professional Naval Laboratory I [1]	
NAV SCI 576	Professional Naval Laboratory II [1]	
NAV SCI 101	Introduction to Naval Science	2
NAV SCI 102	Seapower-Maritime Affairs	3
or HISTORY 345	Military History of the United States	
or HISTORY 428	The American Military Experience Since 1899	
NAV SCI 201	Naval Leadership and Management	3
NAV SCI 402	Naval Leadership and Ethics	3
Six credits of English. Must be writing-intensive and focus on areas of grammar and composition. Accepted courses include those designated COM A or COM B		6
Three credits of American Military History or National Security Policy. Accepted courses include:		3
POLI SCI 104	Introduction to American Politics and Government	
POLI SCI 140	Introduction to International Relations	
POLI SCI 160	Introduction to Political Theory	
POLI SCI/ LEGAL ST 217	Law, Politics and Society	
POLI SCI 347	Terrorism	
POLI SCI 348	Analysis of International Relations	
POLI SCI 356	Principles of International Law	
POLI SCI 377	Nuclear Weapons and World Politics	
HISTORY 427	The American Military Experience to 1902	
HISTORY 428	The American Military Experience Since 1899	
Completion of one of the following:		
Navy Option Focus Area:		
NAV SCI 202	Navigation	
NAV SCI 301	Naval Engineering	
NAV SCI 302	Naval Weapons	
NAV SCI 401	Naval Operations	

Six credits of calculus to include a first- and second-semester course [2]	
Six credits of calculus-based physics to include a first- and second-semester course [2]	
Three credits of World Culture and Regional Studies. Must have an emphasis on regions encompassed by Sub-Sahara Africa, North Africa, Central Asia, East Asia, South Asia, Southwest Asia, Southeast Asia, Central America, Middle East, or Russia/Eastern Europe	
Marine Corps Option Focus Area:	
NAV SCI 350	Fundamentals of Maneuver Warfare
NAV SCI 351	Land Campaigns

1 Add NAV SCI 575 Professional Naval Laboratory I if taking a 9th semester, NAV SCI 576 Professional Naval Laboratory II if taking a 10th semester.

2 AP/IB/Transfer credits accepted only for first-semester course. Contact the NROTC staff for more information.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand and apply the fundamentals and principles of Naval Science.
2. Understand and apply Naval Science professional knowledge and core competencies.
3. Be prepared to perform successfully in the technical and critical reasoning requirements of their careers and pursue continuing education in a field of application within the Naval Service.
4. Understand and demonstrate a strong sense of personal integrity, honor, and individual responsibility and associated ethical leadership required of military officers.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

The Bachelor of Naval Science degree is not a stand-alone degree. The plans below must be integrated with a student's undergraduate College of Engineering major plan. See your engineering advisor and Naval ROTC program staff with questions.

NAVY SCHOLARSHIP/COLLEGE PROGRAMMER

First Year

Fall	Credits	Spring	Credits
NAV SCI 175	1	NAV SCI 176	1
Calculus 1/Math 1	3-5	Calculus 2/Math 2	3-5
English 1	3	English 2	3-5
NAV SCI 101	2	HISTORY 428 (in place of NAV SCI 102)	3-4
	9-11		**10-15**

Second Year

Fall	Credits	Spring	Credits
NAV SCI 275	1	NAV SCI 276	1
Physics 1/Physical Science 1	3-5	Physics 2/Physical Science 2	3-5
NAV SCI 201	3	NAV SCI 202	3
	7-9		**7-9**

Third Year

Fall	Credits	Spring	Credits
NAV SCI 375	1	NAV SCI 376	1
World Culture	3	Amer Mil History/ National Security Policy	3
NAV SCI 301	3	NAV SCI 302	3
	7		**7**

Fourth Year

Fall	Credits	Spring	Credits
NAV SCI 475	1	NAV SCI 476	1
NAV SCI 401	3	NAV SCI 402	3
	4		**4**

Total Credits 55-66

MARINE SCHOLARSHIP/COLLEGE PROGRAMMER

First Year

Fall	Credits	Spring	Credits
NAV SCI 175	1	NAV SCI 176	1
NAV SCI 101	2	HISTORY 428 (in place of NAV SCI 102)	3-4
English 1	3	English 2	3
	6		**7-8**

Second Year

Fall	Credits	Spring	Credits
NAV SCI 275	1	NAV SCI 276	1
NAV SCI 201	3	NAV SCI 350 or 351	3
	4		**4**

Third Year

Fall	Credits	Spring	Credits
NAV SCI 375	1	NAV SCI 376	1
Amer Mil History/ National Security Policy	3	NAV SCI 350 or 351	3
	4		**4**

Fourth Year

Fall	Credits	Spring	Credits
NAV SCI 475	1	NAV SCI 476	1
		NAV SCI 402	3
	1		**4**

Total Credits 34-35

ADVISING AND CAREERS

ADVISING AND CAREERS

Naval Science BNS students should meet with the Navy ROTC for advising:

1610 University Ave., Madison, WI 53726

608-262-3794

nrotc.aviation@wisc.edu

TECHNICAL COMMUNICATION, CERTIFICATE

Admissions to the Technical Communication, Certificate have been suspended as of fall 2025 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

The Technical Communication Certificate (TCC) has established itself as a program that meets industry and government agencies' demands for students with skills as communicators and for communication specialists. Because employers value well-developed communication skills, TCC courses will enhance success in co-op/intern positions and post-graduation careers. TCC graduates overwhelmingly confirm not only that the certificate gave them an edge over other candidates during the recruitment process, but also that the communication knowledge, skills, and attitudes they acquired while in the program helped them succeed in their jobs and helped prepare them for the diverse communication and management tasks in today's multifunctional team environments.

The Technical Communication Certificate, housed in the College of Engineering, complements all undergraduate degrees, but is especially designed to fit in well with an engineering degree. TCC students gain experience in career-applicable skills by

- Receiving education in principles and processes for communicating about technical subjects (including problem solving methods, audience analysis, rhetorical analysis, conventions of format, and usability testing).
- Gaining education in the fundamentals of written, oral, and visual communication (including organization, structure, style, mechanics, format, and delivery).
- Learning effective interpersonal communication and management skills (including teamwork, interviewing, leading and facilitating groups, project management, and international communication).
- Gaining opportunities to research and think analytically about contemporary issues and to consider ethical issues.
- Using current technology to encourage effective communication in a variety of environments (including use of the web, distance communication, group software, and layout and presentation software).

While the certificate is designed especially for engineering students, students from other fields sometimes seek out the program to enhance their career options. Students who complete the certificate will have the notation "Technical Communication Certificate" added to their transcripts.

Students in the program often take on leadership roles in other college or campus student organizations and projects, further developing their communication, team, and management skills.

HOW TO GET IN

HOW TO GET IN

Admissions to the Technical Communication, Certificate have been suspended as of fall 2025 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

Undergraduates who would like to enroll in the Technical Communication Certificate (TCC) may download the TCC Application form (PDF) (https://tc.engr.wisc.edu/certificate/applying-to-the-technical-communication-certificate/). Email the completed TCC Application along with a PDF of your current DARS report to Laura Grossenbacher, Director of the Tech Comm Program, at lrgrossenbac@wisc.edu. Graduate students and non-degree-seeking students cannot enroll in the TCC.

PREREQUISITES FOR ADMISSION TO THE TCC PROGRAM

- A grade of at least B in Communication A or equivalent course or AP English credits (score of at least 4 out of 5).
- Four courses (12-credit minimum) in science and/or engineering, including at least one intermediate-level (minimum 200-level) course.
- Three courses (9-credit minimum) in humanities, social sciences, and/or foreign language.
- Overall GPA of at least 2.5.

Applications are accepted throughout the semester, though students are encouraged to submit applications as early as possible so they have ample time to plan their coursework. The program will notify all new admissions via email.

REQUIREMENTS

REQUIREMENTS

To graduate with the certificate in technical communication, students must complete at least 21 credits, with a minimum of 6 credits in technical proficiency courses and a minimum of 15 credits in both technical and non-technical communication courses.

In addition to course requirements, students must achieve at least a B in the required Engineering Communication (INTEREGR 397) and the Technical Communications Internship (E P D 398). All students must complete the program within five years from their application date. Students are encouraged to meet with their advisor regularly to ensure they are on track to graduate with their certificate. Students cannot count courses completed on a pass/fail basis toward the certificate.

Substitution of courses substantively equivalent to those listed will be considered by the Technical Communication Curriculum Committee. Students must submit requests for substitution with supporting material before beginning the course.

PREREQUISITES

Code	Title	Credits
A grade of at least B in Communication A or equivalent course or AP English credits (score of at least 4 or 5)		
Select four courses (12-credit minimum) in science and/or engineering, including at least one intermediate-level (minimum 200-level) course		
Select three courses (9-credit minimum) in liberal studies including a foreign language		
Overall GPA of at least 2.5		

TECHNICAL PROFICIENCY

Code	Title	Credits
Select a minimum of one course each from two areas:		6
Computer Science		
Management/Economics/Business		
Total Credits		**6**

Computer Science

Code	Title	Credits
CBE 255	Introduction to Chemical Process Modeling	3
CIV ENGR/G L E 291	Problem Solving Using Computer Tools	4
COMP SCI 200	Programming I	3
COMP SCI 220	Data Science Programming I	4
COMP SCI 300	Programming II	3
COMP SCI 320	Data Science Programming II	4
INFO SYS 371	Technology of Computer-Based Business Systems	3
LSC 532	Web Design for the Sciences	3

Management/Economics/Business

Code	Title	Credits
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
ACCT I S 401	Business Organizations and Negotiable Instruments	3
CIV ENGR 491	Legal Aspects of Engineering	3
CIV ENGR 492	Integrated Project Estimating and Scheduling	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 498	Construction Project Management	3
ECON 301	Intermediate Microeconomic Theory	4
ECON 302	Intermediate Macroeconomic Theory	4
ECON/A A E/ ENVIR ST 343	Environmental Economics	3-4
ECON 467	International Industrial Organizations	3-4
GEN BUS 301	Business Law	3
GEN BUS 365	Contemporary Topics	1-3
INTL BUS 200	International Business	3
INTL BUS/ GEN BUS 320	Intercultural Communication in Business	3
I SY E 313	Engineering Economic Analysis	3
I SY E/PSYCH 349	Introduction to Human Factors	3
I SY E 515	Engineering Management of Continuous Process Improvement	3
I SY E 575	Introduction to Quality Engineering	3
MARKETNG 300	Marketing Management	3
MARKETNG 310	Marketing Research	3
MARKETNG 415	Social Creative Marketing	3
MARKETNG/ INTL BUS 420	Global Marketing Strategy	3
M E 549	Product Design	3
M H R 300	Managing Organizations	3
M H R 365	Contemporary Topics	1-3
M H R 420	Leading Change in Organizations	3
M H R 612	Labor-Management Relations	3
N E 571	Economic and Environmental Aspects of Nuclear Energy	3
OTM 365	Contemporary Topics	1-3
R M I 300	Principles of Risk Management	3

TECHNICAL COMMUNICATION REQUIRED COURSES

Code	Title	Credits
INTEREGR 397	Engineering Communication	3
E P D 398	Technical Communications Internship (Required. This course, completed in conjunction with the Technical Communication Internship. Only offered in spring.)	1
Total Credits		**4**

TECHNICAL COMMUNICATION ELECTIVES

Code	Title	Credits
Select a minimum of 8 credits [1]		8
Total Credits		**8**

Elective Courses in Communication

Code	Title	Credits
INTEREGR 397	Engineering Communication (was EPD 275)	3
M E 231	Geometric Modeling for Design and Manufacturing	3
I SY E 515	Engineering Management of Continuous Process Improvement	3
BSE 270	Introduction to Computer Aided Design	3
BSE 375	Special Topics	1-4
CBE 324	Transport Phenomena Lab	3
CBE 424	Operations and Process Laboratory	5
CIV ENGR 159	Civil Engineering Graphics	2
COM ARTS 260	Communication and Human Behavior	3
COM ARTS 262	Argumentation and Debate	3

COM ARTS 266	Theory and Practice of Group Discussion	3
COM ARTS 272	Introduction to Interpersonal Communication	3
COM ARTS 355	Introduction to Media Production	4
COM ARTS 368	Persuasion and Social Influence	3
COM ARTS 575	Communication in Complex Organizations	3
ENGL 201	Intermediate Composition	3
ENGL 315	English Phonology	3
ENGL 318	Second Language Acquisition	3
GEN BUS 360	Workplace Writing and Communication	3
HISTORY 201	The Historian's Craft	3-4
HIST SCI 201	The Origins of Scientific Thought	3
HIST SCI 202	The Making of Modern Science	3
JOURN 425	Video Journalism	4
JOURN 447	Strategic Media Planning	4
LSC 515	Social Marketing Campaigns in Science, Health and the Environment	3
JOURN/POLI SCI/ URB R PL 373	Introduction to Survey Research	3-4
JOURN 563	Law of Mass Communication	4
L I S 601	Information: Perspectives and Contexts	3
L I S/LEGAL ST 663	Introduction to Cyberlaw	3
LSC 350	Visualizing Science and Technology	3
LSC 515	Social Marketing Campaigns in Science, Health and the Environment	3
M H R 365	Contemporary Topics	1-3
M H R 401	Leading Teams	3
PHILOS 210	Reason in Communication	3-4
PHILOS 241	Introductory Ethics	3-4
PHILOS 243	Ethics in Business	3-4
PHILOS/ ENVIR ST 441	Environmental Ethics	3-4
PSYCH 456	Social Psychology	3-4
PSYCH/I SY E 653	Organization and Job Design	3
SOC 535	Talk and Social Interaction	3
Independent Study courses by instructor approval only [2]		

[1] Note: These E P D courses **do NOT count toward** the TCC:

- E P D 654 Teaching in Science and Engineering
- E P D 690 Core Competency in Sustainability
- E P D 690 ATE Powertrain
- E P D 690 Essential Skills for Engineering Productivity

[2] Special credits in Technical Communication include E P D 499 Senior Independent Study.

SENIOR DESIGN OR CAPSTONE

If students pursuing this Certificate from outside of engineering, can petition for a senior-level communication-intensive course in their chosen discipline to count for this requirement.

Code	Title	Credits
Select one of the following:		3-4
B M E 400	Capstone Design Course in Biomedical Engineering	
B M E 402	Biomedical Engineering Capstone Design II	
BSE 508	Biological Systems Engineering Design Practicum I	
BSE 509	Biological Systems Engineering Design Practicum II	
CBE 424	Operations and Process Laboratory	
CBE 450	Process Design	
CIV ENGR 578	Senior Capstone Design	
E C E 453	Embedded Microprocessor System Design	
E C E 491	Senior Design Project	
E M A 469	Design Problems in Engineering	
G L E 479	Geological Engineering Design	
I SY E 450	Industrial Engineering Design II	
M E 349	Engineering Design Projects	
M E 351	Interdisciplinary Experiential Design Projects I	
M E 352	Interdisciplinary Experiential Design Projects II	
M S & E 470	Capstone Project I	
M S & E 471	Capstone Project II	
N E 412	Nuclear Reactor Design	
N E 571	Economic and Environmental Aspects of Nuclear Energy	

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand and apply principles and processes for communicating about technical subjects to diverse audiences.
2. Understand and apply fundamentals of written, oral, and visual communication.
3. Apply improved skills in interpersonal communication, teamwork, and management.
4. Research, identify, and think analytically about social, global, economic, political, environmental, and ethical issues as they impact technical projects or engineering work.

5. Use current technology to communicate effectively in a variety of formats and environments.
6. Engage in real world experiences through communication internships and guest lectures.

INDUSTRIAL AND SYSTEMS ENGINEERING

The first bachelor of science in industrial engineering at the University of Wisconsin–Madison was awarded in 1972. Since that time, the demand for industrial engineers has grown dramatically for one chief reason: the need for organizations to raise their level of productivity through thoughtful, systematic applications.

Becoming an industrial engineer (IE) places one in an exciting field of engineering that focuses on productivity improvement worldwide. It is a field that deals as much with human aspects of work as with today's sophisticated tools of work.

What sets industrial engineering apart from other engineering disciplines is its broader scope. An IE deals with people as well as things. The industrial engineer applies problem-solving techniques in almost every kind of industry, business, or institution. There are IEs in banks, hospitals, government at all levels, transportation, construction, processing, social services, electronics, facilities design, manufacturing, and warehousing.

An IE looks at the "big picture" of what makes society perform best – the right combination of human resources, natural resources, and human-made structures and equipment. An IE bridges the gap between management and operations, dealing with and motivating people as well as determining what tools should be used and how they should be used. Industrial engineering is concerned with performance measures and standards, research of new products and product applications, ways to improve use of scarce resources, and many other problem-solving adventures.

Because industrial engineering serves a broad cross-section of business, industry, and institutions, the IE's work environment varies from office to plant to field. Choices can be made even after the IE begins his or her career. Few other vocations offer a graduating student such a wide selection of places to work or kind of work to perform. Need for industrial engineers makes this profession particularly attractive from the financial standpoint. Beginning salaries rank in the top group of high-paying engineering disciplines, and fast advancement is not unusual.

In the industrial and systems engineering department at UW–Madison, the course curriculum is set up to provide a diversified background and at the same time allow choices according to individual interests. Specialized coursework might be categorized in four main areas:

- Industrial Data Analytics
- Optimization and Operations Research
- Human Factors and Ergonomics
- Applications of Industrial Engineering

Although there is no sub-major within IE, it is possible to achieve a degree of specialization through the choice of a focus area. Courses focusing on teams and design projects prepare students to succeed in the workplace.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Engineering Data Analytics, Certificate (p. 318)
- Industrial Engineering, BS (p. 319)
- Six Sigma, Certificate (p. 325)

ENGINEERING DATA ANALYTICS, CERTIFICATE

This certificate is designed to enhance the skills of engineering students in the field of Data Analytics, which is in high demand across all engineering fields. Students may choose from a wide variety of courses from each of the four main areas: Foundations of Data Analytics, Applications of Data Analytics, Data Science, and Machine Learning. The culminating course in the program focuses on ethical issues in Data Analytics and provides students with principled solutions to address these modern societal challenges.

The program is open to any degree-seeking undergraduate engineering student with a plan of study that fulfills the certificate requirements. Applications can be submitted at any time, but students are encouraged to apply early to ensure a smooth and successful completion of the program.

HOW TO GET IN

HOW TO GET IN

All current undergraduate students in the College of Engineering are eligible to complete the Certificate in Engineering Data Analytics. Students should meet with the Certificate Advisor to discuss their intention to pursue the certificate and submit an online declaration form: https://engineering.wisc.edu/programs/certificates/engineering-data-analytics/declaration (https://engineering.wisc.edu/programs/certificates/engineering-data-analytics/declaration/).

Students declared in the Certificate in Data Science are not eligible to declare the Certificate in Engineering Data Analytics.

REQUIREMENTS

REQUIREMENTS

Select one course from each area. The ethics course must be taken after the other four courses are completed.

Code	Title	Credits
Foundations of Data Analytics		3
Applications of Data Analytics		3-4
Data Science		3
Machine Learning		3
Ethics (Complete last)		3
Total Credits		**15**

FOUNDATIONS OF DATA ANALYTICS

Choose one of the following courses:

Code	Title	Credits
E C E 203	Signals, Information, and Computation	3
E C E 204	Data Science & Engineering	3
E C E 331	Introduction to Random Signal Analysis and Statistics	3
I SY E 210	Introduction to Industrial Statistics	3
I SY E 312	Data Management and Analysis for Industrial Engineers	3
I SY E 412	Fundamentals of Industrial Data Analytics	3

APPLICATIONS OF DATA ANALYTICS

Choose one of the following courses:

Code	Title	Credits
E C E 334	State Space Systems Analysis	3
E C E 431	Digital Signal Processing	3
E C E 432	Digital Signal Processing Laboratory	3
E C E 454	Mobile Computing Laboratory	4
E C E/ COMP SCI 533	Image Processing	3
I SY E/M E 512	Inspection, Quality Control and Reliability	3
I SY E 517	Decision Making in Health Care	3
I SY E 575	Introduction to Quality Engineering	3
M S & E 561	Machine Learning in Materials	3

DATA SCIENCE

Choose one of the following courses:

Code	Title	Credits
E C E/COMP SCI/ I SY E 524	Introduction to Optimization	3
E C E/ COMP SCI 561	Probability and Information Theory in Machine Learning	3
I SY E 516	Introduction to Decision Analysis	3
I SY E 620	Simulation Modeling and Analysis	3
I SY E 624	Stochastic Modeling Techniques	3
I SY E/MATH/OTM/ STAT 632	Introduction to Stochastic Processes	3

MACHINE LEARNING

Choose one of the following courses:

Code	Title	Credits
E C E/COMP SCI/ M E 532	Matrix Methods in Machine Learning	3
E C E/COMP SCI/ M E 539	Introduction to Artificial Neural Networks	3
I SY E 521	Machine Learning in Action for Industrial Engineers	3

ETHICS

Choose one of the following courses:

Code	Title	Credits
I SY E 562	Human Factors of Data Science and Machine Learning	3
I SY E/E C E 570	Ethics of Data for Engineers	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply tools and methods to understand, analyze, and interpret data from a variety of sources
2. Apply tools and methods to draw conclusions from and make decisions based on analysis of data
3. Articulate the potential impact of a data-driven decision in the context of ethics, fairness, and equity
4. Identify how engineers apply data analytics in practice using machine learning, data science, and other fundamental tools of data analytics

INDUSTRIAL ENGINEERING, BS

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- Industrial Data Analytics
- Optimization and Operations Research
- Human Factors and Ergonomics
- Applications of Industrial Engineering

Although there is no sub-major within IE, it is possible to achieve a degree of specialization through the choice of a focus area. Courses focusing on teams and design projects prepare students to succeed in the workplace.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the Industrial Engineering, BS, degree program. Required courses and electives satisfying the Mathematics and Basic Science, Computer Sciences, IE Focus Area, and General Education Communication requirements are indicated. For Liberal Studies Electives refer to the College of Engineering Liberal Studies Guidelines.

Code	Title	Credits
Mathematics and Basic Science		30-31
Probability and Statistics		6
Computer Sciences		7-8
Required I SY E Courses		28
I SY E Focus Area Technical Electives		18
Professional Electives, Communication Skills, and Liberal Studies		27
Free Electives		4
Total Credits		**120**

MATHEMATICS AND BASIC SCIENCE

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 340	Elementary Matrix and Linear Algebra	3
Select one of the following: [1]		5-6
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
E M A 201 & E M A 202	Statics and Dynamics	
Choose 9 credits from the following list:		9
ANAT&PHY 335	Physiology	
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
or ZOOLOGY 153	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
CHEM 103	General Chemistry I [2]	
or CHEM 109	Advanced General Chemistry	
or CHEM 115	Chemical Principles I	
CHEM 104	General Chemistry II	
CHEM 116	Chemical Principles II	
CHEM 311	Chemistry Across the Periodic Table	
CHEM 327	Fundamentals of Analytical Science	
or CHEM 329	Fundamentals of Analytical Science	
CHEM 341	Elementary Organic Chemistry	
CHEM 342	Elementary Organic Chemistry Laboratory	
CHEM 343	Organic Chemistry I	
CHEM 344	Introductory Organic Chemistry Laboratory	
CHEM 345	Organic Chemistry II	
CHEM 346	Intermediate Organic Chemistry Laboratory	
MICROBIO 101	General Microbiology	
MICROBIO 102	General Microbiology Laboratory	
PHYSICS 202	General Physics	
or PHYSICS 208	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
PHYSICS 205	Modern Physics for Engineers	
or PHYSICS 241	Introduction to Modern Physics	
or PHYSICS 249	A Modern Introduction to Physics	
MATH/ COMP SCI 240	Introduction to Discrete Mathematics	
MATH 319	Techniques in Ordinary Differential Equations	
MATH 421	The Theory of Single Variable Calculus	
MATH 443	Applied Linear Algebra	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
MATH 521	Analysis I	
MATH 522	Analysis II	
Total Credits		**30-31**

[1] If E M A 201 and E M A 202 are used to fulfill the PHYSICS requirement, additional credits of math or basic science will be required

[2] Credit will not be given for both CHEM 103 and CHEM 109 to fulfill Mathematics and Basic Science requirements.

PROBABILITY AND STATISTICS

Code	Title	Credits
I SY E 210	Introduction to Industrial Statistics	3
or STAT/ MATH 310	Introduction to Probability and Mathematical Statistics II	
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3

or STAT/ MATH 309	Introduction to Probability and Mathematical Statistics I	
Total Credits		**6**

COMPUTER SCIENCES

Code	Title	Credits
COMP SCI 220	Data Science Programming I	4
Select one of the following courses:		3-4
COMP SCI 200	Programming I	
COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	
COMP SCI 400	Programming III	
COMP SCI 412	Introduction to Numerical Methods	
Total Credits		**7-8**

REQUIRED I SY E COURSES

Code	Title	Credits
I SY E 191	The Practice of Industrial Engineering	2
I SY E 312	Data Management and Analysis for Industrial Engineers	3
I SY E 313	Engineering Economic Analysis	3
I SY E 315	Production Planning and Control	3
I SY E 320	Simulation and Probabilistic Modeling	3
I SY E 321	Simulation Modeling Laboratory	1
I SY E 323	Operations Research-Deterministic Modeling	3
I SY E 348	Introduction to Human Factors Engineering Laboratory	1
I SY E/PSYCH 349	Introduction to Human Factors	3
I SY E 350	Industrial Engineering Design I	3
I SY E 450	Industrial Engineering Design II	3
Total Credits		**28**

I SY E FOCUS AREA TECHNICAL ELECTIVES

Choose one of the following six focus areas.

Industrial Data Analytics

Code	Title	Credits
Choose at least 3 courses from the following list:		9
I SY E 412	Fundamentals of Industrial Data Analytics	
I SY E/M E 512	Inspection, Quality Control and Reliability	
I SY E 521	Machine Learning in Action for Industrial Engineers	
I SY E 562	Human Factors of Data Science and Machine Learning	
I SY E/E C E 570	Ethics of Data for Engineers	
I SY E 603	Special Topics in Engineering Analytics and Operations Research [1]	
I SY E 612	Information Sensing and Analysis for Manufacturing Processes	
I SY E 649	Interactive Data Analytics	
One elective I SY E course other than those listed in the Industrial Data Analytics area		3
Additional elective I SY E courses in any area		6
Total Credits		**18**

Applications of Industrial Engineering

Code	Title	Credits
Choose at least 3 courses from the following applications:		9
Manufacturing		
I SY E 415	Introduction to Manufacturing Systems, Design and Analysis	
I SY E/M E 510	Facilities Planning	
I SY E 515	Engineering Management of Continuous Process Improvement	
I SY E 604	Special Topics in Manufacturing and Supply Chain Management	
I SY E 605	Computer Integrated Manufacturing	
I SY E/M E 641	Design and Analysis of Manufacturing Systems	
I SY E 645	Engineering Models for Supply Chains	
Health Systems		
I SY E 417	Health Systems Engineering	
I SY E 517	Decision Making in Health Care	
I SY E 606	Special Topics in Healthcare Systems Engineering	
Quality Engineering		
I SY E 520	Quality Assurance Systems	
I SY E 575	Introduction to Quality Engineering	
One elective I SY E course other than those listed in the Applications of Industrial Engineering area		3
Additional elective I SY E courses in any area		6
Total Credits		**18**

Human Factors and Ergonomics

Code	Title	Credits
Choose at least 3 courses from the following list:		9
I SY E/COMP SCI/ DS 518	Wearable Technology	
I SY E/ PSYCH 549	Human Factors Engineering	
I SY E 555	Human Performance and Accident Causation	
I SY E 562	Human Factors of Data Science and Machine Learning	
I SY E/B M E 564	Occupational Ergonomics and Biomechanics	
I SY E 602	Special Topics in Human Factors	
I SY E/B M E 662	Design and Human Disability and Aging	
One elective I SY E course other than those listed in the Human Factors and Ergonomics area		3
Additional elective I SY E courses in any area		6
Total Credits		**18**

Optimization and Operations Research

Code	Title	Credits
Choose at least 3 courses from the following list:		9
I SY E/COMP SCI/ MATH 425	Introduction to Combinatorial Optimization	
I SY E 516	Introduction to Decision Analysis	
I SY E/COMP SCI/ E C E 524	Introduction to Optimization	
I SY E/COMP SCI/ MATH/STAT 525	Linear Optimization	
I SY E 603	Special Topics in Engineering Analytics and Operations Research [1]	
I SY E 620	Simulation Modeling and Analysis	
I SY E 624	Stochastic Modeling Techniques	
I SY E/MATH/ OTM/STAT 632	Introduction to Stochastic Processes	
One elective I SY E course other than those listed in the Optimization and Operations Research area		3
Additional elective I SY E courses in any area		6
Total Credits		**18**

Distributed Focus Area

Code	Title	Credits
Choose 6 courses in at least 3 of the 4 areas listed above (Industrial Data Analytics, Applications of Industrial Engineering, Human Factors and Ergonomics, and Optimization and Operations Research)		18
Total Credits		**18**

Honors in Research Focus Area

Code	Title	Credits
Choose 5 courses in at least 2 of the 4 areas listed above (Industrial Data Analytics, Applications of Industrial Engineering, Human Factors and Ergonomics, and Optimization and Operations Research)		15
I SY E 468	Introduction to Industrial Engineering Research	1
I SY E 478	Research and Beyond in Industrial Engineering	1
I SY E 489	Honors in Research	3
Total Credits		**20**

[1] The area to which I SY E 603 Special Topics in Engineering Analytics and Operations Research will count is dependent on course topic. Please consult your advisor for details.

PROFESSIONAL ELECTIVES, COMMUNICATION SKILLS, AND LIBERAL STUDIES

Code	Title	Credits
Professional Electives [1]		
Choose courses from the following areas:		6
College of Engineering courses numbered 200 or higher		
Biological, natural, social, or physical sciences; humanities; or literature at the Intermediate or Advanced level		
At most 5 credits of I SY E 699 and/or I SY E 1 (independent study courses from other engineering subject areas can also be used)		
School of Business courses numbered 200 or higher (as well as ACCT I S 100)		
Communication Skills		
Choose courses from the following area:		
ENGL 100	Introduction to College Composition	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 397	Engineering Communication	3
Liberal Studies		
Liberal Studies Electives (according to CoE requirements) [2]		11
ECON 101	Principles of Microeconomics	4
Total Credits		**27**

[1] Professional electives may not include STAT 301 Introduction to Statistical Methods or transfer/test math elective credits for calculus.

[2] See CoE Liberal Studies Guidelines (p. 254).

FREE ELECTIVES

Code	Title	Credits
Choose 4 credits of Free Electives		4
Total Credits		**4**

MINIMUM REQUIRED CREDITS: 120

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. Communicate effectively with a range of audiences
4. Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. Acquire and apply new knowledge as needed, using appropriate learning strategies
8. Recognize, describe, predict and analyze systems behavior
9. Understand physiological, cognitive, and sociotechnical aspects of humans as components in complex systems design
10. Apply the techniques, skills, and modern engineering tools necessary for engineering practice, such as quality engineering, optimization, simulation, and project management

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	I SY E 191	2
ECON 101	4	MATH 222	4
COMP SCI 220	4	PHYSICS 201	5
Communications A	3	Liberal Studies Elective	3
	16		**14**

Second Year

Fall	Credits	Spring	Credits
I SY E 313	3	I SY E 315	3
MATH 234	4	I SY E 348	1
Liberal Studies Elective	2	I SY E/PSYCH 349	3
Computer Sciences Elective	3-4	MATH 340	3
Math and Basic Science Elective	3	Math and Basic Science Elective	3
		I SY E 210	3
	15-16		**16**

Third Year

Fall	Credits	Spring	Credits
I SY E 312	3	I SY E 320	3
I SY E 323	3	I SY E 321	1
Professional Elective	3	I SY E 350	3
STAT 311	3	INTEREGR 397	3
Liberal Studies Elective	3	I SY E Focus Area Elective	3
		Free Elective	1
	15		**14**

Fourth Year

Fall	Credits	Spring	Credits
I SY E Focus Area Elective	3	I SY E 450	3
I SY E Focus Area Elective	3	I SY E Focus Area Elective	3
Professional Elective	3	I SY E Focus Area Elective	3
Free Elective	3	I SY E Focus Area Elective	3
Math and Basic Science Elective	3	Liberal Studies Elective	3
	15		**15**

Total Credits 120-121

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's

General Criteria and Program Criteria for Industrial and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. Demonstrate competence in the professional practice of industrial engineering.
2. Demonstrate industrial engineering skills needed as a foundation for leadership in a career and the profession.
3. Act with professional and ethical responsibility, fostering an inclusive work environment, and appreciate the impact of proposed solutions to a global and/or societal context.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Industrial Engineering Undergraduate Program (https://engineering.wisc.edu/programs/degrees/industrial-engineering-bs/) website. (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

SIX SIGMA, CERTIFICATE

This certificate is designed to teach students fundamental Six Sigma principles. Six Sigma is a data-driven approach to improving business processes by increasing process quality and efficiency and is widely adopted in industry. Students may choose from a variety of courses in each of the three main areas: statistical foundations for quality engineering, contemporary industrial data analytics, and manufacturing foundation and project management. Upon completion of this certificate, students will have gained the background knowledge needed to pass the Six Sigma Green Belt certification exam administered by the American Society for Quality (ASQ).

The program is open to any degree-seeking undergraduate engineering student with a plan of study that fulfills the certificate requirements. Applications can be submitted at any time, but students are encouraged to apply early to ensure a smooth and successful completion of the program.

HOW TO GET IN

HOW TO GET IN

All current undergraduate students in the College of Engineering are eligible to complete the Certificate in Six Sigma. Students should submit an online declaration form at https://engineering.wisc.edu/programs/certificates/six-sigma/declaration (https://engineering.wisc.edu/programs/certificates/six-sigma/declaration/).

REQUIREMENTS

REQUIREMENTS

- Students must complete certificate courses with a GPA of 2.000 or higher.
- Courses completed on a pass/fail or audit basis will not count toward these requirements.

Code	Title	Credits
Statistical foundations for quality engineering		
Choose one:		3
I SY E/M E 512	Inspection, Quality Control and Reliability	
I SY E 612	Information Sensing and Analysis for Manufacturing Processes	
I SY E 575	Introduction to Quality Engineering	
Contemporary industrial data analytics		
Choose one:		3
I SY E 412	Fundamentals of Industrial Data Analytics	
I SY E 521	Machine Learning in Action for Industrial Engineers	
I SY E 649	Interactive Data Analytics	
I SY E 562	Human Factors of Data Science and Machine Learning	
Manufacturing foundation and project management		
Choose one:		3
I SY E 415	Introduction to Manufacturing Systems, Design and Analysis	
I SY E 515	Engineering Management of Continuous Process Improvement	
I SY E/M E 510	Facilities Planning	
I SY E 605	Computer Integrated Manufacturing	
I SY E/M E 641	Design and Analysis of Manufacturing Systems	
Elective		
Choose one additional course from any category above		3
Total Credits		**12**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand and apply the core Six Sigma methodologies (DMAIC: Define, Measure, Analyze, Improve, Control) to effectively solve real-world problems.
2. Demonstrate an understanding of how Six Sigma enhances process efficiency and reduces variation.

3. Collect, analyze, and interpret data using statistical tools to monitor processes and inform decision-making.
4. Gain experience in managing engineering projects from problem definition through solution implementation and control.
5. Develop the ability to lead and collaborate effectively within cross-functional teams.

MATERIALS SCIENCE AND ENGINEERING

Advances in technology are closely linked to the materials that people can design, manipulate, and produce. How we live is connected to our abilities to process materials and manufacture products; to develop and design nontraditional as well as traditional materials for an increasingly broad range of industries; and to research and develop high-performance materials for practical applications in coming decades. The materials that change the way we live may be the next generation of superalloys for applications in extreme conditions such as high-temperature or highly corrosive environments; new materials for application in energy generation, storage, and transmission; organic and inorganic materials for use and integration in applications ranging from electronics to medicine; or new materials systems yet to be developed for the ever-increasing needs of our society.

Materials experts find employment in a broad range of industries and may practice experimental, computational, or theoretical materials science and engineering, or all of these in combination. The undergraduate curriculum leads to the Bachelor of Science Degree in Materials Science and Engineering. The curriculum is designed to prepare students with the foundation needed to thrive in broad and rapidly changing industries that are based on materials. It also provides substantial flexibility, through electives and with the assistance of a materials science and engineering faculty advisor, for tailoring to students' specific interests within the materials field. Science, engineering, teamwork, broad thinking, and communication skills all are integral parts of the curriculum. Graduates are well prepared for careers in industry or for graduate studies.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Materials Science and Engineering, BS (p. 326)

MATERIALS SCIENCE AND ENGINEERING, BS

Students who aspire to discover new materials that will improve our quality of life, work with chemistry, physics and engineering principles, and learn in a hands-on environment with faculty will thrive in the Department of Materials Science and Engineering. Students in MS&E are pioneers, making materials better through innovation. In MS&E, students aren't just hearing about revolutionary materials – They are the ones making them stronger, faster, lighter, smaller and better.

These materials make the world more equitable, reliable and sustainable, improving fuel efficient vehicles, jet engine performance, integrated circuits, green energy, electronics and more. Impacting these areas is possible with advanced tools and technology. Atomic resolution microscopes, analytical instruments, computer-based modeling and data science support MS&E's laboratory coursework and research.

Course structure and camaraderie are other factors that set MS&E apart. Instead of teaching from large lecture halls, MS&E prioritizes small class sizes and hands-on laboratories. Doing so establishes a culture where students are more than a number, where faculty know each of them by name. This tight-knit feel fuels results.

Earning a Bachelors of Science in Materials Science and Engineering opens doors. MS&E graduates have a 95% job placement rate, taking on a variety of roles. Aerospace engineer, analytical chemist, design engineer, research scientist and quality manager are just a few titles that MS&E graduates hold. Working for companies across the globe, MS&E graduates continue carrying out the Wisconsin Idea far beyond Madison.

The department is happy to welcome students who are interested in MS&E's principles, coursework, and impact areas. Additional questions about the undergraduate program can be directed toward MS&E's Associate Chair of Undergraduate Studies Mike Arnold (michael.arnold@wisc.edu). (https://guide.wisc.edu/undergraduate/engineering/materials-science-engineering/materials-science-engineering-bs/michael.arnold@wisc.edu)

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the materials science and engineering degree program.

Code	Title	Credits
Mathematics and Statistics		19
General Science and Engineering Foundations		26-27
MSE Required Courses		45
Materials Emphasis Elective Requirements		12
Communication Skills		6
Liberal Studies		16
Free Electives		3-4
Total Credits		**128**

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 319	Techniques in Ordinary Differential Equations	3
or MATH 320	Linear Algebra and Differential Equations	
STAT 324	Introduction to Statistics for Science and Engineering	3
Total Credits		**19**

GENERAL SCIENCE AND ENGINEERING FOUNDATIONS

Code	Title	Credits
General Science		
Physics		
PHYSICS 201	General Physics	5
or PHYSICS 207	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Chemistry		

CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	5
or CHEM 109	Advanced General Chemistry	
CHEM 343	Organic Chemistry I	3
or CHEM 341	Elementary Organic Chemistry	
Science Elective		
Select one of the following:		3
CHEM 311	Chemistry Across the Periodic Table	
CHEM 327	Fundamentals of Analytical Science	
CHEM 329	Fundamentals of Analytical Science	
CHEM 345	Organic Chemistry II	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
PHYSICS 241	Introduction to Modern Physics	
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
ZOOLOGY 153	Introductory Biology	
Engineering Foundation		
Introduction to Engineering		
M S & E 260	Materials Experience (or another CoE Intro to Engineering course)	2
Computer Sciences		
Select one of the following (COMP SCI 220 preferred):		3-4
COMP SCI 220	Data Science Programming I	
COMP SCI 200	Programming I	
COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	
COMP SCI 400	Programming III	
Total Credits		**26-27**

MATERIALS SCIENCE AND ENGINEERING REQUIRED COURSES

Code	Title	Credits
M S & E 330	Thermodynamics of Materials	4
M S & E 331	Transport Phenomena in Materials	3
M S & E 332	Macroprocessing of Materials	3
M S & E 333	Microprocessing of Materials	3
M S & E 351	Materials Science-Structure and Property Relations in Solids	3
M S & E 352	Materials Science-Transformation of Solids	3
M S & E 360	Structures & Phases Lab	2
M S & E 361	Kinetics & Thermodynamics Lab	2
M S & E 362	Synthesis & Characterization Lab	3
M S & E/CHEM 421	Polymeric Materials	3
M S & E 441	Deformation of Solids	3
M S & E 451	Introduction to Ceramic Materials	3
M S & E 456	Electronic, Optical, and Magnetic Properties of Materials	3
M S & E 460	Introduction to Computational Materials Science and Engineering	3
M S & E 470	Capstone Project I	1
M S & E 471	Capstone Project II	3
Total Credits		**45**

MATERIALS SCIENCE AND ENGINEERING EMPHASIS ELECTIVES

Code	Title	Credits
Select 6 credits from: M S E courses numbered 400 or above, B M E/PHM SCI 430, M E 417, M E 418, or M E 419 [1]		6
Select 6 credits of select engineering, science and math/ statistics coursework in consultation with an M S E faculty advisor [2]		6
Total Credits		**12**

[1] M S & E 699 Independent Study cannot be used to fulfill this requirement.

[2] Select 6 credits of coursework from M S & E courses numbered 400 or above, other engineering, Biochemistry, Chemistry, Computer Sciences, Math, Physics, Statistics, or Zoology courses numbered 300 or above, or up to 3 credits of combined M S & E 1 Cooperative Education Program and/or M S & E 699 Independent Study research credit (or from another engineering department). M S & E advisor approval of the set of selections is required. Course sets may be broad-based or concentrated in a subfield of materials science and engineering.

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 397	Engineering Communication	3
Total Credits		**6**

LIBERAL STUDIES

Complete 16 credits of liberal studies requirements (p. 254).

- Students must take 16 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following sub-requirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectareas/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D).
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for sub-requirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy sub-requirements 1 and 2 above, but they count only once toward the total required. Note: Some courses may have "e" designation but not

have H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

FREE ELECTIVES

Select 3-4 elective credits.

- The above subject requirements can be met with 123 credits of UW courses. Students must complete 128 credits of coursework to earn the B.S. in materials science and engineering. The 3-4 elective credits may be earned by choosing elective courses that carry more credits than the requirement's minimum credit load or by taking any additional coursework of the student's choice.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
CHEM 109	5	PHYSICS 201, 207, or 247	5
M S & E 260	2	Science Elective	3
Communications A	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	18		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 319 or 320	3
Computer Science Elective	3	PHYSICS 202, 208, or 248	5
M S & E 330	4	M S & E 352	3
M S & E 351	3	M S & E 361	2
M S & E 360	2	Liberal Studies Elective	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
CHEM 341 or 343	3	M S & E 331	3
M S & E 332	3	M S & E 333	3
M S & E 362	3	STAT 324	3
M S & E 451	3	Materials Emphasis Elective	3
Liberal Studies Elective	3	Liberal Studies Elective	4
Free Elective	1		
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
M S & E 456	3	M S & E 471	3
M S & E 470	1	M S & E 441	3
M S & E/CHEM 421	3	M S & E 460	3
Tech Emphasis Elective	3	Materials Emphasis Elective	3
Tech Emphasis Elective	3	INTEREGR 397	3
Free Elective	3		
	16		**15**

Total Credits 128

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students

through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Materials (1), Metallurgical (2), Ceramics (3), and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. Skills and Tools. Graduates will be applying the tools and skills acquired during their undergraduate experience either in post-graduate educational programs or as employees in materials-related industries.
2. Early Career Growth. Graduates will have experienced professional growth in their chosen post-baccalaureate pursuits, for example, through acquisition of advanced degrees or advancement in employment rank.
3. Professional Citizenship. Graduates will have demonstrated awareness of contemporary issues in technology and society and ethical responsibility.
4. Life-Long Learning: Graduates will have demonstrated a continuing commitment to learning.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Materials Science and Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/materials-science-and-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

MECHANICAL ENGINEERING

The Department of Mechanical Engineering (ME) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (mechanical engineering and engineering mechanics, including an option in aerospace engineering) and two graduate degree programs (mechanical engineering and engineering mechanics). The department's faculty conducts research in the areas of advanced manufacturing, biomechanics, computation & data-driven engineering, energy systems, solid & fluid mechanics, and robotics, controls, & sensing. This combination of topics fosters synergies with respect to polymers, mechatronics, aerospace, thermal, materials, additive manufacturing, and fluids. The mechanical engineering undergraduate program has been ranked in the top twelve, and the mechanical engineering graduate program has been ranked in the top seven, among public universities, according to U.S. News and World Report 2022 rankings.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Engineering Mechanics, BS (p. 331)
- Engineering Thermal Energy Systems, Certificate (p. 341)
- Manufacturing Engineering, Certificate (p. 342)
- Mechanical Engineering, BS (p. 344)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

Automatic Controls Lab
Automotive Lab
Computer-Aided Engineering (CAE) Labs
Energy Systems Lab
Engineering Design Research Lab
Experimental Mechanics Lab
Instrumentation Lab
Maker Space
Manufacturing Automation Lab
Mechanical Testing Lab
Mechatronics Lab
Polymer Engineering Center

Robotics and Autonomous Systems Lab
Senior Design Studio
Senior Design Hub
Solar Energy Lab
TEAM Lab

ENGINEERING MECHANICS, BS

With a degree in engineering mechanics, our graduates design, measure, and analyze complex structures in everything from networks of human cells and novel materials constructed at the nanoscale to roller coasters and spacecraft. Engineering mechanics is the home of aerospace engineering (https://guide.wisc.edu/undergraduate/engineering/engineering-physics/engineering-mechanics-bs/engineering-mechanics-aerospace-engineering-bs/) at UW–Madison. Our curriculum prepares students for careers in a wide variety of fields, including health, clean energy, space exploration, and many more.

Engineering mechanics is the study of forces and the resulting deformations, accelerations, motions, vibrations, and other responses they cause. It forms the foundation of aerospace, mechanical or civil engineering, and is fundamental to important parts of biomedical engineering, chemical engineering, materials science, and other engineering disciplines.

Graduates of engineering mechanics apply their expertise in a variety of areas.

Wind turbines, wave power systems, transmission towers, and pipelines all respond to their environments in different ways. The safety and performance of these systems depend on a detailed understanding of how the environmental forces lead to deformations and vibrations that might cause failure. Principles of aerospace engineering are important when wind and water are involved as their flows make the analysis even more challenging, requiring sophisticated mathematical and analytical tools.

At slightly smaller scales, engineering mechanics is fundamental to the design and innovation of vehicles of every type, from sports cars to tractors to aircraft and satellites. Understanding engineering mechanics principles can provide insight to expand the way these vehicles are used while making their operation more sustainable. For some vehicles, aerospace engineering sheds light on their aerodynamic interaction with their environment, as well as the propulsion systems and complexity of controlling vehicles in flight. Landing a rover on Mars requires engineering mechanics to design the rover itself as well as the delivery system.

Innovations in engineering mechanics allow many of the products in our everyday lives to be made lighter, stronger, or cheaper by carefully understanding how they perform and when they fail due to the forces from the outside. In addition to enabling new functionality and aesthetic design, these modifications open the door for improved energy efficiency, selection of green materials, and longer lifetimes, all with broader societal benefits.

Modern technology allows us to fabricate machines at the microscopic scale with moving parts that are only visible under a microscope. Understanding how these micromachines respond to forces from each other or their environment is important to ensure that they function correctly. At this same scale, we can build novel materials whose properties depend on the microscopic structures that define them rather than their chemical composition. Engineering mechanics allows us to design these materials with properties that are not found in nature.

Our curriculum starts with a rich physics and math base to prepare our graduates for advanced analytical and computational skills that they will apply to this range of technologies. We transition from these fundamentals to engineering problem-solving approaches that can be applied to increasingly complex systems, while students build skills in computational modeling and simulation.

As one of the smaller engineering majors, we focus on building a community that supports our students' success during their degree and as they launch their careers. Many students participate in undergraduate research across one of the biggest research portfolios in the College of Engineering. An alumni network across industry sectors – from John Deere to Tesla to Boeing to SpaceX – provides support for students to find internships and launch their careers.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

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CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

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advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

ENGINEERING MECHANICS CURRICULUM

The following curriculum applies to students admitted to the engineering mechanics degree program.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics [1]		22
Science [1]		10
Engineering Science		28
Engineering Mechanics Core		31
EMA Electives		9
Technical Electives		5
Communication Skills		8
Liberal Studies		15
Total Credits		**128**

[1] If the Mathematics and Statistics and the Science requirements are fulfilled with fewer than 30 credits combined, additional math/science credits will be needed to meet the math/science auxiliary credit condition.

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
STAT 324	Introduction to Statistics for Science and Engineering	3
Total Credits		**22**

SCIENCE

Code	Title	Credits
Select one of the following:		5-9
CHEM 109	Advanced General Chemistry [1]	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
Total Credits		**10-14**

[1] It is recommended that students take CHEM 109 Advanced General Chemistry (5 cr). However, depending on their high school chemistry experience, students may substitute this with CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

ENGINEERING SCIENCE

Code	Title	Credits
E M A 200	Introduction to Mechanics and Aerospace [1]	3
or M E 201	Introduction to Mechanical Engineering	
M E 231	Geometric Modeling for Design and Manufacturing	3
COMP SCI 220	Data Science Programming I [2]	4
M S & E 350	Introduction to Materials Science	3
M E 361	Thermodynamics	3
M E 363	Fluid Dynamics	3
or CIV ENGR 310	Fluid Mechanics	
M E 364	Elementary Heat Transfer	3
E C E 376	Electrical and Electronic Circuits	3-4
or PHYSICS 321	Electric Circuits and Electronics	
or E C E 230	Circuit Analysis	
Computing Elective (Select One)		3
E M A/E P 471	Intermediate Problem Solving for Engineers (preferred, only available in the Spring)	
or COMP SCI 471	Introduction to Numerical Methods	
or M E 459	Computing Concepts for Applications in Engineering	
or COMP SCI 320	Data Science Programming II	
or E P/ E M A 476	Introduction to Scientific Computing for Engineering Physics	
Total Credits		**28-29**

1 E M A 200 or M E 201 are preferred introduction to engineering options. E M A 200 is offered in the fall only. M E 201 can be taken in the first or second semester. If a student begins in another engineering major, other introduction to engineering courses can count for the introduction to engineering requirement.

2 COMP SCI 220 Data Science Programming I is the preferred required computer science course. If a student needs to take COMP SCI 300 Programming II to satisfy requirements for another major or certificate, COMP SCI 300 Programming II can count for this computer science requirement.

ENGINEERING MECHANICS CORE

Code	Title	Credits
E M A 201	Statics (with a grade of C or better) [1]	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
E M A/M E 307	Mechanics of Materials Lab	1
E M A 405	Practicum in Finite Elements	3
E M A 469	Design Problems in Engineering	3
E M A 506	Advanced Mechanics of Materials I	3
Experimental Mechanics Elective (Select One)		*3*
E M A/M E 540	Experimental Vibration and Dynamic System Analysis	
E M A 611	Advanced Mechanical Testing of Materials	
E M A 522	Aerodynamics Lab	
E M A 521	Aerodynamics	3
or M E 563	Intermediate Fluid Dynamics	
E M A 542	Advanced Dynamics	3
or E M A 545	Mechanical Vibrations	
E M A 569	Senior Design Project	3
Total Credits		**31**

1 Students may substitute PHYSICS 201 General PhysicsGeneral Physics, 5 credits, for E M A 201 Statics, 3 credits, with the approval of their advisor.

ENGINEERING MECHANICS AND AEROSPACE ENGINEERING ELECTIVES

Code	Title	Credits
Select 9 credits from any E M A course numbered 500 and above		9

TECHNICAL ELECTIVES

Code	Title	Credits
Select 5 credits from the following:		5
E M A 1	Cooperative Education Program (no more than 3 credits)	
Courses numbered 300+ in the College of Engineering except for E P D/INTEREGR		
Up to 3 credits of independent study such as E M A 599; independent study from other engineering subjects may be approved on an individual basis		
Courses numbered 300+ MATH, PHYSICS, COMP SCI, STAT (except STAT 301), ASTRON, MED PHYS, and CHEM departments		
PHYSICS 205	Modern Physics for Engineers	
or PHYSICS 241	Introduction to Modern Physics	
Students may also propose any class that they feel will benefit their education path with pre-requisite of two physics or calculus classes. For these courses the advisor will review the request and if approved, recommend a DARS substitution.		

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations	2
INTEREGR 397	Engineering Communication	3
Total Credits		**8**

LIBERAL STUDIES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete Requirements (p. 254) [1]		15
Total Credits		**15**

[1] Students must take 15 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following sub-requirements:
1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectareas/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D) in the course listing.
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for subrequirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy subrequirements 1 and 2 above, but they count only once toward the total required. *Note:* Some courses may have "e" designation but not H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

TOTAL CREDITS: 128

For information on credit load, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations. (https://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext)

NAMED OPTIONS IN ENGINEERING MECHANICS

Students may elect to declare a named option under the Engineering Mechanics BS. The named option in Aerospace Engineering can be declared as of Fall 2020. The named option in Astronautics is suspended as of Summer 2026; the last term to earn the named option is Summer 2026.

View as listView as grid

- **ENGINEERING MECHANICS: AEROSPACE ENGINEERING (P. 336)**
- **ENGINEERING MECHANICS: ASTRONAUTICS (P. 339)**

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

Qualified undergraduates may earn a Honors in Research designation on their transcript and diploma by completing 6 credits of undergraduate honors research, including a senior thesis. Further information is available in the department office.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 109[1]	5	E M A 201[3]	3
MATH 221	5	MATH 222	4
Communications A	3	M E 231	3
E M A 200 or M E 201[2]	3	M S & E 350	3
or Liberal Studies Elective		Liberal Studies Elective or M E 201[2]	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 320	3
PHYSICS 202	5	STAT 324	3

E M A 202[4]	3	M E 361	3
COMP SCI 220	4	E M A 303[4]	3
INTEREGR 275 (was EPD 275)	2	E M A/M E 307[4]	1
		Liberal Studies Elective	3
	18		**16**

Third Year

Fall	Credits	Spring	Credits
E M A 506	3	E M A 405	3
E M A 542 or 545[5]	3	E C E 376, PHYSICS 321, or E C E 230	3
MATH 321	3	M E 363 or CIV ENGR 310	3
Technical Elective	3	E M A/E P 471	3
INTEREGR 397	3	Technical Elective	2
Liberal Elective	3		
	18		**14**

Fourth Year

Fall	Credits	Spring	Credits
E M A 469	3	E M A 569	3
E M A 521[7]	3	EMA Elective	3
EMA Elective	3	EMA Elective	3
Experimental Mechanics Course[6]	3	M E 364	3
Liberal Studies Elective	3	Liberal Studies Elective	3
	15		**15**

Total Credits 128

1 It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute this with CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

2 E M A 200 or M E 201 are preferred introduction to engineering options. E M A 200 is offered in the fall only. M E 201 can be taken in the first or second semester. If a student begins in another engineering major, other introduction to engineering courses can count for the introduction to engineering requirement.

3 Students may substitute PHYSICS 201 General Physics, 5 credits, for E M A 201 Statics, 3 credits, with the approval of their advisor.

4 After completing E M A 201 Statics, students may take E M A 202 Dynamics and E M A 303 Mechanics of Materials/E M A/M E 307 Mechanics of Materials Lab in either order or concurrently.

5 Students electing E M A 545 Mechanical Vibrations instead of E M A 542 Advanced Dynamics should note that E M A 545 Mechanical Vibrations is typically offered in the spring semester only.

6 E M A 611 Advanced Mechanical Testing of Materials or E M A/M E 540 Experimental Vibration and Dynamic System Analysis or E M A 522 Aerodynamics Lab. Note that E M A/M E 540 is typically offered in the fall. E M A 611 and E M A 522 are typically offered in the spring.

7 M E 563 Intermediate Fluid Dynamics may be substituted for E M A 521 Aerodynamics. Note that M E 563 is typically offered in the spring semester only.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

Mechanics Holographic Lab
Viscoelasticity and Composites Lab
Wisconsin Laboratory for Structures and Materials Testing: Materials Testing Lab
Wind Tunnel Laboratory
Structural Mechanics Lab
Structural Dynamics and Vibrations Lab
Fatigue/Fracture Lab
Instructional Computing Lab (in Computer Aided Engineering)
Research Computing Lab

SCHOLARSHIPS

The College of Engineering has several types of scholarships available to incoming and current engineering students. Students should explore the Wisconsin Scholarship Hub (WiSH), where you can apply to and find specific information on scholarships at UW–Madison. You can use WiSH to find engineering scholarships available through the College of Engineering; the Inclusion, Equity, and Diversity in Engineering Student Center; and other UW and external organizations. (Please note: students must be currently enrolled in, or have applied to, the College of Engineering to be considered for engineering scholarships.) To be matched with these available scholarship funds an application is required and the system is typically open to students in the spring of each year. Questions on the process can be directed to: coescholarships@engr.wisc.edu. Additional financial assistance may be awarded through the Office of Student Financial Aid (https://financialaid.wisc.edu/) (333 E. Campus Mall Room 9701, 608-262-3060).

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Engineering Mechanics and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN ENGINEERING MECHANICS

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. Exhibit strong performance and continuous development in problem-solving, leadership, teamwork, and communication, initially applied to engineering mechanics, and demonstrating an unwavering commitment to excellence.
2. Demonstrate continuing commitment to, and interest in their training and education, as well as those of others.
3. Transition seamlessly into a professional environment and make continuing, well-informed career choices.
4. Contribute to their communities.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Engineering Mechanics Undergraduate Program website. (https://engineering.wisc.edu/programs/degrees/engineering-mechanics-aerospace-bs/) (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

ENGINEERING MECHANICS: AEROSPACE ENGINEERING

~~Engineering mechanics is the home of aerospace engineering at UW–Madison. Some of the most exciting innovations in air and space travel require understanding of the engineering mechanics principles at the heart of this major. Whether there are humans in the cockpit or remote-controlled drones, the interaction of an aircraft with its surroundings results in deformation, vibration, and dynamic motions that are all explained by engineering mechanics. Even without the atmosphere experienced by aircraft, spacecraft, and vehicles that explore distant planets must also withstand a variety of forces and be reliable in environments where repair may not be possible. In both cases, there is a premium on reducing weight and expanding capabilities. This makes aerospace engineering a natural extension of engineering mechanics. Following the same fundamental courses as our engineering mechanics major, students in the aerospace engineering option will apply their education in structural analysis, material science, advanced dynamics, and vibrations to specific courses on aerodynamics, flight dynamics, orbital mechanics, and propulsion. A highlight of this program is the aerodynamics laboratory where students conduct field experiments on the UW–Madison wind tunnel. Talk to your academic advisor about declaring this option.~~

REQUIREMENTS

REQUIREMENTS

The following curriculum applies to students admitted to the engineering mechanics degree program and declare the aerospace option.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics [1]		22
Science [1]		10
Engineering Science		28
Engineering Mechanics/Aerospace Engineering Core		40
Technical Electives		5
Communication Skills		8
Liberal Studies		15
Total Credits		**128**

[1] If the Mathematics and Statistics and the Science requirements are fulfilled with fewer than 30 credits combined, additional math/science credits will be needed to meet the math/science auxiliary credit condition.

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
STAT 324	Introduction to Statistics for Science and Engineering	3
Total Credits		**22**

SCIENCE

Code	Title	Credits
Select one of the following:		5-9
CHEM 109	Advanced General Chemistry [1]	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
Total Credits		**10-14**

[1] It is recommended that students take CHEM 109 Advanced General Chemistry (5 cr). However, depending on their high school chemistry experience, students may substitute CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

ENGINEERING SCIENCE

Code	Title	Credits
E M A 200	Introduction to Mechanics and Aerospace	3
or M E 201	Introduction to Mechanical Engineering	
M E 231	Geometric Modeling for Design and Manufacturing	3
COMP SCI 220	Data Science Programming I [1]	4
M E 361	Thermodynamics	3
M E 363	Fluid Dynamics	3
or CIV ENGR 310	Fluid Mechanics	
E C E 376	Electrical and Electronic Circuits	3
or PHYSICS 321	Electric Circuits and Electronics	
or E C E 230	Circuit Analysis	
M E 364	Elementary Heat Transfer	3
M E 446	Introduction to Feedback Control	3
or E C E 332	Feedback Control Systems	
Computing Elective (select one)		3
E M A/E P 471	Intermediate Problem Solving for Engineers (preferred, only offered in the Spring)	
or COMP SCI 415	Introduction to Numerical Methods	
or M E 459	Computing Concepts for Applications in Engineering	
or COMP SCI 320	Data Science Programming II	
or E P/ E M A 476	Introduction to Scientific Computing for Engineering Physics	
Total Credits		**28**

[1] COMP SCI 220 Data Science Programming I is the preferred required computer science course. If a student needs to take COMP SCI 300 Programming II to satisfy requirements for another major or certificate, COMP SCI 300 Programming II can count for this computer science requirement.

ENGINEERING MECHANICS/AEROSPACE ENGINEERING CORE

Code	Title	Credits
E M A 201	Statics (with a grade of C or better) [1]	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
E M A/M E 307	Mechanics of Materials Lab	1
E M A 405	Practicum in Finite Elements	3
E M A 469	Design Problems in Engineering	3
E M A 506	Advanced Mechanics of Materials I	3
Experimental Mechanics Elective (select one)		3
E M A/M E 540	Experimental Vibration and Dynamic System Analysis	
E M A 611	Advanced Mechanical Testing of Materials	
E M A 522	Aerodynamics Lab	
E M A 521	Aerodynamics	3
or M E 563	Intermediate Fluid Dynamics	
E M A 542	Advanced Dynamics	3
E M A 545	Mechanical Vibrations	3
E M A 569	Senior Design Project	3
Spacecraft Structural Dynamics Elective (select one)		3
E M A/ ASTRON 550	Astrodynamics	
E M A 610	Structural Finite Element Model Validation	
E M A 642	Satellite Dynamics	
Aerospace Fluid Mechanics Elective (select one)		3
E M A 523	Flight Dynamics and Control	
E M A 524	Rocket Propulsion	
Total Credits		**40**

[1] Students may substitute PHYSICS 201 General Physics (5 cr) for E M A 201 Statics (3 cr), with the approval of their advisor.

TECHNICAL ELECTIVES

Code	Title	Credits
Choose five credits from:		5
E M A 1	Cooperative Education Program (no more than 3 credits)	
Courses numbered 300+ in the CoE except for E P D/ INTEREGR		
Up to 3 credits of independent study such as E M A 599; independent study from other engineering subjects may be approved on an individual basis		
Courses numbered 300+ MATH, PHYSICS, COMP SCI, STAT (except STAT 301), ASTRON, MED PHYS, and CHEM departments		
PHYSICS 205	Modern Physics for Engineers	
or PHYSICS 241	Introduction to Modern Physics	
Students may also propose any class that they feel will benefit their education path with pre-requisite of two physics or calculus classes. For these courses the advisor will review the request and if approved, recommend a DARS substitution.		
Total Credits		**5**

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations (was EPD 275)	2
INTEREGR 397	Engineering Communication	3
Total Credits		**8**

LIBERAL STUDIES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete Requirements (p. 254) [1]		15
Total Credits		**15**

[1] Students must take 15 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following subrequirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectareas/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D) in the course listing.
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for subrequirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy subrequirements 1 and 2 above, but they count only once toward the total required. *Note:* Some courses may have "e" designation but not H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

For information on credit load, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext). (https://intranet.engineering.wisc.edu/undergraduate-students/undergraduate-rules-and-regulations/)

HONORS IN UNDERGRADUATE RESEARCH

Qualified undergraduates may earn an Honors in Research designation on their transcript and diploma by completing 6 credits of undergraduate honors research, including a senior thesis. Further information is available in the department office.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

EXAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 109[1]	5	E M A 201[3]	3
MATH 221	5	MATH 222	4
Communications A	3	M E 231	3
E M A 200 or M E 201[2]	3	M E 201[2]	3
or Liberal Studies Elective		or Liberal Studies Elective	
		Liberal Studies Elective	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 320	3
PHYSICS 202	5	STAT 324	3
E M A 202[4]	3	M E 361	3
COMP SCI 220	4	E M A 303[4]	3
INTEREGR 275 (was EPD 275)	2	E M A/M E 307[4]	1
		Liberal Studies Elective	3
	18		**16**

Third Year

Fall	Credits	Spring	Credits
E M A 506	3	E M A 545	3
E M A 405	3	INTEREGR 397	3
E M A 542	3	M E 364	3
M E 363 or CIV ENGR 310	3	E C E 376, PHYSICS 321, or E C E 230	3
MATH 321	3	E M A/E P 471	3
Technical Elective	3		
	18		**15**

Fourth Year

Fall	Credits	Spring	Credits
E M A 469	3	E M A 569	3
E M A 521[6]	3	E M A 523 or 524[7]	3
M E 446 or E C E 332	3	E M A/ASTRON 550, 610, or 642	3
Experimental Mechanics Course[5]	3	Tech Elective	2
Liberal Studies Elective	3	Liberal Studies Elective	3
	15		**14**

Total Credits 128

[1] It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

[2] E M A 200or M E 201 are preferred introduction to engineering options. E M A 200 is offered in the fall only. M E 201 can be taken in

the first or second semester. If a student begins in another engineering major, other introduction to engineering courses can count for the introduction to engineering requirement.

[3] Students may substitute PHYSICS 201 General Physics, 5 credits, for E M A 201 Statics, 3 credits, with the approval of their advisor.

[4] After completing E M A 201 Statics, students may take E M A 202 Dynamics and E M A 303 Mechanics of Materials/E M A/M E 307 Mechanics of Materials Lab in either order or concurrently.

[5] E M A 611 Advanced Mechanical Testing of Materials or E M A/M E 540 Experimental Vibration and Dynamic System Analysis or E M A 522 Aerodynamics Lab. Note that E M A/M E 540 Experimental Vibration and Dynamic System Analysis is typically offered in the fall. E M A 611 Advanced Mechanical Testing of Materials and E M A 522 Aerodynamics Lab are typically offered in the spring.

[6] M E 563 Intermediate Fluid Dynamics may be substituted for E M A 521 Aerodynamics. Note that M E 563 Intermediate Fluid Dynamics is typically offered in the spring semester only.

[7] E M A 523 Flight Dynamics and Control is typically offered in the Spring semester only. E M A 524 Rocket Propulsion is typically offered in the Fall semester only.

ENGINEERING MECHANICS: ASTRONAUTICS

Admissions to the Engineering Mechanics: Astronautics Named Option have been suspended as of fall 2020 and will be discontinued as of fall 2026. If you have any questions, please contact the department (https://engineering.wisc.edu/departments/mechanical-engineering/).

The astronautics option in engineering mechanics prepares students for design, development, and research, with an emphasis on applied mathematics and astronautics. Its purpose is to improve and expand the educational opportunities of students at the university who wish to pursue careers in astronautics and space-related areas. This is accomplished by providing in depth exposure to course sequences in astrodynamics, orbital mechanics, and flight dynamics, as well as a core curriculum of structural and material analysis, advanced dynamics, and vibrations. The program requires a minimum of 128 credits.

REQUIREMENTS

REQUIREMENTS

The following curriculum applies to students admitted to the engineering mechanics degree program and declared the astronautics option.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		22
Science		10
Engineering Science		27
Engineering Mechanics/Astronautics Core		40
Technical Electives		5
Communication Skills		8
Liberal Studies		16
Total Credits		**128**

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
STAT 324	Introduction to Statistics for Science and Engineering	3
Total Credits		**22**

SCIENCE

Code	Title	Credits
Select one of the following:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
Total Credits		**10-14**

ENGINEERING SCIENCE

Code	Title	Credits
INTEREGR 170	Design Practicum	3
M E 231	Geometric Modeling for Design and Manufacturing	3
E P 271	Engineering Problem Solving I	3
or COMP SCI 200	Programming I	
or COMP SCI 220	Data Science Programming I	
or COMP SCI 310	Problem Solving Using Computers	
M E 361	Thermodynamics	3
M E 363	Fluid Dynamics	3
or CIV ENGR 310	Fluid Mechanics	
E C E 376	Electrical and Electronic Circuits	3
or PHYSICS 321	Electric Circuits and Electronics	
M E 364	Elementary Heat Transfer	3
E C E 332	Feedback Control Systems	3
or M E 446	Introduction to Feedback Control	
Computing Elective (select one)		3
COMP SCI 300	Programming II	
COMP SCI 412	Introduction to Numerical Methods	
E M A/E P 471	Intermediate Problem Solving for Engineers	
E M A/E P 476	Introduction to Scientific Computing for Engineering Physics	
Total Credits		**27**

ENGINEERING MECHANICS/ASTRONAUTICS CORE

Code	Title	Credits
Required Courses		
E M A 201	Statics	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
E M A/M E 307	Mechanics of Materials Lab	1
E M A 405	Practicum in Finite Elements	3
E M A 469	Design Problems in Engineering	3
E M A 506	Advanced Mechanics of Materials I	3
Experimental Mechanics		
Select one of the following:		3
E M A/M E 540	Experimental Vibration and Dynamic System Analysis	
E M A/M E 570	Experimental Mechanics	
E M A 611	Advanced Mechanical Testing of Materials	
E M A 522	Aerodynamics Lab	
E M A 521	Aerodynamics	3
or M E 563	Intermediate Fluid Dynamics	
E M A 542	Advanced Dynamics	3
E M A 545	Mechanical Vibrations	3
E M A 569	Senior Design Project	3
Spacecraft Structural Dynamics Elective (select one)		**3**
E M A/ ASTRON 550	Astrodynamics	
E M A 610	Structural Finite Element Model Validation	
E M A 642	Satellite Dynamics	
Aerospace Fluid Mechanics Elective (select one)		**3**
E M A 523	Flight Dynamics and Control	
E M A 601	Special Topics in Engineering Mechanics (Topic: Rocket Propulsion)	
or E M A 524	Rocket Propulsion	
Total Credits		**40**

TECHNICAL ELECTIVES

Code	Title	Credits
Select five credits at an academic level that requires 2 semesters of calculus or 2 semesters of physics as a prerequisite. E M A 1 may also be used to satisfy this requirement.		5

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or COM ARTS 100	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations (was EPD 275)	2
INTEREGR 397	Engineering Communication	3
Total Credits		**8**

LIBERAL STUDIES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete Requirements (p. 254) [1]		16
Total Credits		**16**

[1] Students must take 16 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following subrequirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectareas/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D) in the course listing.
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for subrequirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy subrequirements 1 and 2 above, but they count only once toward the total required. *Note:* Some courses may have "e" designation but not H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

HONORS IN UNDERGRADUATE RESEARCH

Qualified undergraduates may earn an Honors in Research designation on their transcript and diploma by completing 8 credits of undergraduate honors research, including a senior thesis. Further information is available in the department office.

For information on credit load, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

ASTRONAUTICS OPTION IN ENGINEERING MECHANICS

Example Four-Year Plan

First Year

Fall	Credits	Spring	Credits
CHEM 109[1]	5	E M A 201[3]	3
MATH 221	5	MATH 222	4
Communications A	3	M E 231	3
INTEREGR 170[2]	3	Liberal Studies Elective or	3
or Liberal Studies Elective		INTEREGR 170[2]	

		Liberal Studies Elective	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 320	3
PHYSICS 202	5	Technical Elective	3
E M A 202[4]	3	M E 361	3
E P 271 or COMP SCI 310	3	E M A 303[4]	3
INTEREGR 275	2	E M A/M E 307[4]	1
		Liberal Studies Elective	3
	17		**16**

Third Year

Fall	Credits	Spring	Credits
E M A 506	3	E M A 545	3
E M A 405	3	INTEREGR 397	3
E M A 542	3	M E 364	3
M E 363 or CIV ENGR 310	3	STAT 324	3
MATH 321	3	Computing Elective	3
		Experimental Mechanics Course[5]	3
	15		**18**

Fourth Year

Fall	Credits	Spring	Credits
E M A 469	3	E M A 569	3
E M A 521[6]	3	E M A 523 or 524[7]	3
E C E 376 or PHYSICS 321	3	E M A/ASTRON 550, 610, or 642	3
E C E 332 or M E 446	3	Tech Elective	2
Liberal Studies Elective	4	Liberal Studies Elective	3
	16		**14**

Total Credits 128

1 It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

2 Students who were not able to take INTEREGR 170 (https://guide.wisc.edu/search/?P=INTEREGR%20170) Design Practicum as freshmen may, with the approval of their advisor, substitute a course offered in the College of Engineering or in the departments of Chemistry, Computer Sciences, Mathematics, and Physics.

3 Students may substitute PHYSICS 201 General Physics , 5 credits, for E M A 201 Statics, 3 credits, with the approval of their advisor.

4 After completing E M A 201 Statics, students may take E M A 202 Dynamics and E M A 303 Mechanics of Materials/E M A/M E 307 Mechanics of Materials Lab in either order or concurrently.

5 E M A 611 Advanced Mechanical Testing of Materials or E M A/M E 540 Experimental Vibration and Dynamic System Analysis or E M A/M E 570 Experimental Mechanics or E M A 522 Aerodynamics Lab. Note that E M A/M E 540 and E M A/M E 570 are typically offered in the fall. E M A 611 and E M A 522 are typically offered in the spring.

6 M E 563 Intermediate Fluid Dynamics may be substituted for E M A 521 Aerodynamics. Note that M E 563 is offered in the spring semester only.

7 Before Fall 2020, E M A 524 Rocket Propulsion was offered as E M A 601 Special Topics in Engineering Mechanics with the topic of Rocket Propulsion. It is offered in the fall semester only. E M A 523 Flight Dynamics and Control is offered in the Spring semester only.

ENGINEERING THERMAL ENERGY SYSTEMS, CERTIFICATE

Efficient use of thermal energy is an increasingly popular area of interest for UW–Madison engineering students and employers. The objective of the certificate in engineering thermal energy systems program is to provide students in the College of Engineering with an organized set of courses that will improve their capacity to analyze and design innovative thermal energy systems. These systems include, but are not limited to, energy conversion systems and their fuels, refrigeration, combustion, and solar energy. Thermal energy systems either employ thermal energy directly or convert thermal energy to other energy forms.

HOW TO GET IN

HOW TO GET IN

Students who wish to apply for admission into this certificate program will need to complete a major/certificate declaration form obtained from the student services office. Once approved by the student services office and the student's faculty advisor, the form will be forwarded to the Dean's Office to be added to the student record. The student services office will, in conjunction with the student's advisor and curriculum committee chair, assist the student in selecting appropriate courses that fulfill certificate requirements. If a Special student does not have a home department in the College of Engineering, the Department of Mechanical Engineering will advise and sponsor the student in this program. To receive the certificate, the applicant must achieve a GPA of 3.0 or higher in the proposed courses listed on the completed form.

Submit the completed Declaration of Intent Form (https://go.wisc.edu/u9x8g2/) to student services.

REQUIREMENTS

REQUIREMENTS

The certificate, geared toward UW–Madison undergraduate students, requires a total of 18 completed credits. Up to 9 of the credits can be thermal-energy-related courses that are required in the student's undergraduate major. The additional 9 credits must be selected from an assortment of approved elective courses in the College of Engineering.

COURSES

Courses not on this list must be specifically approved by the certificate curriculum committee.

Code	Title	Credits
Mechanical Engineering		
M E 460	Applied Thermal / Structural Finite Element Analysis	3
M E 461	Thermal Systems Modeling	3
M E 469	Internal Combustion Engines	3

M E 471	Gas Turbine and Jet Propulsion	3
M E 472	Energy, Sustainability, and Technology	3
M E/N E 520	Two-Phase Flow and Heat Transfer	3
M E 561	Intermediate Thermodynamics	3
M E 563	Intermediate Fluid Dynamics	3
M E 564	Heat Transfer	3
M E/N E 565	Power Plant Technology	3
M E/E P 566	Cryogenics	3
M E/CBE 567	Solar Energy Technology	3
M E 569	Applied Combustion	3
M E 572	Intermediate Gas Dynamics	3
M E 573	Computational Fluid Dynamics	3
Chemical and Biological Engineering		
CBE 320	Introductory Transport Phenomena	4
CBE 430	Chemical Kinetics and Reactor Design	3
CBE 440	Chemical Engineering Materials	3
CBE/M E 567	Solar Energy Technology	3
CBE 535	Heterogeneous Catalysis: Principles and Applications	3
Civil and Environmental Engineering		
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
Engineering Mechanics and Astronautics		
E M A 521	Aerodynamics	3
E M A 522	Aerodynamics Lab	3
E M A 524	Rocket Propulsion	3
Nuclear Engineering		
N E 411	Nuclear Reactor Engineering	3
N E/M E 520	Two-Phase Flow and Heat Transfer	3
N E 550	Advanced Nuclear Power Engineering	3
N E/M E 565	Power Plant Technology	3
E P/M E 566	Cryogenics	3
Biological Systems Engineering		
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
Materials Science and Engineering		
M S & E 463	Materials for Elevated Temperature Service	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Follow a directed sequence of technical elective courses specializing in thermal energy systems.
2. Synthesize knowledge gained from a curriculum that focuses on applying fundamentals of engineering to the analysis of thermal energy systems.
3. Be prepared for the job market with a solid background in the energy field.

MANUFACTURING ENGINEERING, CERTIFICATE

OVERVIEW

Are you a student interested in manufacturing? Do you like drawing on a variety of skills and knowledge to solve complex problems? If so, you may wish to consider this certificate.

Because manufacturing itself is complex and broad, manufacturing engineers apply many engineering principles and work in a multidisciplinary world. This certificate allows students to emphasize either manufacturing systems or manufacturing processes—or, they can choose to spread courses evenly across both. Through this certificate, students will gain an understanding of these two areas of manufacturing. Undergraduates in industrial and systems engineering or mechanical engineering can pursue this certificate without adding time to the degree.

HOW TO GET IN

HOW TO GET IN

ENROLLMENT

This undergraduate certificate is open to all undergraduate students at the University of Wisconsin–Madison. Mechanical Engineering and Industrial & Systems Engineering students can complete this certificate without adding time to degree.

DECLARATION

Declaring the undergraduate Certificate in Manufacturing Engineering requires:

- Undergraduate standing at UW–Madison
- Cumulative GPA (at UW–Madison) greater than or equal to 3.0
- Intro to Machining with additional CNC 1 training complete (College of Engineering D (https://di.engr.wisc.edu/training/)esign Innovation Lab (https://making.engr.wisc.edu/) at ECB)
- Completion of the declaration form
- Meeting with a faculty advisor

Students must complete a declaration form (https://go.wisc.edu/ame0j3/), obtain the required signatures, and bring the form to one of the academic advisors for the Department of Mechanical Engineering located in 1410 Engineering Drive, Suite 170. The form will be used to ensure that students have completed the Intro to Machining with additional CNC 1

training complete in the College of Engineering Design Innovation Lab at ECB, meet the GPA requirement for declaration, meet the course grade requirement for courses already completed, and list courses that are planned in order to satisfy the certificate program. The form will contain fields for the following information:

- Study plan (courses that have been taken, are being taken, and plan to take)
  - Core courses
  - Elective courses
  - Grades for any courses that have already been taken
  - When future courses will be taken
- Cumulative GPA at time of declaration
- Expected graduation date
- Major
- Signature from a key program faculty member indicating that the student meets the declaration requirements and has discussed the study plan with the faculty member

COMPLETION

In order to successfully complete the undergraduate certificate in manufacturing engineering, students must:

- Have declared the certificate
- Maintain a cumulative GPA of 3.0 or greater for the courses taken for the certificate. If a course is repeated, the average of the grades received in the course will be used in calculating the cumulative GPA.
- Have received a grade of BC or higher in all courses taken for the certificate. If a course is repeated, the highest grade received in the course is used for this criteria.

REQUIREMENTS

REQUIREMENTS

The core courses were chosen to include three manufacturing process-focused courses as well as two manufacturing systems-focused courses. A manufacturing engineer must be multidisciplinary because of the complex and broad nature of manufacturing as an application of many engineering principles. The objective of the core course requirements is to provide students with basic understanding of manufacturing systems and basic understanding of manufacturing processes.

The certificate requires a total of 18 credits.

Code	Title	Credits
Core Courses		
Complete 9 credits with a grade of BC or better:		9
M S & E 332	Macroprocessing of Materials	
M E 310	Manufacturing: Polymer Processing and Engineering	
M E 311	Manufacturing: Metals and Automation [1]	
I SY E 315	Production Planning and Control	
I SY E 415	Introduction to Manufacturing Systems, Design and Analysis [1]	
Elective Courses		
Complete 9 credits from any of the following Elective Courses with a grade of BC or better, with at least one course from each of the two categories:		9
1. Mechanical and Materials Engineering Electives		
M E 311	Manufacturing: Metals and Automation [1]	
M E 417	Transport Phenomena in Polymer Processing	
M E 418	Engineering Design with Polymers	
M E 419	Fundamentals of Injection Molding	
M E 429	Metal Cutting	
M E 437	Advanced Materials Selection	
M E/E C E 439	Introduction to Robotics	
M E 446	Introduction to Feedback Control	
M E 447	Computer Control of Machines and Processes	
M E 449	Redesign and Prototype Fabrication	
M E 514	Polymer Additive Manufacturing	
M E 535	Computer-Aided Geometric Design	
M E/E C E 576	Printed and Flexible Electronics: Manufacturing, Devices, and Applications	
M E 601	Special Topics in Mechanical Engineering (Advanced Automation Integration)	
M S & E 332	Macroprocessing of Materials [1]	
M S & E 333	Microprocessing of Materials	
M S & E 401	Special Topics in Materials Science and Engineering (Topic: Metal Additive Manufacturing or Topic: Alloy Design)	
M S & E 461	Advanced Metal Casting	
M S & E 465	Fundamentals of Heat Treatment	
2. Industrial Systems Engineering Electives		
I SY E 412	Fundamentals of Industrial Data Analytics	
I SY E 415	Introduction to Manufacturing Systems, Design and Analysis [1]	
I SY E/M E 510	Facilities Planning	
I SY E/M E 512	Inspection, Quality Control and Reliability	
I SY E/B M E 564	Occupational Ergonomics and Biomechanics	
I SY E 575	Introduction to Quality Engineering	
I SY E 604	Special Topics in Manufacturing and Supply Chain Management	
I SY E 605	Computer Integrated Manufacturing	
I SY E 615	Production Systems Control	
I SY E/M E 641	Design and Analysis of Manufacturing Systems	
I SY E/M E 643	Performance Analysis of Manufacturing Systems	
Total Credits		**18**

[1] If M E 311 Manufacturing: Metals and Automation, M S & E 332 Macroprocessing of Materials and/or I SY E 415 Introduction to Manufacturing Systems, Design and Analysis are taken as part of the Core Course Requirement, then they cannot also count as an elective.

No exceptions or substitutions to the core courses are allowed.

Elective courses not listed must be specifically approved by the curriculum committee of the department teaching the course. The request must include the course number, course name, name and contact information for the professor currently teaching or planning to teach the course; syllabus; and which category it should be listed under. Courses that are approved by the curriculum committee of the department teaching the course must be sent to the certificate program director. Only formal courses will be considered.

Only courses taken for a letter grade count toward this certificate. Only courses in which a grade of BC or better is received count toward this certificate. Courses taken at other institutions may be counted toward this certificate if they have been identified as equivalent through the existing process. At least 50% of the courses (i.e., three courses) for this certificate must be earned in residence on the UW–Madison campus.

Students must maintain a cumulative GPA of 3.0 or better for the courses taken for this certificate. If a course is repeated, the average of the grades received in the course will be used in calculating the cumulative GPA.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate knowledge of the fundamental concepts of manufacturing discrete parts.
2. Utilize skills related to manufacturing engineering.
3. Communicate effectively in the methods related to manufacturing engineering.
4. Generate solutions to problems that may arise in manufacturing engineering.

MECHANICAL ENGINEERING, BS

The Department of Mechanical Engineering (ME) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (mechanical engineering and engineering mechanics, including an option in aerospace engineering) and two graduate degree programs (mechanical engineering and engineering mechanics). The department's faculty conducts research in the areas of advanced manufacturing, biomechanics, computation & data-driven engineering, energy systems, solid & fluid mechanics, and robotics, controls, & sensing. This combination of topics fosters synergies with respect to polymers, mechatronics, aerospace, thermal, materials, additive manufacturing, and fluids. The mechanical engineering undergraduate program has been ranked in the top twelve, and the mechanical engineering graduate program has been ranked in the top seven, among public universities, according to U.S. News and World Report 2022 rankings.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the Mechanical Engineering degree program.

Code	Title	Credits
Mathematics and Statistics		19
Basic Science		13-14
Non–Mechanical Engineering		6
Mechanical Engineering Core		54
Technical Electives		12
Math/Science Electives		3
Communication Skills		6
Liberal Studies		15
Total Credits		**128**

MATHEMATICS/STATISTICS [1]

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations [2]	3
STAT 324	Introduction to Statistics for Science and Engineering	3
or I SY E 210	Introduction to Industrial Statistics	
Total Credits		**19**

1. All students must have the equivalent of the above courses. If the above requirement is fulfilled with fewer than 19 credits, additional math/science credits may be needed to meet the math/science auxiliary credit condition.
   Transfer students may fulfill the statistics requirement with other statistics courses having a calculus prerequisite and the approval of the mechanical engineering department.
2. The MATH 320 requirement may also be satisfied by combining MATH 319 and MATH 340. In that case, MATH 340 may count towards Math/Science elective or non-ME technical elective requirements.

BASIC SCIENCE [1]

Code	Title	Credits
Select one of the following:		4-5
CHEM 103	General Chemistry I	
or CHEM 104	General Chemistry II	
or CHEM 109	Advanced General Chemistry	
COMP SCI 220	Data Science Programming I [2]	4
PHYSICS 202	General Physics [3]	5
Total Credits		**13-14**

1. Basic science courses, excluding Computer Science courses, are included in the math/science auxiliary credit condition.
2. COMP SCI 220 Data Science Programming I is the preferred required computer science course. If a student needs to take COMP SCI 300 Programming II to satisfy requirements for another major or certificate, COMP SCI 300 Programming II can count for the computer science requirement.
3. Students following the normal M E course sequence need not take PHYSICS 201 General Physics to satisfy the prerequisites for PHYSICS 202 General Physics.

NON-MECHANICAL ENGINEERING

Code	Title	Credits
E M A 201	Statics (with a grade of C or better)	3
M S & E 350	Introduction to Materials Science	3
Total Credits		**6**

MECHANICAL ENGINEERING CORE

Code	Title	Credits
E M A 202	Dynamics (with a grade of C or better)	3
E M A 303	Mechanics of Materials (with a grade of C or better)	3
M E 201	Introduction to Mechanical Engineering [1]	3
M E 231	Geometric Modeling for Design and Manufacturing	3
M E/E M A 307	Mechanics of Materials Lab	1
M E 310	Manufacturing: Polymer Processing and Engineering	3
M E 311	Manufacturing: Metals and Automation	3
M E 331	Computer-Aided Engineering	3
M E 340	Dynamic Systems	3
M E 342	Design of Machine Elements	3
M E 351 & M E 352	Interdisciplinary Experiential Design Projects I and Interdisciplinary Experiential Design Projects II	6
M E 361	Thermodynamics (with a grade of C or better)	3
M E 363	Fluid Dynamics	3
M E 364	Elementary Heat Transfer	3
M E 368	Engineering Measurements and Instrumentation	4
M E 370	Energy Systems Laboratory	3
M E 376	Introduction to Mechatronics	4
Total Credits		**54**

[1] M E 201 Introduction to Mechanical Engineering is the preferred introduction to engineering course. If a student begins in another engineering major, other introduction to engineering courses can count for the introduction to engineering requirement.

TECHNICAL ELECTIVES

Code	Title	Credits
The mechanical engineering curriculum requires a total of 12 credits of technical electives. A minimum of 3 of those 12 credits must be from formal M E courses numbered 400 and higher. A formal course is defined as a class that meets regularly in a lecture format to study a selected topic. The educational mission is assisted with homework and exams. Formal courses include online courses but do not include seminar, survey, independent study, research, topics, or similar courses.		12
Additional technical electives may include formal courses in engineering, mathematics, physics, chemistry, statistics, and computer science courses numbered 400 and higher. Course choices may impact the math/science auxiliary credit condition. INTEREGR and E P D courses are limited to those listed below. The following courses are also accepted as technical electives:		
ANAT&PHY 335	Physiology	5
BSE 364	Engineering Properties of Food and Biological Materials	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
CBE 320	Introductory Transport Phenomena	4
CBE 326	Momentum and Heat Transfer Operations	3
CHEM 341	Elementary Organic Chemistry	3
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR/ G L E 330	Soil Mechanics	3
CIV ENGR 340	Structural Analysis I	3
CIV ENGR 370	Transportation Engineering	3
CIV ENGR 392	Building Information Modeling (BIM)	3
CIV ENGR 415	Hydrology	3
CNSR SCI 555	Consumer Design Strategies & Evaluation	3
CNSR SCI 657	Consumer Behavior	3
COMP SCI 300	Programming II	3
COMP SCI 320	Data Science Programming II	4
COMP SCI/ E C E 354	Machine Organization and Programming	3
DS 341	Design Thinking for Transformation	3
E C E 320	Electrodynamics II	3
E C E 330	Signals and Systems	3
E C E 340	Electronic Circuits I	3
E C E 342	Electronic Circuits II	3
E C E/ COMP SCI 352	Digital System Fundamentals	3
E C E 353	Introduction to Microprocessor Systems	3
E C E/ COMP SCI 354	Machine Organization and Programming	3
E C E 355	Electromechanical Energy Conversion	3
E C E 356	Electric Power Processing for Alternative Energy Systems	3
E P D 660	Core Competencies of Sustainability	3
INFO SYS 371	Technology of Computer-Based Business Systems	3
INTEREGR 303	Applied Leadership Competencies in Engineering	3
INTEREGR 477	Tools for Prototyping and Manufacturing	1-3
I SY E 315	Production Planning and Control	3
I SY E 323	Operations Research-Deterministic Modeling	3
I SY E/PSYCH 349	Introduction to Human Factors	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	3

M E 273	Engineering Problem Solving with EES	1
M S & E 330	Thermodynamics of Materials	4
M S & E 332	Macroprocessing of Materials	3
M S & E 352	Materials Science-Transformation of Solids	3
NAV SCI 301	Naval Engineering	3
N E 305	Fundamentals of Nuclear Engineering	3
PHYSICS 205	Modern Physics for Engineers	3
PHYSICS 241	Introduction to Modern Physics	3
PHYSICS 311	Mechanics	3
PHYSICS 321	Electric Circuits and Electronics	4
PHYSICS 322	Electromagnetic Fields	3
PHYSICS 325	Optics	4
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3
STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	3
STAT 333	Applied Regression Analysis	3
STAT 349	Introduction to Time Series	3
STAT 351	Introductory Nonparametric Statistics	3

Up to 3 technical elective credits may be obtained for non-formal courses such as independent study courses (M E 489, M E 491, M E 492, and other engineering independent study courses numbered 399 and higher); Cooperative Education (M E 1); and E P D 690, "Wisconsin Engineer Magazine." Students may propose a course that they feel will benefit their mechanical engineering education path. To be a strong candidate, the proposed course should have pre-requisites of two physics or calculus courses. For these courses, the ME curriculum committee will review the request and if approved, recommend a DARS substitution.

MATH/SCIENCE ELECTIVES

Code	Title	Credits
The mechanical engineering curriculum requires 3 credits of math/science electives. CHEM 104 or CHEM 109, any formal course listed as a biological science and numbered 100 or higher, any non-engineering formal course listed with physical or natural science breadth and numbered 200 or higher will satisfy this requirement. If the math/science auxiliary credit condition is met with additional coursework, the math/science elective requirement may be met with a formal course offered by an engineering department numbered 200 and above (except INTEREGR and E P D).		3
Total Credits		**3**

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or LSC 100	Science and Storytelling	
or COM ARTS 100	Introduction to Speech Composition	
or ESL 118	Academic Writing II	
INTEREGR 397	Engineering Communication	3
Total Credits		**6**

LIBERAL ELECTIVES

Code	Title	Credits
The Mechanical Engineering curriculum requires 15 credits of liberal elective courses. See College of Engineering Liberal Studies Requirements for details.		
Complete Requirements (p. 254)		15
Total Credits		**15**

ADDITIONAL INFORMATION

Students fulfilling all course requirements with fewer than 128 credits must comply with the credit minimum by taking additional free elective credits. Students must meet the math/science auxiliary credit condition with a minimum of 30 credits. Students in good academic standing may take free elective courses pass/fail (see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext) for details). Pass/fail courses do not count toward specific degree requirements.

Independent Studies and projects courses:

Code	Title	Credits
M E 291	Undergraduate Mechanical Engineering Projects	1-3
M E 299	Independent Study	1-3
M E 489	Honors in Research	1-3
M E 491	Mechanical Engineering Projects I	1-3
M E 492	Mechanical Engineering Projects II	1-3

Students must have a cumulative 2.5 GPA or a 3.0 GPA for their previous two semesters and have written permission to enroll from their research advisor.

For information on credit loads, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext).

HONORS IN RESEARCH PROGRAM

The ME Department's Undergraduate Honors in Research Program allows students to participate in the creation of new knowledge and experience the excitement of the research process. Students in the program write and submit a senior thesis. Admission requirements include:

- At least two semesters completed on the Madison campus with a cumulative GPA of at least 3.5;
- Majoring in Mechanical Engineering;
- Approval of an appropriate professor who will serve as the thesis advisor.

The "Honors in Research" designation will be awarded to graduates who meet the following requirements:

- Satisfaction of the requirements for an undergraduate degree in Mechanical Engineering;
- A cumulative GPA of at least 3.3;

- Completion of a total of at least 6 credits of M E 489 Honors in Research;
- Receive a final grade of at least "B" in M E 489;
- Completion of senior thesis.

Students must certify completion of the program with their M E 489 advisor the term they intend to graduate. To certify program completion students must complete the appropriate form and submit to student services.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
CHEM 103, 104, or 109[1]	4	E M A 201[2]	3
M E 201	3	M E 231	3
or Communications A		Communications A or	3
Liberal Studies Elective	3	M E 201	
		Liberal Studies Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
E M A 303[2]	3	E M A 202[2]	3
MATH 234	4	MATH 320	3
M E/E M A 307	1	PHYSICS 202	5
COMP SCI 220	4	M S & E 350	3
Liberal Studies Elective	3	STAT 324 or I SY E 210	3
	15		**17**

Third Year

Fall	Credits	Spring	Credits
M E 331	3	M E 342	3
M E 361[2]	3	M E 363	3
M E 340	3	INTEREGR 397	3
Math/Science Elective	3	M E 376	4
M E 310	3	M E 311	3
Liberal Studies Elective	3		
	18		**16**

Fourth Year

Fall	Credits	Spring	Credits
M E 351	3	M E 352	3
M E 364	3	M E 370	3
M E 368	4	Technical Elective	3
Technical Elective	3	Technical Elective	3
Technical Elective	3	Liberal Studies Elective	3
	16		**15**

Total Credits 128

[1] CHEM 109 Advanced General Chemistry may be taken in place of CHEM 103 General Chemistry I. If CHEM 103 is taken, students may need to take additional free electives to meet the minimum number of credits required for the degree.

[2] E M A 201 Statics, E M A 202 Dynamics, E M A 303 Mechanics of Materials, and M E 361 Thermodynamics each require a minimum grade of C.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Mechanical and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. Whatever path our graduates may choose, we expect them to be meeting the following objectives at least three to five years after graduation:

1. They will exhibit a fundamental understanding of broader engineering disciplines with strong skills in mechanical engineering, problem solving, leadership, teamwork, and communication.
2. They will use these skills to contribute to their organizations and communities.
3. They will make thoughtful, well-informed decisions in their career and life.
4. They will demonstrate a continuing commitment to and interest in their own and other's education.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Mechanical Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/mechanical-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

NUCLEAR ENGINEERING AND ENGINEERING PHYSICS

The Department of Nuclear Engineering & Engineering Physics (NEEP) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (nuclear engineering, including an option in radiation sciences and a fusion plasma focus area; and engineering physics) and one graduate degree program (nuclear engineering and engineering physics). The department's faculty conducts research in the areas of nuclear systems, and plasma physics and fusion energy science. This combination of topics fosters synergies with respect to neutronics, nuclear materials, fluid dynamics, and computation. The graduate nuclear engineering program has been ranked in the top six nationally by *U.S. News and World Report* in each of the past ten years.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Engineering for Energy Sustainability, Certificate (p. 350)
- Engineering Physics, BS (p. 351)
- Nuclear Engineering Materials, Certificate (p. 357)
- Nuclear Engineering, BS (p. 358)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

- Fluid Mechanics and Heat Transfer Laboratories
- Instructional Computing Labs (in Computer Aided Engineering)
- Ion Beam Laboratory
- Nanomechanics Laboratory
- Nuclear Instrumentation Laboratory
- Plasma Physics Laboratories
- Superconductivity and Cryogenics Laboratories
- University of Wisconsin Nuclear Reactor

SCHOLARSHIPS

The Department of Nuclear Engineering & Engineering Physics and the College of Engineering have several types of scholarships available to incoming and current engineering students. Students should explore the Wisconsin Scholarship Hub (WiSH) to apply for and find specific information on scholarships at UW–Madison. You can use WiSH to find engineering scholarships available through the College of Engineering; the Inclusion, Equity, and Diversity in Engineering Student Center; the Nuclear Engineering & Engineering Physics Department; and other UW and external organizations. (Please note: students must be currently enrolled in, or have applied to, the College of Engineering to be considered for engineering scholarships.) To be matched with these available scholarship funds an application is required, and the system is typically open to students in the spring of each year. Questions on the process can be directed to coescholarships@engr.wisc.edu. Additional financial assistance may be awarded through the Office of Student Financial Aid (https://financialaid.wisc.edu/) (333 E. Campus Mall Room 9701; 608-262-3060).

ENGINEERING FOR ENERGY SUSTAINABILITY, CERTIFICATE

Equity and sustainability of energy resources in the face of increasing global population and economic development are key issues at the center of the public discourse today. The objective of this certificate program is to offer undergraduate students a suite of courses addressing energy sustainability. The courses span across the engineering curriculum, with firm roots in real-world design and engineering practices.

Students enrolled as degree-seeking undergraduates with a plan of study to fulfill the certificate requirements may enroll in the program. Applications may be submitted at any time, but students are encouraged to apply early in their undergraduate careers in order to ensure successful completion of the program; however, students may take courses that fulfill certificate requirements before submitting an application.

HOW TO GET IN

HOW TO GET IN

DECLARING THE CERTIFICATE

A student who is interested in declaring the certificate must complete an online application form (https://engineering.wisc.edu/programs/certificates/energy-sustainability/declaration/). The application form requires students to fill out a tentative study plan for completing the certificate requirements.

Certificate Application Form (https://engineering.wisc.edu/programs/certificates/energy-sustainability/declaration/)

Prior to completing the application form, students should either schedule a meeting with the certificate advisor/coordinator or complete an online orientation (https://uwmadison.co1.qualtrics.com/jfe/form/SV_0VAuEcR28ZNnTyB/) involving a short series of videos and accompanying questions.

Applications may be submitted at any time, but students are encouraged to apply early in their undergraduate careers in order to ensure successful completion of the program. Engineering students must meet progression requirements in their selected major before the certificate can be added to their record.

REQUIREMENTS

REQUIREMENTS

Total credits required for certificate completion: Minimum of 16

- Minimum of 6 credits required in Liberal Studies and Science category (including one foundational course option)
- Minimum of 6 credits required in Engineering category (including one foundational course option)
- Additional 3 credits from either category above, or students may substitute an applied course such as senior capstone or independent study (with approval). See note under the Capstone heading below.
- 1 credit required in Seminar category
- Grade point average of 2.5 or above for all coursework that counts for the certificate

LIBERAL STUDIES AND SCIENCE

Code	Title	Credits
Liberal Studies and Science Foundational Courses		
Choose one of the following courses:		3
A A E 246	Climate Change Economics and Policy	
A A E/ECON 371	Energy, Resources and Economics	
ENVIR ST 349	Climate Change Governance	
ENVIR ST/ GEOSCI 411	Energy Resources	
ENVIR ST/ A A E/ECON/ URB R PL 671	Energy Economics	
PHYSICS 115	Energy and Climate	
Electives or any Liberal Studies and Science Foundational Course		
Choose from any course below or above		3
ENVIR ST 112	Environmental Studies: Social Science Perspectives	
ENVIR ST 113	Environmental Studies: Environmental Humanities	
ENVIR ST/ILS 126	Principles of Environmental Science	
ENVIR ST/ GEOG 139	Global Environmental Issues	
ENVIR ST/ A A E 244	The Environment and the Global Economy	
ENVIR ST/ GEOG 339	Environmental Conservation	
ENVIR ST/A A E/ ECON 343	Environmental Economics	
ENVIR ST/ ATM OCN 355	Introduction to Air Quality	
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	
Total Credits		**6**

ENGINEERING

Code	Title	Credits
Engineering Foundational Courses		
Choose one of the following courses:		3
BSE/ ENVIR ST 367	Renewable Energy Systems	
CBE 512	Energy Technologies and Sustainability	
E C E 356	Electric Power Processing for Alternative Energy Systems	
M E/N E 565	Power Plant Technology	
Electives or any Engineering Foundational course		
Choose from any course below or above		3
BSE 460	Biorefining: Energy and Products from Renewable Resources	
CBE/M E 567	Solar Energy Technology	
CIV ENGR/ G L E 421	Environmental Sustainability Engineering	
CIV ENGR/ G L E 535	Wind Energy Balance-of-Plant Design	
E C E 427	Electric Power Systems	
M E 461	Thermal Systems Modeling	
CIV ENGR 423	Air Pollution Effects, Measurement and Control	
N E 571	Economic and Environmental Aspects of Nuclear Energy	

SEMINAR (1 CREDIT)

Code	Title	Credits
Choose one of the following courses:		1
E P 418	Sustainable Energy Challenges and Solutions	
CBE 555	Seminar-Chemical Engineering Connections	
Total Credits		**1**

CAPSTONE (OPTIONAL 3 CREDITS)

Students may request to count no more than 3 credits of applied coursework toward the 16-credit total through an optional Capstone course. This course must be approved by the certificate's faculty chair in consultation with the certificate's oversight committee. Students must submit a description of their course project, demonstrating application of at least one of the certificate's learning outcomes. Details of the project will be verified with the course instructor. Courses that may qualify include:

- Senior Design Project or Capstone
- Independent Study
- Honors Thesis

To submit a Capstone course request, complete this online course substitution form (https://engineering.wisc.edu/programs/certificates/energy-sustainability/substitution/). Course substitution requests may be submitted any time, but should be submitted as early as possible once there are sufficient details (such as a course syllabus or a project description) that demonstrate how the course or project aligns with the certificate's learning outcomes.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the physical properties and processes related to energy resources and the conversion technologies involved.
2. Understand how energy decisions are impacted by environmental, social, economic or political factors.
3. Synthesize knowledge of the technical/physical aspects of energy with the social/environmental factors to analyze how energy choices impact the sustainability of energy systems.
4. Apply interdisciplinary energy knowledge to analyze, design or solve a matter of real world significance related to sustainability of energy use.

ENGINEERING PHYSICS, BS

As an engineering physics major, you'll dive into research alongside professors who work at the frontier of translating emerging science into novel technologies. With a curriculum designed specifically to launch your research career and a tight-knit community of scholars, you'll find a supportive environment to pursue a flexible math- and physics-centered curriculum and publish an undergraduate thesis. The engineering physics major is ideal for students who are already thinking about graduate school and want the flexibility to design their undergraduate experience to support that goal—but it also prepares students to join high-tech startup companies developing new technologies.

Students choose from three flexible focus areas -- nanoengineering, plasma science and engineering, and scientific computing -- that include graduate-level courses and laboratory experiences. Students in nanoengineering take courses in physics, material science, engineering mechanics, and electrical engineering to learn how to design, build, and use innovative devices and structures at the nanoscale. Plasma science and engineering students join one of the largest university plasma and fusion communities in the world, with collaborations between physics, electrical engineering, and nuclear engineering, and world-leading facilities. Scientific computing can be applied to nearly every discipline in science, combining modern computing practices with scientific discovery in research groups across campus.

As some of our best and brightest engineering students, EP majors move quickly through fundamental math and physics courses, opening the door for more advanced courses that support their research interests. With more flexibility than most engineering majors, each student works with their faculty advisor to find a selection of courses that are tuned to their specific research needs. The senior thesis is a defining aspect of this program, where students summarize their research findings and present them to a committee of professors, and possibly publish a paper in a scientific journal.

At the heart of the engineering physics program is a small learning community where students develop skills for conducting original research, with support from faculty and peers. The curriculum is designed to bring sophomores, juniors, and seniors together in a community where younger students learn from the general research experiences of their more senior counterparts. In addition, every student joins a research group where graduate students, post-docs, scientists, and faculty members support the specific skills and expertise needed for their research. Nearly all of our graduates go on to graduate degrees at the best universities in the U.S. and around the world and ultimately in careers in a variety of fields in academia, industry, or national laboratories.

OBJECTIVES OF THE ENGINEERING PHYSICS PROGRAM

- Educate students to think and participate deeply, creatively, and analytically in emerging areas of engineering technology.
- Educate students in the basics of instrumentation, design of laboratory techniques, measurement, data acquisition, interpretation, and analysis.
- Educate students in the methodology of research.
- Provide and facilitate teamwork and multidisciplinary experiences throughout the curriculum.
- Foster the development of effective oral and written communication skills.
- Expose students to environmental, ethical and contemporary issues.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SUMMARY OF REQUIREMENTS

The following curriculum applies to students admitted to the engineering physics degree program.

Code	Title	Credits
Mathematics and Statistics		25
Science		28
Engineering Science		25
Research Development / Focus Area Electives		22
Technical Electives		6
Communication Skills		8
Liberal Studies		16
Total Credits		**130**

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 319	Techniques in Ordinary Differential Equations	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
MATH 340	Elementary Matrix and Linear Algebra	3
or MATH 341	Linear Algebra	
STAT 324	Introduction to Statistics for Science and Engineering	3
or STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
or STAT/ MATH 431	Introduction to the Theory of Probability	
Total Credits		**25**

SCIENCE

Code	Title	Credits
Select one of the following:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
PHYSICS 241	Introduction to Modern Physics	3
or PHYSICS 205	Modern Physics for Engineers	
PHYSICS 322	Electromagnetic Fields	3
E P 271	Engineering Problem Solving I	3
or COMP SCI 200	Programming I	
or COMP SCI 220	Data Science Programming I	
M S & E 351	Materials Science-Structure and Property Relations in Solids	3
or CBE 440	Chemical Engineering Materials	
or M S & E 350	Introduction to Materials Science	
N E 305	Fundamentals of Nuclear Engineering	3
or PHYSICS 531	Introduction to Quantum Mechanics	
Select one of the following courses:		3
E P/E M A 471	Intermediate Problem Solving for Engineers (recommended)	
or E P/ E M A 476	Introduction to Scientific Computing for Engineering Physics	
or COMP SCI 302	Programming II	
or COMP SCI 412	Introduction to Numerical Methods	
Total Credits		**28**

ENGINEERING SCIENCE

Code	Title	Credits
E M A 201	Statics	3
or PHYSICS 201	General Physics	
or PHYSICS 207	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
E M A 202	Dynamics	3
or PHYSICS 311	Mechanics	
E M A 303	Mechanics of Materials	3
E M A/M E 307	Mechanics of Materials Lab	1
M E 361	Thermodynamics	3
or M S & E 330	Thermodynamics of Materials	
E C E 376	Electrical and Electronic Circuits	3
or PHYSICS 321	Electric Circuits and Electronics	
M E 363	Fluid Dynamics	3
M E 364	Elementary Heat Transfer	3
or M S & E 331	Transport Phenomena in Materials	
N E 231	Introduction to Nuclear Engineering [1]	3
Total Credits		**25**

[1] This requirement can also be satisfied with a different introductory engineering course

RESEARCH AND DEVELOPMENT/SENIOR THESIS

Expectations for Research Projects

Completion of the engineering physics degree program requires satisfactory completion of the E P 468 Introduction to Engineering Research, E P 469 Research Proposal in Engineering Physics, E P 568 Research Practicum in Engineering Physics I, and E P 569 Research Practicum in Engineering Physics II coursework sequence, which culminates in a senior research thesis. The research topic chosen by the student and agreed upon by the advisor should be on a topic connected to the chosen Focus Area. The research conducted should be such that the student participates in the creation of new knowledge, experiences the excitement of the research process, and makes a contribution so that it would be appropriate to include the student's name on a scholarly publication if one results from the research.

Senior Thesis

A senior thesis, completed during enrollment in E P 569 Research Practicum in Engineering Physics II is required. The senior thesis is a written document reporting on a substantial piece of work. It should be written in the style of a graduate thesis. The faculty advisor, in consultation with a research mentor, determines the grade which the student receives for the thesis.

On or before the Friday of finals week of the semester in which E P 569 Research Practicum in Engineering Physics II is taken, the senior thesis must be presented orally by the student to a committee of three professors in a publicly announced seminar. Interested faculty and students will be invited to attend.

Research and Development

Code	Title	Credits
E P 468	Introduction to Engineering Research	1
E P 469	Research Proposal in Engineering Physics	1
E P 568	Research Practicum in Engineering Physics I	3
E P 569	Research Practicum in Engineering Physics II	3
Total Credits		**8**

FOCUS AREA ELECTIVES

Nanoengineering

Code	Title	Credits
Required course:		
PHYSICS 551	Solid State Physics	3
At least one of the following courses:		3
E P/E M A 615	Micro- and Nanoscale Mechanics	
M S & E 553	Nanomaterials & Nanotechnology	
At least one of the following courses:		3
E M A 506	Advanced Mechanics of Materials I	
E M A 519	Fracture Mechanics	
At least one of the following courses:		1-3
M S & E 448	Crystallography and X-Ray Diffraction	
E M A 611	Advanced Mechanical Testing of Materials	
M E 601	Special Topics in Mechanical Engineering (Micro Nano Fabrication)	
N E 602	Special Topics in Reactor Engineering (Vacuum Technology Lab)	
PHYSICS 623	Electronic Aids to Measurement	
PHYSICS 625	Applied Optics	
M S & E 748	Structural Analysis of Materials	
Choose from the following open electives courses:		3
M S & E 333	Microprocessing of Materials	
E C E 335	Microelectronic Devices	
M S & E 434	Introduction to Thin-Film Deposition Processes	
M S & E 441	Deformation of Solids	
E C E 445	Semiconductor Physics and Devices	
M S & E 451	Introduction to Ceramic Materials	
E M A/ M S & E 541	Heterogeneous and Multiphase Materials	
M S & E 570	Properties of Solid Surfaces	
CHEM 630	Selected Topics in Analytical Chemistry	
M S & E 756	Structure and Properties of Advanced Electronic Materials	
Total Credits		**14**

Plasma Science and Engineering

Code	Title	Credits
Required courses:		
N E/E C E/ PHYSICS 525	Introduction to Plasmas	3
N E 526	Laboratory Course in Plasmas	3
At least one of the following courses:		3
N E/E C E/ PHYSICS 527	Plasma Confinement and Heating	
N E/E C E 528	Plasma Processing and Technology	
Open Electives		5
N E 408	Ionizing Radiation	
N E 536	Feasibility of Fusion Power Plants based on Controlled Nuclear Fusion	
PHYSICS 415	Thermal Physics	
PHYSICS 623	Electronic Aids to Measurement	
PHYSICS 625	Applied Optics	
N E/E C E/ PHYSICS 724	Waves and Instabilities in Plasmas	
N E/E C E/ PHYSICS 725	Plasma Kinetic Theory and Radiation Processes	
N E/E C E/ PHYSICS 726	Plasma Magnetohydrodynamics	
Any plasma-related special topics course in NE (e.g. N E 602/903)		
Total Credits		**14**

Scientific Computing

Code	Title	Credits
At least one of the following courses:		3
N E/ MED PHYS 506	Monte Carlo Radiation Transport	
M E 573	Computational Fluid Dynamics	
E M A 605	Introduction to Finite Elements	
E C E 742	Computational Methods in Electromagnetics	
Students must take at least two credits of laboratory experience in the Physical or Biological Sciences beyond the required chemistry and mechanics of materials courses		2
Choose from the following open electives courses:		9
E P/E M A 476	Introduction to Scientific Computing for Engineering Physics	
COMP SCI 300	Programming II	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning	
COMP SCI 577	Introduction to Algorithms	
COMP SCI/ MATH 714	Methods of Computational Mathematics I	
COMP SCI/ MATH 715	Methods of Computational Mathematics II	
M E 459	Computing Concepts for Applications in Engineering	
M E/COMP SCI/ E C E/E M A/ E P 759	High Performance Computing for Applications in Engineering	
Any scientific-computing-related special topics course in NE		
Total Credits		**14**

TECHNICAL ELECTIVE

Code	Title	Credits
Choose from the following courses:		6
Co-op (no more than 3 credits)		
Courses numbered 300+ in the CoE except for E P D/ INTEREGR		
Courses numbered 300+ in MATH, PHYSICS, COMP SCI, STAT (except STAT 301), ASTRON, MED PHYS, and CHEM departments		
Students may also propose any class that they feel will benefit their education path with pre-requisite of two physics or calculus classes. For these courses the advisor will review the request and if approved, recommend a DARS substitution.		
Total Credits		**6**

COMMUNICATION SKILLS

Code	Title	Credits
Choose from the following courses:		8
ENGL 100	Introduction to College Composition	
or COM ARTS 10	Introduction to Speech Composition	
or LSC 100	Science and Storytelling	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations (was EPD 275)	
INTEREGR 397	Engineering Communication	
Total Credits		**8**

LIBERAL STUDIES

Code	Title	Credits
Complete Requirements (p. 254) [1]		16
Total Credits		**16**

[1] Students must take 16 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following subrequirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectareas/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D) in the course listing.
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for subrequirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy subrequirements 1 and 2 above, but they only count once toward the total required. Note: Some courses may have "e" designation but not have H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

TOTAL CREDITS: 130–132

For information on credit load, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering research practices to produce results that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to apply experimental, theoretical, and computational methods to address scientific and engineering objectives
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Sample Four-Year Plan

First Year

Fall	Credits	Spring	Credits
CHEM 109[1]	5	E M A 201 or PHYSICS 201	3-5
MATH 221	5	MATH 222	4
Communications A	3	N E 231	3
Liberal Studies Elective	3	STAT 324	3
	16		**13**

Second Year

Fall	Credits	Spring	Credits
E P 468[2]	1	MATH 319	3
MATH 234	4	PHYSICS 205 or 241	3
PHYSICS 202	5	E M A 202 or PHYSICS 311	3
M S & E 351	3	E M A 303	3
E P 271	3	E M A/M E 307	1
INTEREGR 275	2	Liberal Studies Elective	3
	18		**16**

Third Year

Fall	Credits	Spring	Credits
N E 305[4]	3	PHYSICS 531[4]	3
or Technical Elective		or Technical Elective	
MATH 321	3	MATH 340 or 341	3
M E 361 or M S & E 330	3-4	Liberal Studies Elective	4
PHYSICS 322[3]	3	Advanced Computer Science	3
E C E 376 or PHYSICS 321	3-4	E P Focus Area Course	3
E P 469	1		
	16-17		**16**

Fourth Year

Fall	Credits	Spring	Credits
E P 568	3	E P 569	3
M E 363	3	M E 364 or M S & E 331	3
E P Focus Area Course	3	E P Focus Area Course	2
E P Focus Area Course	3	E P Focus Area Course	3
Technical Elective	3	INTEREGR 397	3
Liberal Studies Elective	3	Liberal Studies Elective	3
	18		**17**

Total Credits 130-131

1 It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute this with CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

2 Students are encouraged to take E P 468 Introduction to Engineering Research during their second year to allow for more flexibility in the research sequence.

3 Topics from MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus are applied in PHYSICS 322 Electromagnetic Fields, and some students may find it helpful to take PHYSICS 322 Electromagnetic Fields after MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus if PHYSICS 322 Electromagnetic Fields is not required for focus area courses.

4 Students in the nanoengineering focus area should take PHYSICS 531 Introduction to Quantum Mechanics.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

Fluid Mechanics and Heat Transfer Laboratories
Instructional Computing Labs (in Computer Aided Engineering)
Nanomechanics Laboratory
Nuclear Instrumentation Laboratory
Plasma Physics Laboratories
Superconductivity and Cryogenics Laboratories

SCHOLARSHIPS

The Department of Nuclear Engineering & Engineering Physics and the College of Engineering have several types of scholarships available to incoming and current engineering students. Students should explore the Wisconsin Scholarship Hub (WiSH), where you can apply to and find specific information on scholarships at UW–Madison. You can use WiSH to find engineering scholarships available through the College of Engineering; the Inclusion, Equity, and Diversity in Engineering Student Center; the Nuclear Engineering & Engineering Physics Department; and other UW and external organizations. (Please note: students must be currently enrolled in, or have applied to, the College of Engineering to be considered for engineering scholarships.) To be matched with these available scholarship funds an application is required and the system is typically open to students in the spring of each year. Questions on the process can be directed to: coescholarships@engr.wisc.edu. Additional financial assistance may be awarded through the Office of Student Financial Aid (https://financialaid.wisc.edu/) (333 E. Campus Mall Room 9701, 608-262-3060).

NUCLEAR ENGINEERING MATERIALS, CERTIFICATE

The goal of this certificate is to combine a comprehensive set of course curricula that will provide students with an understanding of the challenges and remedial measures associated with materials in nuclear energy systems, including fission and fusion reactors. It includes courses in radiation damage, nuclear fuel performance, and corrosion. A laboratory course will provide hands-on experimental analysis in the areas of corrosion, welding, radiation damage, and non-destructive evaluation.

HOW TO GET IN

HOW TO GET IN

All current undergraduate students in the College of Engineering are eligible to complete the Certificate in Nuclear Engineering Materials.

Students must complete the Certificate Declaration Form (https://engineering.wisc.edu/programs/named-options/declaration/). Contact Professor Adrien Couet, Department of Nuclear Engineering & Engineering Physics, 921 Engineering Research Building, for further information.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Required Courses		
N E/M S & E 423	Nuclear Engineering Materials [1]	3
N E 424	Nuclear Materials Laboratory	1
Electives		
Complete a minimum of 12 credits from the elective course list below.		12
Total Credits		**16**

[1] Because M S & E 350 Introduction to Materials Science or M S & E 351 Materials Science-Structure and Property Relations in Solids are prerequisites for N E/M S & E 423 Nuclear Engineering Materials, students are expected to take one of the two of these courses as prerequisites for the certificate.

ELECTIVES

Code	Title	Credits
CIV ENGR 445	Steel Structures I	3
CIV ENGR 447	Concrete Structures I	3
E M A 303	Mechanics of Materials	3
M S & E 330	Thermodynamics of Materials	4
M S & E 352	Materials Science-Transformation of Solids	3
M S & E/N E 433	Principles of Corrosion	3
M S & E 460	Introduction to Computational Materials Science and Engineering	3
M S & E 463	Materials for Elevated Temperature Service	3
M S & E 570	Properties of Solid Surfaces	3
N E 541	Radiation Damage in Metals	3
N E 545	Materials Degradation in Advanced Nuclear Reactor Environments	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify the challenges and remedial measures associated with materials in nuclear energy systems by integrating the contents within each class into a complete understanding.
2. Describe and apply basic radiation damage, nuclear fuel performance, corrosion, and joining/welding concepts.
3. Design and conduct basic hands-on experiments in the areas of nuclear materials characterization.
4. Discuss scientifically and confidently about nuclear materials degradation issues with experts.

NUCLEAR ENGINEERING, BS

Nuclear engineers harness the strongest forces of nature to tackle some of society's biggest challenges. Our curriculum gives students depth and breadth to keep up with rapidly changing technology, and our close-knit learning community supports our students' success during their degree and as they launch their careers. Students interested in clean energy applications can choose from the Nuclear Systems focus area or the Fusion Plasma focus area. The radiation sciences option (p. 364) provides a pathway for careers in medical applications of radiation.

Nuclear energy is the largest source of clean electricity in the United States and new technologies will allow its impact to grow as we decarbonize our economy. Most nuclear engineers design, build, and operate nuclear power plants – today based on fission of uranium, but in the future, based on fusion of hydrogen. With no greenhouse gas emissions, nuclear energy is a reliable and predictable partner to other clean electricity, like wind, solar, and hydro. Nuclear power sources have even more potential as new technologies and are deployed to remove carbon emissions from industrial processes like hydrogen production, water desalination, and steel manufacturing.

With radiation from man-made radioisotopes and particle accelerators, we can diagnose and treat cancer and other diseases. Nuclear engineers in the radiation sciences option (p. 364) design systems to generate radioactive tracers that can be injected into patients to pinpoint tumors, stress fractures, and cardiac diseases, while others build accelerators that deliver radiation precisely to diseased tissue while avoiding sensitive organs. Talk to your academic advisor about declaring the Radiation Sciences option. Students must have, and are expected to maintain, a 3.0 cumulative GPA.

Today's rovers on Mars are powered by nuclear power sources and tomorrow's spacecraft will need nuclear power to transport humans far into space. Nuclear engineers build radioisotope thermal generators that provide nonstop power with no moving parts to deep-space probes and planetary vehicles, allowing missions that last for many years. Nuclear space propulsion cuts the travel time to other planets by months and surface power ensures reliable energy once the spacecraft lands.

Using advanced radiation detection systems, we can seek out explosives and nuclear weapons being smuggled in shipping containers. Nuclear engineers combine sources and detectors that use penetrating radiation that not only can see objects through thick shields but can also determine the composition of the items inside. Additionally, they use machine learning and artificial intelligence to combine the signals from these systems for even more insight.

Our curriculum starts with an Introduction to Nuclear Engineering designed for first-year students to learn about a variety of technical nuclear topics and also to engage with some societal challenges. Later on, the curriculum focuses on the deepest physics and math base in the College of Engineering to prepare our graduates for careers with constantly evolving technologies based on the newest scientific discoveries. We transition from these fundamentals to more applied topics in radiation transport, thermal systems, plasma physics, materials science, imaging, and detectors, while students build skills in computational modeling and simulation. All of our students also take at least one course that offers an experience with the UW Nuclear Reactor. Students in the Fusion Plasma focus area will take courses in the rich UW-Madison fusion and plasma physics curriculum. Students in the radiation sciences option will complete their degree with graduate courses from the internationally recognized Medical Physics program. This interdisciplinary degree program overlaps with other engineering disciplines, allowing our graduates to transition into a variety of industries and careers.

Small class sizes allow students and professors to get to know each other in a supportive learning community starting in their first year. Many students participate in undergraduate research across one of the biggest research portfolios in the College of Engineering. Faculty collaborations with companies in nuclear science and technology – both established and newcomers, as well as the country's national laboratories – provide a professional network that helps students find internships and launch their careers.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE COLLEGE AS A FIRST-YEAR STUDENT

Students applying to UW–Madison (https://www.admissions.wisc.edu/apply/) need to indicate an engineering major (https://engineering.wisc.edu/degrees-programs/undergraduate/) as their first choice in order to be considered for direct admission to the College of Engineering. Direct admission means that students get to start their college career in the engineering program of their choice and have access to engineering-specific resources and facilities. Students who are directly admitted need to meet progression requirements (https://engineering.wisc.edu/student-services/undergraduate-student-advising/progression/) at the end of the first year to guarantee advancement in that program.

CROSS-CAMPUS TRANSFER TO ENGINEERING

UW–Madison students in other schools and colleges on campus must meet minimum admission requirements (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for admission consideration to engineering degree programs. Cross-campus admission is competitive and selective, and academic performance expectations may increase as demand trends change. The student's overall academic record at UW–Madison is also considered. Students apply to their intended engineering program by submitting the online application by stated deadlines for spring and fall. The College of Engineering offers an online information tutorial and advising (https://engineering.wisc.edu/admissions/undergraduate/cross-campus-students/) for students to learn about the cross-campus transfer process.

OFF-CAMPUS TRANSFER TO ENGINEERING

With careful planning, students at other accredited institutions can transfer coursework that will apply toward engineering degree requirements at UW–Madison. Off-campus transfer applicants are considered for direct admission to the College of Engineering by applying to the Office of Admissions with an engineering major listed as their first choice. Those who are admitted to their intended engineering program must meet progression requirements (https://engineering.wisc.edu/admissions/undergraduate/transfer-from-off-campus/) at the point of transfer or within their first two semesters at UW–Madison to guarantee advancement in that program. A minimum of 30 credits in residence in the College of Engineering is required after transferring, and all students must meet all requirements for their engineering major. Transfer admission to the College of Engineering is competitive and selective, and students who have exceeded the 80 credit limit at the time of application are not eligible to apply.

The College of Engineering has dual degree programs with select four-year UW System campuses. Eligible dual degree applicants are not subject to the 80 credit limit.

Off-campus transfer students are encouraged to discuss their interests, academic background, and admission options with the Transfer & Academic Program Manager in the College of Engineering: ugtransfer@engr.wisc.edu or 608-262-2473.

SECOND BACHELOR'S DEGREE

The College of Engineering does not accept second undergraduate degree applications. Second degree student (https://engineering.wisc.edu/admissions/undergraduate/adult-students-second-degree-students/)s (https://engineering.wisc.edu/student-services/undergraduate-student-advising/) might explore the Biological Systems Engineering program at UW–Madison, an undergraduate engineering degree elsewhere, or a graduate program in the College of Engineering.

RADIATION SCIENCES DECLARATION

Talk to your academic advisor about declaring the Radiation Sciences (p. 364) option. Students must have and are expected to maintain a 3.0 cumulative GPA.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

The nuclear engineering curriculum emphasizes nuclear power and is appropriate for students seeking careers in the nuclear power industry.

There is also a Radiation Sciences option (p. 362) available for students interested in medical and other non-power applications.

The following curriculum applies to students admitted to the nuclear engineering degree program.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		22
Science		13
Engineering Science		27

Nuclear Engineering Core	23
Nuclear Engineering Focus Area	15
Technical Electives	2
Introduction to Engineering	3
Communication Skills	8
Liberal Studies	16
Total Credits	**129**

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
STAT 324	Introduction to Statistics for Science and Engineering	3
Total Credits		**22**

SCIENCE

Code	Title	Credits
Choose from the following courses:		5-9
CHEM 109	Advanced General Chemistry	
or		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
PHYSICS 241	Introduction to Modern Physics	3
or PHYSICS 205	Modern Physics for Engineers	
Total Credits		**13-17**

ENGINEERING SCIENCE

Code	Title	Credits
E M A 201	Statics	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
E P 271	Engineering Problem Solving I	3-4
or COMP SCI 200	Programming I	
or COMP SCI 220	Data Science Programming I	
M S & E 350	Introduction to Materials Science	3
M E 231	Geometric Modeling for Design and Manufacturing	3
M E 361	Thermodynamics	3
E C E 376	Electrical and Electronic Circuits [1]	3
Choose one of the following courses:		3
E M A/E P 471	Intermediate Problem Solving for Engineers	
or COMP SCI 30	Programming II	
or COMP SCI 41	Introduction to Numerical Methods	
or E M A/ E P 476	Introduction to Scientific Computing for Engineering Physics	
Total Credits		**27-28**

[1] PHYSICS 321 Electric Circuits and Electronics is an acceptable substitute for E C E 376 Electrical and Electronic Circuits.

NUCLEAR ENGINEERING CORE

Code	Title	Credits
N E 305	Fundamentals of Nuclear Engineering	3
N E 405	Nuclear Reactor Theory	3
N E 408	Ionizing Radiation	3
N E 412	Nuclear Reactor Design	5
N E/M S & E 423	Nuclear Engineering Materials	3
N E 424	Nuclear Materials Laboratory	1
N E 427	Nuclear Instrumentation Laboratory	2
N E 571	Economic and Environmental Aspects of Nuclear Energy	3
Total Credits		**23**

NUCLEAR ENGINEERING FOCUS AREAS

Choose one of the following two focus areas.

Nuclear Systems Focus Area

Code	Title	Credits
Nuclear Systems Engineering Core		
Complete the following courses:		9-11 credits
CBE 320	Introductory Transport Phenomena	4
or		
M E 363 & M E 364	Fluid Dynamics and Elementary Heat Transfer	
N E 411	Nuclear Reactor Engineering	3
N E 428	Nuclear Reactor Laboratory	2
Nuclear Systems Engineering Electives		
Choose from the following courses:		6 credits
N E 234	Principles and Practice of Nuclear Reactor Operations	4
N E/M S & E 433	Principles of Corrosion	3
N E 505	Nuclear Reactor Analysis	3
N E/MED PHYS 506	Monte Carlo Radiation Transport	3
M E/N E 520	Two-Phase Flow and Heat Transfer	3
N E/E C E/ PHYSICS 525	Introduction to Plasmas	3
N E/E C E/ PHYSICS 527	Plasma Confinement and Heating	3
N E/E C E 528	Plasma Processing and Technology	3
N E 536	Feasibility of Fusion Power Plants based on Controlled Nuclear Fusion	3
N E 541	Radiation Damage in Metals	3
N E 545	Materials Degradation in Advanced Nuclear Reactor Environments	3
N E 550	Advanced Nuclear Power Engineering	3
N E 555	Nuclear Reactor Dynamics	3

N E/M E 565	Power Plant Technology	3
N E/MED PHYS 569	Health Physics and Biological Effects	3-4
N E/I SY E 574	Methods for Probabilistic Risk Analysis of Nuclear Power Plants	3
N E 602	Special Topics in Reactor Engineering	3

Students are encouraged to access the online N E future course offering grid to plan their future course schedules and to confirm the offering of a course in the table.

Fusion Plasma Focus Area

Code	Title	Credits
Fusion Plasma Core		
Complete the following courses:		12 credits
PHYSICS 322	Electromagnetic Fields	3
N E/E C E/ PHYSICS 525	Introduction to Plasmas	3
N E 526	Laboratory Course in Plasmas	3
Complete one of the following courses		3
N E/E C E/ PHYSICS 527	Plasma Confinement and Heating	
N E 536	Feasibility of Fusion Power Plants based on Controlled Nuclear Fusion	
Fusion Plasma Engineering Electives		
Choose from the following courses:		3 credits
N E 411	Nuclear Reactor Engineering	3
N E/M S & E 433	Principles of Corrosion	3
N E/MED PHYS 506	Monte Carlo Radiation Transport	3
N E/E C E/ PHYSICS 527	Plasma Confinement and Heating	3
N E/E C E 528	Plasma Processing and Technology	3
N E 536	Feasibility of Fusion Power Plants based on Controlled Nuclear Fusion	3
N E 541	Radiation Damage in Metals	3
N E 545	Materials Degradation in Advanced Nuclear Reactor Environments	3
N E/M E 565	Power Plant Technology	3
N E/I SY E 574	Methods for Probabilistic Risk Analysis of Nuclear Power Plants	3
N E 602	Special Topics in Reactor Engineering	3

TECHNICAL ELECTIVES

Code	Title	Credits
Choose from the following courses:		2 credits
N E 1	Cooperative Education Program	
Courses numbered 300+ in the CoE except for E P D/ INTEREGR		
Courses numbered 300+ in MATH, PHYSICS, COMP SCI, STAT (except STAT 301), ASTRON, MED PHYS, and CHEM departments		

Students may also propose any class that they feel will benefit their education path with pre-requisite of two physics or calculus classes. For these courses the advisor will review the request and if approved, recommend a DARS substitution.

INTRODUCTION TO ENGINEERING

Code	Title	Credits
N E 231	Introduction to Nuclear Engineering	3
Total Credits		**3**

COMMUNICATION SKILLS

Code	Title	Credits
Choose from the following courses:		
ENGL 100	Introduction to College Composition	3
or LSC 100	Science and Storytelling	
or COM ARTS 100	Introduction to Speech Composition	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations (was EPD 275)	2
INTEREGR 397	Engineering Communication	3
Total Credits		**8**

LIBERAL STUDIES ELECTIVES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete Requirements (p. 254) [1]		16
Total Credits		**16**

[1] Students must take 16 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following subrequirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectarea/) (the description before the course number). At least one of these two courses must be designated as above the elementary level (I, A, or D) in the course listing.
2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for subrequirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy subrequirements 1 and 2 above, but they only count once toward the total required. Note: Some courses may have "e" designation but not have H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

For information on credit load, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext).

NAMED OPTION

Talk to your academic advisor about declaring the Radiation Sciences option. Students must have and are expected to maintain a 3.0 cumulative GPA.

View as listView as grid

- **NUCLEAR ENGINEERING: RADIATION SCIENCES (P. 364)**

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

Qualified undergraduates may earn an Honor in Research designation on their transcript and diploma by completing 8 credits of undergraduate honors research N E 489 Honors in Research, including a senior thesis. Further information is available in the department office.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 109[1]	5	E M A 201[2]	3
MATH 221	5	MATH 222	4
Communications A	3	M E 231	3
Liberal Studies Elective	3	M S & E 350	3
		N E 231	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 320	3
PHYSICS 202	5	PHYSICS 241 or 205	3
E M A 202[3]	3	M E 361	3
STAT 324[4]	3	E M A 303[3]	3
INTEREGR 275 (was EPD 275)	2	N E 424	1
		Liberal Studies Elective	3
	17		**16**

Third Year

Fall	Credits	Spring	Credits
N E 305	3	N E 405	3
MATH 321	3	N E 408	3
E P 271	3	CBE 320 or PHYSICS 322[NS, FP]	3
Technical Elective	2	E P/E M A 471	3
Liberal Studies Elective	4	E C E 376[5]	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
N E 411 or 525[NS, FP]	3	N E 412	5
N E 427	2	N E 428 or 526[NS, FP]	3
N E/M S & E 423	3	N E 571	3
Nuclear Engineering Elective[NS, FP]	3	Nuclear Engineering Elective[NS, FP]	3
Liberal Studies Elective	3	Liberal Studies Elective	3
INTEREGR 397	3		
	17		**17**

Total Credits 129

[1] It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

[2] Students may substitute PHYSICS 201 General Physics, 5 credits, for E M A 201 Statics, 3 credits, with the approval of their advisor.
[3] After completing E M A 201 Statics, students may take E M A 202 Dynamics and E M A 303 Mechanics of Materials in either order or concurrently.
[4] STAT 311 Introduction to Theory and Methods of Mathematical Statistics I or STAT/M E 424 Statistical Experimental Design are acceptable substitutes.
[5] PHYSICS 321 Electric Circuits and Electronics is an acceptable substitute for E C E 376 Electrical and Electronic Circuits.
NS Students who choose the Nuclear Systems Focus Area are required to complete CBE 320, N E 411, N E 428 and two Nuclear Systems Electives.
FP Students who choose the Fusion Plasma Focus Area are required to complete PHYSICS 322,N E/E C E/PHYSICS 525,N E 526, either N E/E C E/PHYSICS 527or N E 536 and one Fusion Plasma Elective.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Every College of Engineering undergraduate has an assigned academic advisor (https://engineering.wisc.edu/student-services/undergraduate-student-advising/). Academic advisors support and coach students through their transition to college and their academic program all the way through graduation.

Advisors help students navigate the highly structured engineering curricula and course sequencing, working with them to select courses each semester.

When facing a challenge or making a plan toward a goal, students can start with their academic advisor. There are many outstanding resources at UW–Madison, and academic advisors are trained to help students navigate these resources. Advisors not only inform students about the various resources, but they help reduce the barriers between students and campus resources to help students feel empowered to pursue their goals and communicate their needs.

Students can find their assigned advisor in their MyUW Student Center.

ENGINEERING CAREER SERVICES

Engineering Career Services (https://ecs.wisc.edu) (ECS) assists students in finding work-based learning experiences such as co-ops and summer internships, exploring and applying to graduate or professional school, and finding full-time professional employment.

ECS offers two large career fairs per year, assists students with resume building and developing interviewing skills, hosts skill-building workshops, and meets one-on-one with students to discuss offer negotiations.

Students are encouraged to engage with the ECS office early in their academic careers. For more information on ECS programs and workshops, visit: https://ecs.wisc.edu.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

Nuclear Reactor Laboratory
Nuclear Instrumentation Laboratory
Fluid Mechanics and Heat Transfer Laboratories
Ion Beam Laboratory
Plasma Physics Laboratories
Instructional Computing Labs (in Computer Aided Engineering)

SCHOLARSHIPS

The Department of Nuclear Engineering & Engineering Physics & the College of Engineering have several types of scholarships available to incoming and current engineering students. Students should explore the Wisconsin Scholarship Hub (WiSH), where you can apply to and find specific information on scholarships at UW–Madison. You can use WiSH to find engineering scholarships available through the College of Engineering; the Inclusion, Equity, and Diversity in Engineering Student Center; the Nuclear Engineering & Engineering Physics Department; and other UW and external organizations. (Please note: students must be currently enrolled in, or have applied to, the College of Engineering to be considered for engineering scholarships.) To be matched with these available scholarship funds an application is required and the system is typically open to students in the spring of each year. Questions on the process can be directed to coescholarships@engr.wisc.edu. Additional financial assistance may be awarded through the Office of Student Financial Aid (https://financialaid.wisc.edu/) (333 E. Campus Mall Room 9701; 608-262-3060).

ACCREDITATION

ACCREDITATION

Accredited by the Engineering Accreditation Commission of ABET (https://www.abet.org/), https://www.abet.org, under the commission's General Criteria and Program Criteria for Nuclear, Radiological, and Similarly Named Engineering Programs.

PROGRAM EDUCATIONAL OBJECTIVES FOR THE BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING

We recognize that our graduates will choose to use the knowledge and skills that they have acquired during their undergraduate years to pursue a wide variety of career and life goals, and we encourage this diversity of paths. We anticipate graduates will begin their careers in fields that utilize their knowledge, education and training in the interaction of radiation with matter as it applies to power generation, health and medical physics, security and safeguards and other engineering fields.

Whatever path our graduates choose to pursue, our educational objectives for the nuclear engineering program are to allow them to:

1. Exhibit strong performance and continuous development in problem-solving, leadership, teamwork, and communication, initially applied to

nuclear engineering, and demonstrating an unwavering commitment to excellence.
2. Demonstrate continuing commitment to, and interest in, their training and education, as well as those of others.
3. Transition seamlessly into a professional environment and make continuing, well-informed career choices.
4. Contribute to their communities.

Note: Undergraduate Student Outcomes, number of degrees conferred, and enrollment data are made publicly available at the Nuclear Engineering Undergraduate Program website (https://engineering.wisc.edu/programs/degrees/nuclear-engineering-bs/). (In this Guide, the program's Student Outcomes are available through the "Learning Outcomes" tab.)

NUCLEAR ENGINEERING: RADIATION SCIENCES

The radiation sciences option of the nuclear engineering major (p. 358) provides a pathway for careers in medical applications of radiation. Understanding how radiation interacts with biological material is a natural extension of the nuclear engineering fundamentals in modern physics and mathematics. Many students continue to graduate school to get advanced degrees in medical physics, either at UW–Madison or elsewhere.

Radiation science students will use their engineering analysis skills on challenges that range from working with patients to developing new medical devices and equipment. Patients experience radiation to diagnose diseases as well as to treat them. In both cases, it may rely on radioactive tracers injected into their bodies or on radiation exposure from outside. Deciding how to administer the radiation to maximize the benefit and minimize the harm requires skills at the intersection between medicine and nuclear engineering. Nuclear engineers in the radiation sciences option also design, analyze, and build devices that will generate novel radioactive tracers, deliver radiation externally in ever more precise ways, and detect the radiation levels to ensure the accuracy of the treatments.

Following the same deep curriculum in physics and math in the early years, students in the radiation sciences option will complete their degree with graduate courses from the internationally recognized Medical Physics program. After learning the consequences of radiation interaction with both healthy and diseased tissue, students can take courses in imaging and radiation detection, the production of radiation with radioisotopes or engineered devices, and dig deeper into the use of radiation in medicine.

Talk to your academic advisor about declaring this option.

REQUIREMENTS

REQUIREMENTS

The Radiation Sciences option is intended for students interested in medical and non-power applications. Students must have and are expected to maintain a 3.0 cumulative GPA.

The following curriculum applies to students admitted to the nuclear engineering degree program with radiation sciences option.

SUMMARY OF REQUIREMENTS

Code	Title	Credits
Mathematics and Statistics		22
Science		16
Engineering Science		27
Radiation Sciences Core Requirement		25
Radiation Sciences Electives		11
Introduction to Engineering		3
Communication Skills		8
Liberal Studies		16
Free Elective		1
Total Credits		**129**

MATHEMATICS AND STATISTICS

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 320	Linear Algebra and Differential Equations	3
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
STAT 324	Introduction to Statistics for Science and Engineering	3
Total Credits		**22**

SCIENCE

Code	Title	Credits
Select one of the following:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
PHYSICS 202	General Physics	5
or PHYSICS 208	General Physics	
PHYSICS 241	Introduction to Modern Physics	3
or PHYSICS 205	Modern Physics for Engineers	
PHYSICS 322	Electromagnetic Fields	3
Total Credits		**16-20**

ENGINEERING SCIENCE

Code	Title	Credits
E C E 376	Electrical and Electronic Circuits	3
or PHYSICS 321	Electric Circuits and Electronics	
E M A 201	Statics	3
E M A 202	Dynamics	3
E M A 303	Mechanics of Materials	3
E P 271	Engineering Problem Solving I	3-4
or COMP SCI 200	Programming I	
or COMP SCI 220	Data Science Programming I	
M E 231	Geometric Modeling for Design and Manufacturing	3

M E 361	Thermodynamics	3
M S & E 350	Introduction to Materials Science	3
E M A/E P 471	Intermediate Problem Solving for Engineers (recommended)	3
or COMP SCI 412	Introduction to Numerical Methods	
or E M A/E P 476	Introduction to Scientific Computing for Engineering Physics	
or COMP SCI 300	Programming II	
Total Credits		**27-28**

RADIATION SCIENCES CORE REQUIREMENT

Code	Title	Credits
N E 305	Fundamentals of Nuclear Engineering	3
N E 405	Nuclear Reactor Theory	3
N E 408	Ionizing Radiation	3
N E 412	Nuclear Reactor Design	5
N E 424	Nuclear Materials Laboratory	1
N E 427	Nuclear Instrumentation Laboratory	2
N E 428	Nuclear Reactor Laboratory	2
N E 571	Economic and Environmental Aspects of Nuclear Energy	3
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry	3
Total Credits		**25**

RADIATION SCIENCES ELECTIVES

Code	Title	Credits
Medical Physics Electives		
Select credits from Medical Physics Electives Course List below		9
Technical Electives		
Not to be confused with Medical Physics Electives, choose 2 credits from the following:		2
N E 1	Cooperative Education Program (no more than 3 credits)	
Courses numbered 300+ in the CoE except for E P D/ INTEREGR		
Courses numbered 300+ in MATH, PHYSICS, COMP SCI, STAT (except STAT 301), ASTRON, MED PHYS, and CHEM departments		
Students may also propose any class that they feel will benefit their education path with pre-requisite of two physics or calculus classes. For these courses the advisor will review the request and if approved, recommend a DARS substitution.		
Total Credits		**11**

Medical Physics Electives Course List [1]

Code	Title	Credits
MED PHYS/N E 506	Monte Carlo Radiation Transport	3
MED PHYS/ B M E 566	Physics of Radiotherapy	3
MED PHYS/N E 569	Health Physics and Biological Effects [2]	3-4
MED PHYS/ B M E 573	Mathematical Methods in Medical Physics	3
MED PHYS/ B M E 578	Non-Ionizing Diagnostic Imaging	4
MED PHYS/ B M E 580	The Physics of Medical Imaging with Ionizing Radiation	4
MED PHYS 671	Selected Topics in Medical Physics [2]	1-4
MED PHYS 674	Data Science in Medical Physics	3
MED PHYS/ PHYSICS 688	Radiation Production and Detection	4
MED PHYS 701	Ethics and the responsible conduct of research and practice of Medical Physics	1

Students are encouraged to access the online N E future course offering grid to plan their future course schedules and to confirm the offering of a course in the table.

[1] Courses meeting the Medical Physics Electives requirement are selected MED PHYS courses numbered 500 and above and selected PHYSICS courses numbered 400 or above. No more than 3 credits of N E 699 Advanced Independent Study may be used to meet this requirement. (Refer to the NE handbook under Degree Information on the NE department website (https://docs.google.com/document/u/1/d/e/2PACX-1vRMi-zHWwv19rf6wMx2E5Nzdn1Awf0ZHG6pK-QXTSRfsD-I3kYuBBCOMZbiWt9vcLejeTxBQQHEjZVs/pub/)).

[2] N E/MED PHYS 569 Health Physics and Biological Effects and MED PHYS 671 Selected Topics in Medical Physics are especially recommended for students in this focus area.

INTRODUCTION TO ENGINEERING

Code	Title	Credits
N E 231	Introduction to Nuclear Engineering	3
Total Credits		**3**

COMMUNICATION SKILLS

Code	Title	Credits
ENGL 100	Introduction to College Composition	3
or LSC 100	Science and Storytelling	
or COM ARTS 100	Introduction to Speech Composition	
or ESL 118	Academic Writing II	
INTEREGR 275	Technical Presentations (was EPD 275)	2
INTEREGR 397	Engineering Communication	3
Total Credits		**8**

LIBERAL STUDIES ELECTIVES

Code	Title	Credits
College of Engineering Liberal Studies Requirements		
Complete Requirements (p. 254) [1]		16
Total Credits		**16**

[1] Students must take 16 credits that carry H, S, L, or Z breadth designators. These credits must fulfill the following subrequirements:

1. A minimum of two courses from the same subject area (https://registrar.wisc.edu/subjectarea/) (the description before the course

number). At least one of these two courses must be designated as above the elementary level (I, A, or D) in the course listing.

2. A minimum of 6 credits designated as humanities (H, L, or Z in the course listing), and an additional minimum of 3 credits designated as social science (S or Z in the course listing). Foreign language courses count as H credits. Retroactive credits for language courses may not be used to meet the Liberal Studies credit requirement (they can be used for subrequirement 1 above).
3. At least 3 credits in courses designated as ethnic studies (lower case "e" in the course listing). These courses may help satisfy subrequirements 1 and 2 above, but they only count once toward the total required. *Note:* Some courses may have "e" designation but not have H, S, L, or Z designation; these courses do not count toward the Liberal Studies requirement.

For information on credit load, adding or dropping courses, course substitutions, pass/fail, auditing courses, dean's honor list, repeating courses, probation, and graduation, see the College of Engineering Official Regulations (http://guide.wisc.edu/undergraduate/engineering/#policiesandregulationstext).

HONORS IN UNDERGRADUATE RESEARCH PROGRAM

Qualified undergraduates may earn an Honor in Research designation on their transcript and diploma by completing 8 credits of undergraduate honors research, including a senior thesis. Further information is available in the department office.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
CHEM 109[1]	5	E M A 201[3]	3
MATH 221	5	MATH 222	4
Communications A	3	M E 231	3
Liberal Studies Elective	3	M S & E 350	3
		N E 231	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH 320	3
PHYSICS 202	5	PHYSICS 241 or 205	3
E M A 202[4]	3	M E 361	3
STAT 324[5]	3	E M A 303[4]	3
INTEREGR 275	2	N E 424	1
		Liberal Studies Elective	3
	17		**16**

Third Year

Fall	Credits	Spring	Credits
N E 305	3	N E 405	3
MATH 321	3	N E 408	3
E P 271	3	PHYSICS 322	3
Technical Elective[6]	2	Computing Elective	3
Liberal Studies Elective	4	E C E 376[2]	3
		Free Elective	1
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
N E 427	2	N E 412	5
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	3	N E 571	3
Medical Physics Elective	3	N E 428	2
Medical Physics Elective	3	Medical Physics Elective	3
Liberal Studies Elective	3	Liberal Studies Elective	3
INTEREGR 397	3		
	17		**16**

Total Credits 129

1. It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute this with CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.
2. PHYSICS 321 Electric Circuits and Electronics is an acceptable substitute for E C E 376 Electrical and Electronic Circuits
3. Students may substitute PHYSICS 201 General Physics, 5 credits, for E M A 201 Statics, 3 credits, with the approval of their advisor.
4. After completing E M A 201 Statics, students may complete E M A 202 Dynamics and E M A 303 Mechanics of Materials in either order or concurrently.
5. STAT 311 Introduction to Theory and Methods of Mathematical Statistics I or STAT/M E 424 Statistical Experimental Design are acceptable substitutes.
6. PHYSICS 623 Electronic Aids to Measurement is recommended for students in the Radiation Sciences focus area.

COLLEGE OF LETTERS & SCIENCE

In the College of Letters & Science (https://ls.wisc.edu/), you earn your bachelor's degree through a customized mix of classes where you explore your interests and discover new ones. You get the advantages that we have created over 175 years of being a great university. In Letters & Science, we take pride in blending the best practices from this long tradition with the newest ideas for instruction and research to offer an extraordinary undergraduate experience.

The Letters & Science difference is how you weave together studies in multiple areas, expanding this knowledge through ever-widening connections to related fields. You have at least one major for focused, in-depth study, and lots of flexibility in the ways you complete your degree.

You choose from an astonishing range of classes designed by Letters & Science faculty to give you a forward-looking education blending histories, communications, sciences, arts, languages, cultural studies, technologies,

numbers, and international studies: ways we interact with our world, with information, and with each other.

WAYS WE INTERACT WITH OUR WORLD

Essential building blocks of science knowledge, including physics, chemistry, and mathematics, are especially strong here. Letters & Science offers not just biology, zoology, and botany, but also specialized areas of neurobiology, molecular and cell biology, and conservation biology.

You can study skies far away through astronomy and close above us through atmospheric sciences. Geology and environmental sciences reveal the physical world, while geography, cartography, and landscape studies show how land is used by humans and other living things.

WAYS WE INTERACT WITH INFORMATION

In Letters & Science, we offer in-depth studies in computer, statistics, and other information sciences. And data is everywhere, in every field and discipline, from psychology and linguistics to geographic information systems and digital media analytics. You learn how to collect, analyze, and use information to give you stronger tools to accomplish your academic and career goals.

WAYS WE INTERACT WITH EACH OTHER

Understanding different perspectives is one of the most significant transformations of your college years. Letters & Science's academic programs include the study of uniquely American experiences of Asian American, African American, American Indian, and Chicanx/e people. You can explore the cultures and histories around the globe with classes and majors dedicated to regions in Asia, Africa, the Middle East, Europe, and the Americas.

Learn how we sustain our communities and social systems, through political science, legal studies, philosophy, economics, sociology, religion, gender, and social welfare. You can study (and create) music, art and visual culture, television and film, folklore, and literature.

Communications are a huge part of the Letters & Science academic mission. Here you can learn to speak and read in 50 languages, including those most commonly spoken around the world, American Sign Language, and six indigenous American Indian languages. About 40 Letters & Science majors and certificates (https://languages.wisc.edu/majors-and-certificates/) have a required or recommended language component.

And communication is central to so many other areas of study in Letters & Science: journalism, rhetoric, English, communication disorders—and really, everything already named above.

PUTTING IT ALL TOGETHER

As a Letters & Science bachelor's student, you get to choose from all these wonderful, intriguing, eye-opening, mind-awakening fields—and so many more. This Guide presents the full list of degrees, majors, and certificates (https://guide.wisc.edu/undergraduate/letters-science/#degreesmajorscertificatestext), and all our courses (https://guide.wisc.edu/courses/). (See courses scheduled for a specific term in the public Course Search (https://public.enroll.wisc.edu/search/).)

As you earn your degree, what will be your special blend of knowledge, skills, and experiences, weaving together your understanding of the world, of information, and ourselves?

DEGREES/MAJORS/CERTIFICATES

NOTE: Major requirements are the same whether a student pursues a Bachelor of Arts (BA) or a Bachelor of Science (BS) degree.

- African American Studies, BA (p. 379)
- African American Studies, BS (p. 383)
- African American Studies, Certificate (p. 387)
- African Cultural Studies, BA (p. 389)
- African Cultural Studies, BS (p. 394)
- African Studies, Certificate (p. 861)
- Aging Studies, Certificate (p. 1283)
- American Indian and Indigenous Studies, Certificate (p. 401)
- Anthropology, BA (p. 403)
- Anthropology, BS (p. 407)
- Applied Mathematics, Engineering, and Physics, BS AMEP (p. 1098)
- Applied Social Research, Certificate (p. 1321)
- Applied Social Science, BLS (p. 1064)
- Arabic Language and Culture, Certificate (p. 399)
- Archaeology, Certificate (p. 411)
- Art History, BA (p. 413)
- Art History, BS (p. 420)
- Art History, Certificate (p. 426)
- Asian American Studies, Certificate (p. 429)
- Asian Languages and Cultures, BA (p. 432)
- Asian Languages and Cultures, BS (p. 446)
- Astronomy–Physics, BA (p. 489)
- Astronomy–Physics, BS (p. 494)
- Atmospheric and Oceanic Sciences, BA (p. 499)
- Atmospheric and Oceanic Sciences, BS (p. 504)
- Biochemistry, BA (L&S) (p. 1067)
- Biochemistry, BS (L&S) (p. 1075)
- Biology Core Curriculum Honors, Certificate (p. 526)
- Biology, BA (L&S) (p. 986)
- Biology, BS (L&S) (p. 1000)
- Botany, BA (p. 528)
- Botany, BS (p. 532)
- Business Spanish, Certificate (p. 1338)
- Cartography and Geographic Information Systems, BA (p. 748)
- Cartography and Geographic Information Systems, BS (p. 752)
- Chemistry, BA (p. 567)
- Chemistry, BS (p. 574)
- Chicana/o and Latina/o Studies, Certificate (p. 581)
- Chicanx/e and Latinx/e Studies, BA (p. 583)
- Chicanx/e and Latinx/e Studies, BS (p. 588)
- Chinese Professional Communication, Certificate (p. 460)
- Chinese, BA (p. 463)
- Chinese, BS (p. 470)
- Classical Humanities, BA (p. 593)

- Classical Humanities, BS (p. 598)
- Classical Studies, Certificate (p. 604)
- Classics, BA (p. 606)
- Classics, BS (p. 610)
- Communication Arts, BA (p. 621)
- Communication Arts, BS (p. 631)
- Communication Sciences and Disorders, BA (p. 647)
- Communication Sciences and Disorders, BS (p. 651)
- Computer Sciences, BA (p. 655)
- Computer Sciences, BS (p. 660)
- Computer Sciences, Certificate (p. 664)
- Conservation Biology, BA (p. 536)
- Conservation Biology, BS (p. 542)
- Criminal Justice, Certificate (p. 548)
- Data Science, BA (p. 1354)
- Data Science, BS (p. 1359)
- Data Science, Certificate (p. 1364)
- Digital Cinema Production, Certificate (p. 642)
- Digital Media Analytics, Certificate (p. 1311)
- Digital Studies, Certificate (p. 644)
- East Asian Studies, Certificate (p. 864)
- East Central European Languages, Literatures, and Cultures, Certificate (p. 781)
- Economic Analytics, Certificate (p. 667)
- Economics, BA (p. 668)
- Economics, BS (p. 675)
- English, BA (p. 682)
- English, BS (p. 691)
- Environmental Sciences, BA (L&S) (p. 509)
- Environmental Sciences, BS (L&S) (p. 517)
- Environmental Studies Major (p. 700)
- European Studies, Certificate (p. 867)
- Folklore, Certificate (p. 782)
- French, BA (p. 709)
- French, BS (p. 714)
- French, Certificate (p. 718)
- Freshwater and Marine Sciences, Certificate (p. 1014)
- Gender and Women's Studies, BA (p. 728)
- Gender and Women's Studies, BS (p. 735)
- Gender and Women's Studies, Certificate (p. 743)
- Geography, BA (p. 757)
- Geography, BS (p. 763)
- Geology and Geophysics, BA (p. 772)
- Geology and Geophysics, BS (p. 775)
- Geospatial Data Science, Certificate (p. 770)
- German, BA (p. 784)
- German, BS (p. 788)
- German, Certificate (p. 792)
- Health and the Humanities, Certificate (p. 977)
- Health Policy, Certificate (p. 1049)
- History, BA (p. 821)
- History, BS (p. 834)
- History, Certificate (p. 846)
- Individual Major, BA (p. 1084)
- Individual Major, BS (p. 1086)
- Information Science, BA (p. 852)
- Information Science, BS (p. 856)
- Integrated Liberal Studies, Certificate (p. 980)
- Integrated Studies in Science, Engineering, and Society, Certificate (p. 1323)
- Integrative Design of Built and Natural Environments, Certificate (p. 1233)
- International Studies, BA (p. 876)
- International Studies, BS (p. 914)
- Italian, BA (p. 719)
- Italian, BS (p. 723)
- Italian, Certificate (p. 726)
- Japanese Professional Communication, Certificate (p. 476)
- Japanese, BA (p. 479)
- Japanese, BS (p. 484)
- Jewish Studies, BA (p. 1200)
- Jewish Studies, BS (p. 1204)
- Jewish Studies, Certificate (p. 1208)
- Journalism, JBA (p. 1312)
- Journalism, JBS (p. 1316)
- Landscape and Urban Studies, BA (p. 1235)
- Landscape and Urban Studies, BS (p. 1240)
- Landscape Architecture, BLA (p. 1245)
- Languages and Cultures of Northern Europe, Certificate (p. 793)
- Latin American, Caribbean, and Iberian Studies, BA (p. 953)
- Latin American, Caribbean, and Iberian Studies, BS (p. 959)
- Latin, BA (p. 614)
- Latin, BS (p. 617)
- Legal Studies, BA (p. 551)
- Legal Studies, BS (p. 559)
- LGBTQ+ Studies, Certificate (p. 746)
- Linguistics, BA (p. 1055)
- Linguistics, BS (p. 1059)
- Mathematics, BA (p. 1102)
- Mathematics, BS (p. 1124)
- Mathematics, Certificate (p. 1146)
- Medieval Studies, Certificate (p. 849)
- Microbiology, BA (L&S) (p. 1089)
- Microbiology, BS (L&S) (p. 1093)
- Middle East Studies, Certificate (p. 965)
- Molecular and Cell Biology, BA (p. 1016)
- Molecular and Cell Biology, BS (p. 1021)
- Music, BA (p. 1148)
- Music, BS (p. 1161)
- Music: Education, BM (p. 1175)
- Music: Performance, BM (p. 1183)
- Neurobiology, BA (p. 1027)
- Neurobiology, BS (p. 1033)
- Philosophy, BA (p. 1211)

- Philosophy, BS (p. 1214)
- Physics, BA (p. 1218)
- Physics, BS (p. 1225)
- Physics, Certificate (p. 1232)
- Polish, BA (p. 795)
- Polish, BS (p. 799)
- Political Economy, Philosophy, and Politics, Certificate (p. 1249)
- Political Science, BA (p. 1251)
- Political Science, BS (p. 1257)
- Political Science, Certificate (p. 1263)
- Portuguese, BA (p. 1339)
- Portuguese, BS (p. 1342)
- Psychology, BA (p. 1265)
- Psychology, BS (p. 1269)
- Public Policy, Certificate (p. 1052)
- Religious Studies, BA (p. 1274)
- Religious Studies, BS (p. 1278)
- Religious Studies, Certificate (p. 1281)
- Russian, BA (p. 802)
- Russian, BS (p. 806)
- Russian, East European, and Central Asian Studies, Certificate (p. 968)
- Scandinavian Studies, BA (p. 810)
- Scandinavian Studies, BS (p. 813)
- Scandinavian Studies, Certificate (p. 817)
- Slavic Studies, Certificate (p. 819)
- Social Welfare, BA (p. 1285)
- Social Welfare, BS (p. 1292)
- Social Work, BSW (p. 1300)
- Sociology, BA (p. 1326)
- Sociology, BS (p. 1332)
- South Asian Studies, Certificate (p. 972)
- Southeast Asian Studies, Certificate (p. 975)
- Spanish Studies for Business Students, Certificate (p. 1345)
- Spanish, BA (p. 1347)
- Spanish, BS (p. 1350)
- Sports Communication, Certificate (p. 1320)
- Statistics, BA (p. 1366)
- Statistics, BS (p. 1370)
- Statistics, Certificate (p. 1375)
- Teaching English to Speakers of Other Languages, Certificate (p. 699)
- Zoology, BA (p. 1040)
- Zoology, BS (p. 1045)

ENTERING THE COLLEGE

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Students can enter the College of Letters & Science (L&S) upon admission to UW–Madison (http://admissions.wisc.edu) or by transferring from another school or college at UW–Madison.

Most students are admitted to Letters & Science upon admission to the University if their primary academic interest on their application is an L&S degree program or "Undecided." A student may also enter L&S as a first year student if they select Business as their primary academic interest, do not gain admission to the School of Business upon entry, and have a second degree plan choice in L&S. Students who select Pharmacy as their primary interest begin in L&S, and may subsequently transition to the Pharmacology/Toxicology program or remain in L&S.

Students originally admitted to a different School or College at UW–Madison may transfer to Letters & Science if they are in good academic standing, meet the eligibility requirements, and complete a Request to Transfer to L&S (https://advising.ls.wisc.edu/transfer/) application.

PROGRAM OF STUDY UPON ENTERING THE COLLEGE

All students, except those admitted to the College's Mead Witter School of Music (https://music.wisc.edu/undergraduate-admissions/) through an audition, enter Letters & Science as either Bachelor of Arts or Bachelor of Science students. Students are required to declare a major (https://kb.wisc.edu/ls/page.php?id=53616) before reaching Senior standing.

REENTRY/READMISSION

Students who have not been enrolled in classes for more than one full Fall or Spring term must apply as a reentry student (https://admissions.wisc.edu/apply-as-a-reentry-student/) through the Office of Admissions. Students reenter their most recent academic program (degree, major, and certificates).

L&S students who have been academically suspended (https://guide.wisc.edu/undergraduate/letters-science/#policiesandregulationstext) must first apply for readmission to the College of Letters & Science. If approved, they must also apply for reentry to UW–Madison through the Office of Admissions. [see: L&S | Readmission after Academic Suspension (https://deans.ls.wisc.edu/policies-forms/probation/readmission/)].

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

ENROLLMENT

Enrollment Status

Students are considered enrolled at UW–Madison when they are officially registered for classes. Students on a UW–Madison Study Abroad program are considered enrolled at UW–Madison.

Full-time enrollment is:

- `Fall and Spring: 12 to 18 credits (18 is the normal maximum)`
- `Summer: 6 to 12 credits (12 is the normal maximum)`

Students may enroll in fewer than 12 credits in Fall or Spring terms without special permission. [see: Office of the Registrar | Credit Load and Ranges (https://registrar.wisc.edu/credit-load-and-ranges/)]. However, full-time status is required for some campus programs, benefits, and services. Students should consult their academic advisor before enrolling in fewer than 12 credits. [Find your advisor in Academic Navigator (https://my.wisc.edu/academic-navigator/)]

Students may request a credit overload of 19 or 20 credits in Fall or Spring term, or 13 credits in Summer term, if they have a cumulative University GPA of 3.000 or higher. No student may be enrolled in more than these maximum credits. This credit overload must be approved by L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/). [see: L&S | Credit Overload (https://deans.ls.wisc.edu/policies-forms/credit-overload/)]

University tuition is calculated based on enrolled credits, among other factors, so additional tuition and fees is assessed on credit overloads. [see: Bursar's Office | Tuition & Fees (https://bursar.wisc.edu/tuition-and-fees/) and L&S | Tuition Refund Policy (https://deans.ls.wisc.edu/policies-forms/tuition-refund-policy/)]

Concurrent enrollment at another institution

Students may be enrolled in classes at another institution when they are also enrolled in UW–Madison classes, as long as the combined credit totals do not exceed 20 credits in Fall or Spring terms and 13 credits in Summer terms. No special permission is needed. [see: L&S | Concurrent Enrollment (https://deans.ls.wisc.edu/policies-forms/concurrent-enrollment/)]

Credit earned at other institutions may be eligible to transfer to UW–Madison, up to the maximums described above. [see: Office of the Registrar | Transfer your credit to UW–Madison (https://registrar.wisc.edu/transfer-your-credit-to-uw-madison/)]

Withdrawing from a term

A withdrawal is a request to drop all classes and not continue enrollment in that term. Because of the potential consequences of a withdrawal, the student must submit a withdrawal application to L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/). [see: L&S | Withdrawing from Semester/Term (https://deans.ls.wisc.edu/policies-forms/withdrawal/)]

Deadlines to add, drop, and change classes

For each session in a term, UW–Madison sets deadlines for making changes to class schedules. After those deadlines pass, students must seek permission to make changes. When a "academic dean approval" is required, contact L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/). [see: Office of the Registrar | Dates & Deadlines (https://registrar.wisc.edu/dates/), L&S | Late Drop Request] (https://deans.ls.wisc.edu/policies-forms/late-drop-application/)

Reentry

Students who have not been enrolled for at least one full term must apply for reentry (p. 369) to UW–Madison through the Office of Admissions. Students reenter their most recent academic program (degree, major, and certificates). [see: Office of Admissions | Apply as Reentry Student (https://admissions.wisc.edu/apply-as-a-reentry-student/)]

COURSES AND CREDITS

Find descriptions of UW–Madison courses, attributes, repeatability, and requisites in the Courses (https://guide.wisc.edu/courses/) section of the Guide.

Course requisites

Some courses have required conditions ("requisite" or "prerequisite") that must be met before a student can enroll, such as another completed course (e.g., CHEM 103 before CHEM 104), placement test scores, or class standing (e.g., sophomore standing). Some courses have a co-requisite course where both are taken together in the same term.

Repeating a course

Some courses are designated as repeatable for credit, as shown in the details of the Courses (https://guide.wisc.edu/courses/) section in Guide. For "Special Topics" and Directed Study courses that are repeated, the content of the class must be different each time for credit to be awarded.

Students may enroll in a non-repeatable course for which they have already earned credit. This is referred to as enrolling on a "refresher" basis. Students earn credit for the first time they pass a non-repeatable course, whether that course was first passed at UW–Madison or another institution. A grade earned in a refresher course is calculated in the cumulative University GPA and the Term GPA, but not in the L&S degree's other GPA requirements. [see: L&S | Retaking a Course (https://deans.ls.wisc.edu/policies-forms/retaking-courses/)]

A refresher course counts toward the student's credit load for the term, including as a basis for tuition and fees.

Repeating a non-repeatable course does not remove or change the grade received for the earlier attempt or completion of the course.

Directed Study

Directed Study are courses where the learning experience is customized with the mentorship of a member of the faculty.

Directed Study courses in subject areas outside of Letters & Science, and numbered 398 or higher, are considered Liberal Arts and Science (LAS) courses. Directed Study courses may be repeated for credit if course content is not duplicated. Directed Study courses do not meet University General Education, Language, or L&S Breadth requirements. [see: L&S Degree Requirements (https://guide.wisc.edu/undergraduate/letters-science/#requirementstext)]

Directed Study courses may not be taken on a Pass/Fail or Audit basis. Courses with numbers ending in "99" (e.g., HISTORY 699) are graded on an A to F basis. Courses with numbers ending in "98" (e.g., HISTORY 698) are graded on a Credit/No Credit basis.

Graduate courses

Courses numbered 700 and above are reserved for students enrolled in a UW–Madison graduate degree program.

In rare instances, an instructor may permit an exceptional undergraduate student to enroll in their graduate course, if the graduate experience advances the student's education goals.

Undergraduate students taking graduate courses are expected to complete the same work as graduate students and are graded accordingly. Undergraduate students who complete a graduate course with a passing grade earn undergraduate degree credit. [see: L&S | Graduate Courses (https://deans.ls.wisc.edu/policies-forms/graduate-courses/)]

- Graduate-level courses in L&S subject areas count as Advanced-level credit and toward the required 108 credits in Liberal Arts and Science courses and the Mastery of Intermediate/Advanced work.
- Graduate-level courses in subject areas outside of Letters & Science are considered free electives in the degree.
- Graduate-level courses do not count towards L&S Breadth requirements.
- Grades earned by undergraduates in graduate-level courses are computed in all relevant grade-point averages for the degree.
- Undergraduate students cannot enroll in or earn degree credit for graduate-level Directed Study, Independent Reading, Independent

Study, Dissertation, or Individual Enrollment courses (e.g., 799, 899, 999).

Credit by Departmental Examination

Some L&S departments may award credit by exam for approved courses. Departments are responsible for maintaining procedures for awarding credit by departmental examination. For a list of courses approved for credit by examination see: Credit by Exam (https://guide.wisc.edu/undergraduate/#placementandcreditbyexamtext).

Retroactive language credit

UW–Madison awards degree credit (called retroactive credit or retro-credit) for language learning to students who meet certain criteria. [see: Retroactive Language Credit (https://guide.wisc.edu/undergraduate/#placementandcreditbyexamtext) and UW–Madison Language Institute | Policies (https://languages.wisc.edu/policy/)]

English as a Second Language (ESL)

Language placement tests for some students evaluate their English language proficiency and place those students into an English as a Second Language course. [see: Placement Tests (https://guide.wisc.edu/undergraduate/#placementandcreditbyexamtext)]

Up to six credits in ESL courses may count for degree credit in Letters & Science. Only ESL 118 counts as Liberal Arts and Science credit.

EXAMS

Letters & Science follows the University policy (https://policy.wisc.edu/library/UW-862/) and the campus schedule for midterm and final examinations. [see: L&S | Exams (https://deans.ls.wisc.edu/policies-forms/exams/)]

GRADES

Letters & Science follows the University policy for grades and grading. [see: Grading System (https://guide.wisc.edu/undergraduate/#enrollmentandrecordstext) and Office of the Registrar | Student Grading and GPA (https://registrar.wisc.edu/student-grades/)]

Grade changes

A grade may be changed only if there has been a reporting error. In such cases, the student should notify the instructor, who can then correct the grade. [see: L&S | Grade Changes (https://deans.ls.wisc.edu/policies-forms/grade-changes/)]

Grade appeals

Students have the right to appeal a final grade if they believe that grade to be either incorrect or inequitable when compared to the standard grading policy in the syllabus for all students taking the same course. A student wishing to appeal their grade must follow the process described here: [L&S | Grade Appeals (https://kb.wisc.edu/ls/22258/)]

Incomplete grade (I)

A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework.

To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

For a short summary of the policy, see the Enrollment and Records - Incompletes section (https://uwprod-my.sharepoint.com/undergraduate/#undergraduateincompletes) of Guide.

Pass/Fail grade (S/U)

Students may take classes on a Pass/Fail basis according to University policy (https://guide.wisc.edu/undergraduate/#undergraduatepassfailgradingprocess). In Letters & Science, courses with a Pass/Fail grade of S are eligible to meet the requirements for total degree credits, Liberal Arts and Science credit, Mastery of Intermediate/Advanced work, and the Senior Residence requirement. Courses with a Pass/Fail grade of S do not meet other requirements of L&S degree, major, or certificate programs. Pass/Fail grades do not compute into any GPA requirements. [see: L&S | Pass/Fail (https://deans.ls.wisc.edu/policies-forms/pass-fail/)]

Students request the Pass/Fail grade option through their Student Center. This request must be approved by L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/). Once the deadline for requesting Pass/Fail grading has passed, no adjustments to the grading approach may occur. [see: Process for requesting the Pass/Fail grading option (https://guide.wisc.edu/undergraduate/#undergraduatepassfailgradingprocess)]

MAJORS

Declaring a major

Declaring is the formal process of adding a major to a degree program.

Students are required to declare a major or be admitted into a specialized degree program before they reach Senior standing (i.e., they have 86 earned degree credits). Students who have not yet declared a major or specialized degree by the fifth week of the term in which they have 86 combined earned and in-progress credits will be prevented from enrolling in a future term until they either declare a major/specialized degree or are granted an extension by L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/). Students who feel they need an extension must consult their academic advisor about their plan to declare a major. [Find your advisors in Academic Navigator (https://my.wisc.edu/academic-navigator/)]

Canceling a major

Students who no longer want to complete a major must contact the department of the major and request it be canceled. Seniors who wish to cancel their only declared major are subject to the major declaration policy above, and will need to choose an alternate major. [see: L&S Degrees/Majors/Certificates (https://guide.wisc.edu/undergraduate/letters-science/#degreesmajorscertificatestext)]

Additional L&S major (for students in other schools/colleges)

Undergraduate students pursuing degrees in other UW–Madison Schools/Colleges may declare an additional major in the College of Letters & Science. Students must obtain permission from the academic deans (https://registrar.wisc.edu/permissions/#academicdean) in their home School/College and the L&S department that offers the L&S major.

Students who declare an additional L&S major only complete the requirements of that major; they do not complete the other L&S degree requirements.

Students earning their degree from another School/College at UW-Madison and who concurrently complete the requirements of an L&S major will have that major conferred by L&S after their primary degree is conferred. The L&S major will be added to the

official UW-Madison transcript. [see: L&S Degrees, Majors, and Certificates (https://guide.wisc.edu/undergraduate/letters-science/#degreesmajorscertificatestext) and Office of the Registrar | Posting of Degrees (https://registrar.wisc.edu/posting-of-degrees/)]

Additional majors in other colleges/schools (for L&S students)

After declaring at least one L&S major, students may request permission to declare one of these additional majors outside of Letters & Science [see: L&S | Declaring a Second Major Outside of L&S for L&S Undergraduates] (https://kb.wisc.edu/ls/25408/):

- Educational Policy Studies (School of Education)
- Global Health (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/entomology/global-health-bs/) (College of Agriculture & Life Sciences)
- Health Promotion and Health Equity (https://guide.wisc.edu/undergraduate/education/kinesiology/health-promo-health-equity-bs/) (School of Education)
- Theatre and Drama (https://guide.wisc.edu/undergraduate/education/theatre-drama/theatre-drama-bs/) (School of Education)

The College of Letters & Science will not delay conferring a degree to a student who has completed their L&S degree requirements but has not completed the requirements of an additional non-L&S major.

ACADEMIC STANDING

Academic standing is based on the student's most recent academic standing status, cumulative University GPA, and Term GPA. [see: L&S | Probation (https://kb.wisc.edu/ls/38198/)]

Good academic standing

Students are in good academic standing when their cumulative University GPA and most recent Term GPA are both 2.000 or higher. New students who have not yet established a University GPA are in good academic standing.

Academic probation and suspension

Students with a cumulative University GPA or most recent Term GPA of 1.999 or lower have an academic standing of Probation, Strict Probation, or Suspension, according to the section below. Students who are academically suspended may not enroll at UW–Madison for three consecutive terms (a combination of Fall, Spring, and Summer). [see: L&S | Probation (https://kb.wisc.edu/ls/38198/)]

Probation

- Assigned when a student in good academic standing earns a Term GPA of 1.000 to 1.999.
- Continued when a student on probation earns a Term GPA of 2.000 to 4.000 that results in a cumulative University GPA of 0.000 to 1.999.

Strict Probation

- Assigned when a student in good academic standing earns a Term GPA of 0.000 to 0.999; or
- Assigned when a student on probation earns a Term GPA of 1.500 to 1.999; or
- Assigned when a student on academic suspension is readmitted.
- Continued when a student on strict probation earns a Term GPA of 2.000 to 4.000 that results in a cumulative University GPA of 0.000 to 1.999.

Suspension

- Occurs when a student on probation earns a Term GPA of 0.000 to 1.499; or
- Occurs when a student on strict probation earns a Term GPA of 0.000 to 1.999.

Readmission

L&S students who have been academically suspended must first apply for readmission to the College of Letters & Science. If approved, they must also apply for reentry to UW–Madison through the Office of Admissions. [see: L&S | Readmission after Academic Suspension (https://deans.ls.wisc.edu/policies-forms/probation/readmission/)].

UW–Madison requires that academically suspended students who have been approved for readmission return to their previous college (Letters & Science) and major (if declared), although the student may later follow standard processes to change colleges or majors.

DEAN'S LIST

The Dean's List is published at the end of Fall and Spring terms [registrar.wisc.edu/deanslist (https://registrar.wisc.edu/deanslist/)]. Students on the Dean's List for that term receive a transcript notation.

In the College of Letters & Science, students are eligible for the Dean's List for a term when they complete at least 12 graded credits, do not have any unresolved temporary grades, and have a Term GPA of:

- 3.600 or higher (freshmen and sophomores)
- 3.850 or higher (juniors and seniors)

Temporary grades like NR, I, and Q must be resolved before students are eligible for the L&S Dean's List. [see: Office of the Registrar | Valid Grades (https://registrar.wisc.edu/valid-grades/)]

Students who have verified that they meet the eligibility criteria for a term but do not have a Dean's List notation on their transcript may contact L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/). [see: L&S | Dean's List (https://deans.ls.wisc.edu/policies-forms/deans-list/)]

DEGREES AND DIPLOMAS

Changing degrees within Letters & Science

Students in the Bachelor of Arts and Bachelor of Science degrees may switch between them by completing a Degree Program Change form. [see: L&S | Degree Program Change (https://deans.ls.wisc.edu/policies-forms/degree-program-change/)]

Graduation

Students are expected to graduate in the term when they have completed all degree and major requirements. Graduating students should review all of their degree audit ("DARS") reports, meet with their advisor, and "apply for graduation" by the tenth day of class in their final term. Students apply for graduation via their Student Center. [see: Office of the Registrar | Apply for Graduation (https://registrar.wisc.edu/applyforgraduation/)]

Degree conferral

L&S confers degrees to qualified students after final grades are reported for a term. L&S uses the degree audit ("DARS") to verify that all requirements in a student's degree and each declared major are complete, and that all grades are final. Students should review their "DARS" in consultation with their advisor(s) to verify eligibility to graduate at the conclusion of the term.

In the term a student graduates with their degree, all completed certificates will be audited and, if complete, awarded. Certificates that are not complete will not be awarded and will not delay graduation. Students are strongly advised not to delay their graduation for the sole purpose of pursuing a certificate program.

Term of Conferral

A student's degree is conferred in the term when all credit is awarded and all grades are final.

If a student has an Incomplete grade in their last enrolled term that is given a final grade after that term is over the degree will be conferred in the term when the work was reported to be completed by the instructor of the course. [see: L&S | Graduation and Degree Audit Deficiency (https://deans.ls.wisc.edu/policies-forms/graduation-and-degree-audit-deficiency/)]

The College of Letters & Science has the authority to confer a degree to a student who has completed their degree requirements but did not formally apply for graduation. [see: Office of the Registrar | Apply for Graduation (https://registrar.wisc.edu/applyforgraduation/)]

Diplomas

The University Registrar posts degrees and orders diplomas after a student's degree is conferred by the College of Letters & Science. UW–Madison undergraduate diplomas display the degree earned (e.g., Bachelor of Arts) but not major(s) or certificate(s). Major and certificate information is recorded on the student's official UW–Madison transcript. [see: Office of the Registrar | Posting of Degrees (https://registrar.wisc.edu/posting-of-degrees/), Office of the Registrar | Diplomas (https://registrar.wisc.edu/diplomas/) and Office of the Registrar | Transcripts (https://registrar.wisc.edu/transcript/)]

Second undergraduate degree

Students may be enrolled in, and earn, only one UW–Madison undergraduate degree. Students may not pursue a dual degree that combines a degree program in L&S with one in another UW-Madison School or College.

When there are exceptional circumstances, a student may be approved to enroll in the College of Letters & Science for a second undergraduate degree. Eligibility is determined as part of the admissions process, in consultation with the academic deans in Letters & Science. [see: L&S | Second Undergraduate Degree (https://deans.ls.wisc.edu/second-undergraduate-degree/)]

REQUIREMENTS

REQUIREMENTS

This page provides information about the requirements of these L&S degrees:

- Bachelor of Arts (BA)
- Bachelor of Science (BS)
- Journalism Bachelor of Arts (JBA)
- Journalism Bachelor of Science (JBS)

Consult the Guide Majors & Certificates (p. 22) section for degree requirements for the L&S degrees: Bachelor of Science in Applied Mathematics, Engineering, and Physics; Bachelor of Landscape Architecture; Bachelor of Music: Performance; Bachelor of Music: Education and Bachelor of Social Work.

Requirements for the BA, BS, JBA, and JBS degrees:

- University General Education (p. 373)
  - Language (p. 373)
  - Mathematics (p. 374)
  - Breadth: Exploration in the Liberal Arts and Sciences (p. 374)
- Major: Understanding a Field of Study (p. 374)
- Liberal Arts and Science Credits (p. 374)
- Mastery of Intermediate/Advanced Liberal Arts and Science Credit (p. 375)
- Residency Requirement (p. 375)
- Quality of Work (p. 375)

CATALOG YEARS

A student's degree requirements are established according to student-specific academic milestones. These are often referred to as "catalog year" policies. Each school and college at UW-Madison may have different catalog year policies. In L&S, the catalog policies determine the requirements of the degree as follows:

- University General Education Requirements (UGER): Year and term of first matriculation to any accredited institution of higher learning, after graduating from secondary school.
- L&S degree requirements: Year and term of first matriculation to any accredited institution of higher learning, after graduating from secondary school.
- L&S major/certificate requirements: Year and term of program declaration.

The Degree Audit Reporting System (DARS (p. 375)) applies these catalog year policies automatically.

Students should consult the catalog-year edition of the Guide that applies to each requirement of their programs. For example, a student's Guide for L&S degree requirements may differ from their Guide for major requirements.

Students have the option to adopt new catalog-year rules if a new version of the curriculum benefits them. Students wishing to update their catalog year for major/certificate requirements should contact the advisor of that program. For L&S or UGER requirements, students should contact L&S Undergraduate Academic Deans' Services.

UNIVERSITY GENERAL EDUCATION

Students in L&S must satisfy the University General Education requirements (p. 33). Most General Education courses are taught in L&S and provide foundations in communication, quantitative reasoning, ethnic studies, humanities, social sciences, and natural sciences.

Language

The College of Letters & Science teaches over fifty languages (https://languages.wisc.edu/) other than English. The study of a language other than English contributes in an important way to a broad education in a multi-lingual world where many people do not speak or read English and where much of the knowledge that is disseminated may never appear in English. Knowledge of a language other than English is important for an appreciation of the culture of the people using that language, and it also helps students to understand the structure and complexities of their own language. Degrees in L&S require language study to ensure that all

students have access to the knowledge, skills, and perspectives studying a language affords.

L&S Language requirements differ between the BA and the BS degrees:

- BA students complete either the fourth unit of a language other than English, or the third unit of one language other than English in combination with the second unit of a different language other than English.
- BS students complete the third unit of a language other than English.

A language unit is one semester of college language study, one year of language study in the same language in high school, or two years of language study in the same language in middle school. This requirement can only be met by units of study in languages other than English.

Students may complete the L&S Language requirements in various ways:

- Through units completed in high school
- Through units completed at UW-Madison or at another accredited college or university
- Through departmental placement and assessment methods (https://languages.wisc.edu/new-students/#placement-and-policies)

Students with a documented disability in second language acquisition who believe they cannot meet the Language requirement for their L&S degree may apply for an accommodation. If approved, students will be allowed to complete the Language requirement with alternate course work known as a "Language Substitution Package." Information about this process is available at L&S Undergraduate Academic Deans' Services (https://deans.ls.wisc.edu/non-english-language-substitution-package/).

Mathematics

Mathematics and mathematical reasoning are foundational to learning in nearly all areas of inquiry and are thus a key component of a liberal arts and science education.

- For BA students, the L&S mathematics requirement is satisfied by completing the University General Education Requirements for Quantitative Reasoning A and Quantitative Reasoning B.
- BS students must complete two Intermediate or Advanced courses, each at least three credits, in either Mathematics, Computer Sciences, or Statistics. Of the two additional courses, only one may be from Computer Sciences and only one may be from Statistics.

Breadth: Exploration in the Liberal Arts and Sciences

Students who are liberally educated understand the connections between many scholarly approaches to world knowledge. The L&S Breadth requirements expose students to three general areas of knowledge: arts and humanities, social sciences, and the natural sciences. Combined, these broad areas challenge students to understand different ways (methods) of knowing and to connect various subjects of inquiry.

The three areas of Breadth are:

- Humanities, which primarily focuses on understanding humans as thinkers, citizens, and creators of art, literature, and culture. Courses that meet the Humanities Breadth requirement are designated as Humanities or Literature.
- Social Sciences which primarily focuses on understanding humans and their interactions in societies, institutions, and systems. Courses that meet the Social Science Breadth requirement are designated as Social Science.
- Natural Sciences, which primarily focuses on systematic study of the natural and physical world, and with the use of abstraction and logical reasoning. Courses that meet the Natural Science Breadth requirement are designated as Biological Science, Physical Science, or Natural Science.

Many courses carry more than one Breadth designation (e.g., "Humanities or Social Science"). These courses always approach their topics from these complementary "ways of knowing," but may only count toward one of the Breadth requirements and cannot be split between two areas.

BA students must complete these Breadth requirements:

- 12 credits in Humanities, to include at least 6 credits in Literature.
- 12 credits in Social Sciences.
- 12 credits in Natural Sciences, to include at least one 3+ credit course in Biological Science and one 3+ credit course in Physical Science.

BS students must complete these Breadth requirements:

- 12 credits in Humanities, to include at least 6 credits in Literature.
- 12 credits in Social Sciences.
- 12 credits in Natural Sciences, to include at least 6 credits in Biological Science and 6 credits in Physical Science.

MAJOR: UNDERSTANDING A FIELD OF STUDY

L&S offers more than 60 majors and special degree programs (p. 367). Completing a major allows students to deeply investigate at least one subject or issue. Work in the major requires a progression of skills, knowledge, and values, where advanced learning opportunities in upper-level coursework grow from and expand upon earlier experiences. In advanced coursework, senior capstone, or independent research projects, students are asked to synthesize what they have learned and apply it in new situations. By the conclusion of their studies, students are educated to understand themselves and their society, to develop their intellectual powers outside of a university setting, and to make productive contributions to the world around them.

Students must complete at least one L&S major to earn their degree. Students are required to declare a major before reaching senior standing (86 earned credits). The process to declare a major is outlined in the How to Get In (p. 367) section of each major. All L&S majors require students to meet quality of work (p. 375) and residency (p. 375) requirements.

LIBERAL ARTS AND SCIENCE CREDITS

Of the 120 credits required for the bachelor's degree (p. 9), students must earn at least 108 credits in courses designated as Liberal Arts and Science courses. These courses promote the core educational values of the liberal arts and sciences:

- skilled written and verbal communication, excelling in formulating and expressing a point of view; reflecting and questioning current knowledge through reading; research and consideration of the views of others.
- the ability to draw flexibly upon and apply the modes of thought of the major areas of knowledge.
- knowledge of our basic cultural heritage as a multifaceted and often contested history.

MASTERY OF INTERMEDIATE/ADVANCED LIBERAL ARTS AND SCIENCE CREDIT

Students are expected to challenge themselves in rigorous courses and achieve deeper knowledge of subject matter as they progress in their degree. To meet this expectation, students must:

- complete at least 60 credits in Liberal Arts and Science courses with either the Intermediate or Advanced level designation.
- earn a minimum 2.000 GPA on all Intermediate and Advanced courses.

RESIDENCY

Students must have 30 overall credits in residence to meet the campus requirement. In addition, L&S students must complete at least 30 credits in residence as a Senior (after 86 earned degree credits) and 15 credits at the upper-level in each declared major. These requirements are intended to ensure that students have a substantive and meaningful academic experience in classes taught by UW-Madison faculty. These credits do not have to be contiguous for the requirement to be met.

A course is considered in residence if the student enrolls for credit through UW-Madison. This includes any courses completed:

- at UW-Madison, in any instructional mode (in-person, online, or hybrid).
- through a UW-Madison administered program, either domestically or internationally (i.e., Study Abroad through International Academic Programs).

Courses are considered on campus if they are both in residence and taught by a UW-Madison instructor in-person, online, or in a hybrid mode of instruction. Courses taken through a UW–Madison study abroad program are not on campus.

QUALITY OF WORK

A student's overall quality of work and their quality of work in their chosen major(s) are important measures of a student's mastery of knowledge. The L&S quality of work requirements are all computed on courses taken in residence, and set a minimum 2.000 GPA in four specific areas:

- University GPA, computed using all graded courses at UW–Madison.
- Intermediate/Advanced, computed using courses designated Liberal Arts and Science (LAS) with Intermediate or Advanced level. Courses taken on a refresher basis (p. 370) do not compute toward this requirement.
- Major, computed in each major using all courses that meet the requirements of that major and all courses in the subject listing of each major (if applicable). Courses taken on a refresher basis (p. 370) do not compute toward this requirement.
- Upper-Level in Major, computed in each major using courses designated as upper-level for that major. Courses taken on a refresher basis (p. 370) do not compute toward this requirement.

DEGREE AUDIT REPORTING SYSTEM (DARS)

The requirements for every L&S degree, major, and certificate program are audited using the Degree Audit Reporting System (DARS) (https://enroll.wisc.edu/dars/). DARS is the official report of student degree progress, requirement fulfillment, and eligibility to graduate with an L&S degree, additional major, or certificate program.

Students should use DARS regularly (https://kb.wisc.edu/21634/) in conjunction with academic advising to see how their completed and in-progress coursework satisfies the requirements of their L&S program(s).

When a student applies to graduate, L&S will use DARS for all their declared programs to determine whether they have completed all requirements of the degree and are eligible to graduate. Students can generate and review their DARS in the Student Center via My UW (https://my.wisc.edu).

Students may also use DARS to explore L&S programs in which they are interested but not declared by using the "What-If" DARS (https://kb.wisc.edu/94068/) available in their Student Center. They may also include courses they plan to take in a future term and audit the results using DARS. When exploring L&S programs, students are encouraged to consult Guide, their assigned academic advisor, and the academic advisor of the program they are considering.

RESOURCES

RESOURCES

ACADEMIC ADVISING

You make the decisions that fit your academic plan. We'll help you know your options.

Academic advisors are experts who help you explore UW–Madison courses and understand the components of your degree. They help you find learning support, tutoring, activities, and services that enhance your college experience, such as First-Year Interest Groups (https://figs.wisc.edu/), Study Abroad (https://studyabroad.wisc.edu/), and honors classes (https://honors.ls.wisc.edu/).

Enrolled undergraduate students always have at least one assigned advisor; find yours in MyUW's Academic Navigator (https://my.wisc.edu/academic-navigator/).

Discuss your academic plan with your advisor frequently throughout your college years.

You connect with your advising team at SOAR (https://soar.wisc.edu/), the orientation for all incoming students. Your assigned advisor will have a broad knowledge of courses, majors, and certificates.

When you declare a major, your primary academic advising shifts to an advisor in that major's department who specializes in its requirements and opportunities.

Additional Advisors

UW–Madison has specialist advisors for students interested in future study in medicine and health professions, law, business, and more. Students developing research for a senior thesis and other kinds of advanced study may have a faculty advisor who is an instructor or professor.

advising.wisc.edu/advising-101 (http://advising.wisc.edu/advising-101/) – This all-campus advising website is an excellent place to start understanding how advising fits into your college life.

advising.ls.wisc.edu (http://advising.ls.wisc.edu) – L&S Academic Advising Services is the College's central coordinating office for undergraduate academic advising.

POLICY ADVISING

If you are told to "talk to a dean" or you "need deans' permission," this means a special kind of college administrator called an academic dean.

Academic deans assist students on issues and processes related to college policy, such as grade changes, enrollment updates, credit overloads,

and degree clearance. They also support students who are experiencing academic challenges, helping them navigate academic suspension, withdrawing from the term, and seeking readmission to the College. In their work, academic deans make discretionary decisions regarding the interpretation and implementation of College policy for individual cases and manage appeals of related concerns.

deans.ls.wisc.edu (https://deans.ls.wisc.edu/) – Our academic deans are in L&S Undergraduate Academic Deans' Services. They interpret and apply academic policy to L&S students, faculty, and staff and provides accurate and comprehensive information about L&S academic rules and processes.

CAREER ADVISING

Many departments in Letters & Science have career advisors dedicated to students in the major: check the "Advising and Careers" sections of programs in this Guide. Career advisors have deep connections to alumni and other professionals in fields related to the major. They assist with internships, networking, and other services to help students build a plan toward chosen careers.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

HONORS

HONORS

The College of Letters & Science Honors Program provides a community for many of the university's most talented and engaged undergraduates. Students of all backgrounds and academic interests challenge and learn from each other while working closely with faculty members and completing Honors coursework. The Honors Program is home to around 1,500 motivated, curious students, all pursuing one of three degree tracks: Honors in the Liberal Arts, Honors in the Major, or Comprehensive Honors –the highest undergraduate degree awarded by the college. In addition to an enhanced curriculum that offers small, faculty-led courses, the program also offers academic advising services; grants, scholarships, and awards; and many professional development and co-curricular opportunities. Events, term-specific deadlines, funding opportunities and much more can be found on the L&S Honors Program website (http://honors.ls.wisc.edu/). We welcome inquiries via email at honors@honors.ls.wisc.edu. The L&S Honors Program is located in the historic Washburn Observatory at 1401 Observatory Drive in Madison, WI 53706.

HOW TO GET IN

Eligibility criteria and admissions procedures differ for the different Honors degrees. Any UW–Madison Honors credits earned before admission to the Honors Program may be applied toward Honors degree requirements.

Admission to Honors in the Liberal Arts (HLA)

To become a candidate for the Honors in the Liberal Arts degree, a student must apply directly to the L&S Honors Program. Students follow different application procedures based on whether they are an incoming (non-transfer) student newly admitted to the College of Letters & Science, on the one hand, or a transfer student or continuing L&S student, on the other.

All students admitted to the university and to the College of Letters & Science are invited to apply to the Honors Program to pursue Honors in the Liberal Arts. Interested incoming students can apply via an online application. L&S admitted students receive an invitation message by email that contains application instructions, and instructions are also on the Honors Program website. Admission to the program is competitive, and space is limited.

Continuing L&S undergraduates and incoming transfer students with a cumulative grade point average of 3.300 or above who are currently enrolled at UW–Madison or who are transferring to UW–Madison from another college or university may apply. Application instructions and decision timelines are available on the Honors Program website (http://honors.ls.wisc.edu/). While continuing or transfer students having 60 or more credits at the time of application to the Honors Program are eligible to pursue the Honors in the Liberal Arts (HLA) degree track, they are encouraged to consider whether Honors in the Major (HM) would be their preferred Honors track (see below), since they may find it difficult to prioritize and complete the HLA degree requirements. Meeting with an Honors advisor can help interested students understand Honors requirements and possible paths forward.

Admission to Honors in the Major (HM)

Most majors in the College of Letters & Science offer students the option of pursuing Honors in the Major. Students interested in pursuing an Honors in the Major degree should consult the requirements for their major in Guide, follow major-specific procedures to declare the major, and speak with their assigned major advisor, who will explain any major-specific admissions procedures and Honors requirements. After receiving authorization from the department to declare Honors in the Major, students must complete the Honors in the Major Declaration Form (https://honors.ls.wisc.edu/honors-in-the-major-declaration-form/) on the Honors Program website.

Honors in the Major can be pursued independently from or alongside Honors in the Liberal Arts.

REQUIREMENTS

Honors may be earned in any L&S undergraduate degree (Bachelor of Arts; Bachelor of Science; Bachelor of Science–Applied Mathematics, Engineering, and Physics; Bachelor of Arts–Journalism or Bachelor of Science–Journalism; Bachelor of Landscape Architecture; Bachelor of Music; and Bachelor of Social Work). For students who complete the requirements, Honors will appear on diplomas and transcripts (for

example, BA with Honors in the Liberal Arts or BS with Honors in the Major).

Honors in the Liberal Arts (HLA)

Honors in the Liberal Arts requires students earn Honors credits in a breadth of disciplines and is meant to enrich and enhance a student's academic experience outside of the major. Coursework toward Honors in the Liberal Arts should be started as soon as possible and spread throughout a student's undergraduate degree. Students who complete this curriculum build connections with faculty and peers and develop strong skills in communication, critical thinking and complex problem solving, which will serve them well regardless of career path. The specific requirements for the HLA degree are:

- completion of the L&S general degree requirements
- a University GPA of 3.300 or higher at the time of graduation
- completion of at least 24 credits in Honors courses with the Liberal Arts & Science (LAS) designation and with grades of B or better, of which:
  - at least 15 credits must be in courses with the Honors Only or Accelerated Honors designation
  - 6 credits must be courses designated as Humanities (may include Literature designation)
  - 6 credits must be courses designated as Social Science
  - 6 credits must be courses designated as Biological, Physical, or Natural Science

Honors in the Major (HM)

Honors in the Major is intended for students who are interested in original research and who want deeper undergraduate training in the discipline. Honors in the Major can prepare students with the research, writing, and critical thinking skills useful to a wide range of career choices and graduate programs.

Each academic department and program in the college, with approval of the Faculty Honors Committee, establishes its own requirements for the Honors in the Major degree.

Although many of the specific requirements for HM vary by department, all students pursuing Honors in the Major must:

- complete the L&S general degree requirements, if an L&S degree candidate[1];
- complete the regular major requirements, including any declared named option requirements;
- obtain a University grade point average of at least 3.300;
- earn a grade of B or better in all courses counting towards Honors in the Major requirements; and
- successfully complete a capstone experience during their senior year, typically a Senior Honors Thesis (see below for more information).

[1] Non-L&S degree candidates may pursue Honors in the Major, but will not receive an L&S degree.

In addition to these collegewide requirements, Honors in the Major students may be required to complete additional upper-level, Honors coursework; participate in department research colloquia; and meet a minimum grade point average in all classes in the major (typically between 3.300 and 3.500).

Senior Honors Thesis

Most departments require a Senior Honors Thesis as the culmination of their Honors in the Major curriculum. In departments for which a research thesis is not the most appropriate capstone, an alternative such as a performance, a professional practicum, or a major piece of creative writing may be required. The two-semester Senior Honors Thesis or capstone project is often the most challenging part of the Honors in the Major experience, and for most students it also proves to be the most rewarding.

The Senior Honors Thesis is a two-semester (or summer and semester) effort; students first enroll in Senior Honors Thesis 681, followed the next term by Senior Honors Thesis 682 (some departments may use different numeric designations for Senior Honors Thesis courses). These two courses may not be taken concurrently. The final grade for the entire thesis is assigned after 682 has been completed. The thesis advisor will assign the thesis writer a P grade at the end of 681, signifying "progress," if progress has been made on the Senior Honors Thesis. When a 682 grade is posted, the Registrar's Office will update the "P" grade from 681 to match the assigned grade from 682.

A Senior Honors Thesis may not count toward Honors in the Major requirements in more than one major unless the student has received Dual Thesis Authorization from the L&S Honors Program. Dual Thesis Authorization (https://honors.ls.wisc.edu/dual-thesis-authorization/) allows the student to write one interdisciplinary thesis under the guidance of two thesis mentors, one representing each major, and have the thesis count toward Honors in the Major for both majors. Students interested in Dual Thesis Authorization should consult the Honors Program's Dual Thesis Authorization information. The L&S Honors Program strongly recommends that students seeking Dual Thesis Authorization submit required application materials the semester before they will be in a first-semester thesis course (typically 681).

A student may not enroll in senior Honors thesis credits for an L&S major (typically 681 and 682) while studying abroad unless they have received prior authorization from the L&S Honors Program. Such authorization is rarely granted, and the student would still need their thesis mentorship to be through UW-Madison. L&S Honors students interested in completing any thesis credits while abroad should consult with the L&S Honors Associate Director of Advising and Curriculum and also make a plan for thesis completion while on campus in Madison.

Comprehensive Honors

Students who complete the requirements for both Honors in the Liberal Arts and Honors in the Major in at least one department or program earn Comprehensive Honors, the highest undergraduate degree awarded by the College.

HOW TO EARN HONORS CREDIT

There are three unique Honors course designations, each described below. Students should always verify the Honors designation available for the particular section in which they wish to enroll.

- "Honors Only" courses are reserved for Honors candidates. They are generally small classes, led by a faculty member and designed for substantive engagement, or discussion sections or labs reserved for Honors students in larger non-Honors lecture courses. The enrollment system will automatically assign Honors credit to all enrolled students.
- "Accelerated Honors" are open to all students. Honors credit is awarded in recognition of the rigor and pace of the course. These Honors courses are often conducted at a faster pace than the non-Honors course counterparts or are upper-level capstone courses in a major that require significant engagement with the course material.

As with "Honors Only" designated courses, the enrollment system will automatically assign Honors credit to all enrolled students.

- "Honors Optional" designates courses for which Honors is available through an optional component of the course curriculum. These courses are open to all students for enrollment. Opting into the Honors component of the course is done through the enrollment process. Students who have selected the "Honors Option" are advised to consult with the instructor during the first three weeks of the term to confirm the Honors requirements for the course. Instructors either have pre-established Honors Optional expectations or students may be encouraged to develop a project idea of their own.

When the Schedule of Classes is published for the upcoming term, students can use the Enroll App to identify which course sections are being offered for Honors and with which designation. A course or course section being offered for Honors in a past term in no way guarantees that it will be offered for Honors in a future term.

Honors candidates may also earn Honors credit through the following methods:

- Complete an approved "Green Sheet" project. The Green Sheet proposal process allows a student to design an additional project for a course that is not otherwise offered for Honors credit in the given term. Green Sheets require consent of the instructor and approval of the L&S Honors Program. Green Sheet proposals must be submitted to the Honors Program no later than sixth week of a fall or spring semester or the third week of an eight-week summer term. Additional information and the online proposal form are available on the Green Sheet Information page (https://honors.ls.wisc.edu/green-sheet-information/) of the Honors Program website.
- Participate in an Honors-affiliated Study Abroad Program. Honors credit for some or all of the courses taken through these programs is awarded automatically through the study abroad equivalency process. More information about current Honors-affiliated study abroad programs can be found on the Study Abroad page (https://honors.ls.wisc.edu/study-abroad-3/) of the Honors Program website.
- Complete a study abroad petition. Through this process, a student may petition to have one course from an eligible study abroad term count toward unmet Honors requirements for Honors in the Liberal Arts. More information can be found on the Study Abroad Petition Information (https://honors.ls.wisc.edu/study-abroad-petition-information/) page of the Honors Program website.

In all cases, to receive Honors credit in a course, students must earn a final grade of B or higher in that course. If a grade of BC or lower is earned in an Honors course, the Honors notation remains on the student's record, but the course does not count toward Honors degree requirements. If the course is retaken for Honors, regardless of the grade earned during this second attempt, the course cannot satisfy an Honors degree requirement.

Students may not receive Honors credit in courses carried on a pass/fail basis.

ADVISING AND CAREERS

The L&S Honors Program has a team of dedicated academic advisors who accompany and support Honors candidates from the time the students join the Honors Program through their graduation. Advisors help individual students as they navigate a large, complex university, explore diverse educational and co-curricular experiences, and develop and pursue long-term goals. Advising occurs through a variety of formats including small group workshops, individual appointments, drop-in hours, and email.

Additional information is available on the Honors Program website (http://honors.ls.wisc.edu/).

The L&S Honors Program encourages our students to begin working on their career exploration and preparation soon after arriving on campus. We partner with the L&S SuccessWorks office to help students leverage the academic skills learned in the major(s) and liberal arts degree, explore and try out different career paths, participate in internships, prepare for the job search and/or graduate school applications, and network with professionals in the field (alumni and employers).

PEOPLE

Please visit the L&S Honors website (https://honors.ls.wisc.edu/meet-the-honors-team-members/) to view Honors Team Members, including the Director, Associate Directors, Program Administrator, and Academic Advisors.

We welcome inquiries via email at honors@honors.ls.wisc.edu. Current students can connect with Honors advising via Starfish or by emailing advisor@honors.ls.wisc.edu.

POLICIES

Honors Progression

Students must obtain a University grade point average of 3.300 or higher to be eligible to graduate with an Honors in the Liberal Arts, Honors in the Major, or Comprehensive Honors. As such, we encourage students to strive for at least this GPA each academic term. The Honors Program advising team will reach out to students and offer their support in developing an improvement plan should their GPA drop below 3.300.

Students who leave the College of Letters & Science or who have not made progress toward meeting Honors in the Liberal Arts coursework or GPA requirements may be administratively withdrawn to facilitate timely graduation with a non-Honors degree.

Because each department sets its own criteria for the HM degree program, students are encouraged to work closely with departmental advisors to stay on track towards successful completion of HM.

Students may withdraw from HLA and/or HM at any time by submitting an Honors Withdrawal Form (https://honors.ls.wisc.edu/honors-withdrawal-form/), available on the Honors Program website.

Honors Transfer Credit

Honors credit earned at other institutions is not accepted towards L&S Honors degree requirements.

AFRICAN AMERICAN STUDIES

The Department of African American Studies at the University of Wisconsin–Madison offers students an opportunity to study those aspects of black history, culture, and society in ideal interdisciplinary models that reconstruct African American life. It challenges students to critically examine facts and issues that are historically and contemporaneously relevant to the African American experience. The department offers an undergraduate major and certificate.

The Department of African American Studies formed in 1970 out of student concern for relevance in higher education that was so dramatically evidenced on many college campuses in the 1960s. Committed to bringing academic research to the broadest possible audience, the

Department of African American Studies at UW–Madison believes the deepest understanding of the complex reality of race in America requires a truly interdisciplinary approach. Within and beyond the walls of the university, our studies draw on history, literature, the social sciences, and the arts. Faculty members and students are active in a broad range of activities, including hip-hop programs for at-risk youth, college classes for low-income adults, and the Public History Project. The department prides itself on positive working relationships with our colleagues in other disciplines, including the other ethnic studies programs, the departments of Gender and Women's Studies, African Cultural Studies, English, History, and the School of Education.

A vibrant community of scholars and students who believe in the ideal of unity without uniformity, we welcome all those committed to a deeper understanding of race and ethnicity in America and the world.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- African American Studies, BA (p. 379)
- African American Studies, BS (p. 383)
- African American Studies, Certificate (p. 387)

AFRICAN AMERICAN STUDIES, BA

The Department of African American Studies offers you an opportunity to study Black history, culture, and society in interdisciplinary models that reconstruct African American life. It challenges you to critically examine facts and issues that are historically and contemporaneously relevant to the African American experience. Faculty members and students are active in a broad range of activities, including hip-hop programs for at-risk youth, college classes for low-income adults, the Prison Education Initiative, and the Public History Project. The department prides itself on positive working relationships with our colleagues in other disciplines, including the departments of Gender and Women's Studies (https://gws.wisc.edu/), African Cultural Studies (https://african.wisc.edu/), English (https://english.wisc.edu/), History (https://history.wisc.edu), and the School of Education (https://education.wisc.edu/).

The department is committed to bringing academic research to the broadest possible audience, with the belief that the deepest understanding of the complex reality of race in America requires a truly interdisciplinary approach, one that draws on history and literature, the social sciences, and the arts. Course options for the African American Studies major include "Introduction to Black Women Writers," "Race and American Politics from the New Deal to the New Right," "Hip-Hop and Contemporary American Society," "Blacks, Film, and Society," "Afrofuturism and Popular Culture," "Introduction to African American Art," "Black Street Culture," "Traditions in African American Humor," "Slavery and Capitalism," and "Black Women's Political Behavior."

African American Studies students gain deeper insight into ongoing racial inequality and social justice, helping them be more informed and empathetic when addressing issues of equity in their future careers. Students will graduate prepared to interact effectively in a multicultural world and workplaces and to share the results of academic research in the area of race with their communities.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students intending to major in African American Studies should contact the Undergraduate Advisor.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The major in African American Studies requires **a minimum of 30 credits.** 15 of those credits must be numbered 300 and above. Students must take 2 courses from each of the five areas listed below:

1. Literature;
2. History and Society;
3. Arts and Culture;
4. Seminars and Advanced Courses; and
5. Electives.

LITERATURE

Code	Title	Credits
Two Courses From:		6
AFROAMER/ GEN&WS 222	Introduction to Black Women Writers	
AFROAMER 225	Introduction to African American Dramatic Literature	
AFROAMER 227	Masterpieces of African American Literature	
AFROAMER 265	African-American Autobiography	
AFROAMER 337	The Harlem Renaissance	
AFROAMER 338	The Black Arts Movement	
Total Credits		**6**

HISTORY AND SOCIETY

Code	Title	Credits
Two Courses From:		6
AFROAMER 151	Introduction to Contemporary Afro-American Society	
AFROAMER 231	Introduction to African American History	
AFROAMER 272	Race and American Politics from the New Deal to the New Right	
AFROAMER/ HISTORY 321	Afro-American History Since 1900	
AFROAMER/ HISTORY 322	African American History to 1900	
AFROAMER/ GEN&WS 324	Black Women in America: Reconstruction to the Present	
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	
Total Credits		**6**

ARTS AND CULTURE

Code	Title	Credits
Two Courses From		6
AFROAMER 154	Hip-Hop and Contemporary American Society	
AFROAMER 156	Black Music and American Cultural History	
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women	
AFROAMER 303	Blacks, Film, and Society	

AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa
Total Credits	**6**

SEMINARS AND ADVANCED COURSES

Code	Title	Credits
Two Courses From		6
AFROAMER 525	Major Authors	
AFROAMER 621	Slavery and Capitalism in the United States	
AFROAMER/ GEN&WS 624	African American Women's Activism (19th & 20th Centuries)	
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	
AFROAMER 631	Colloquium in Afro-American History	
AFROAMER 671	Selected Topics in Afro-American History	
AFROAMER/ ENGL 672	Selected Topics in Afro-American Literature	
AFROAMER 673	Selected Topics in Afro-American Society	
AFROAMER 675	Selected Topics in Afro-American Culture	
AFROAMER/ GEN&WS 677	Critical and Theoretical Perspectives in Black Women's Writings	
Total Credits		**6**

ELECTIVES

Code	Title	Credits
Two Courses From		6
AFROAMER/ AMER IND/ ASIAN AM/ CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	
AFROAMER 155	They: Race in American Literature	
AFROAMER/ GEN&WS 221	Introduction to Black Women's Studies	
AFROAMER 271	Selected Topics in African American Culture	
AFROAMER 302	Undergraduate Studies in Afro-American History	
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	
AFROAMER/ GEN&WS 333	Black Feminisms	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
AFROAMER/ POLI SCI 519	African American Political Theory	
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	
AFROAMER/ ED POL 567	History of African American Education	
Total Credits		**6**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all AFROAMER and major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence[2]
- 15 credits in AFROAMER, taken on the UW–Madison campus

[2] Upper-level in the major includes AFROAMER courses numbered 300 and above and courses that count for the major that are designated as Intermediate or Advanced level.

HONORS IN THE MAJOR

Students may declare Honors in the African American Studies Major in consultation with the African American Studies undergraduate advisor.

HONORS IN THE AFRICAN AMERICAN STUDIES MAJOR REQUIREMENTS

To earn Honors in the Major in African American Studies, students must satisfy both the requirements for the major (above) and the following additional requirements:

- 3.300 University GPA
- 3.500 GPA in all AFROAMER courses, and all courses accepted in the major
- Complete at least one course with a cross-cultural or comparative focus:

Code	Title	Credits
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4
AFROAMER/ AFRICAN/ANTHRO/ GEOG/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
AFROAMER/ DANCE/MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
AFROAMER/ ASIAN AM/DANCE/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama	3-4

- Complete at least 15 credits in AFROAMER in courses numbered 500-599 or 600-699, to include a two-semester Senior Honors Thesis in AFROAMER 681 and AFROAMER 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Familiar with the history, culture and social conditions of African Americans in the United States and, secondarily, in the African diaspora.
2. Prepared to interact effectively in a multicultural world.
3. Prepared to share the results of academic research in the area of race with their communities in Wisconsin, the U.S., and the world.
4. Prepared for careers working in institutions that address the needs of multicultural communities.
5. Develop an understanding of the connection between different disciplinary approaches to the study of race.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication-A (complete during your first year)	3	AFROAMER major course	3
Quantitative Reasoning-A (complete during your first year)	3	AFROAMER major course (Literature)[2]	3
Foreign Language	4	AFROAMER elective (Ethnic Studies)[3]	3
AFROAMER Arts & Culture course[1]	3	AFROAMER major course (History & Society)[4]	3
Elective (eg. SEED = 1 credit)	1-3	Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning-B	4	Communication-B	3-4
INTER-LS 210 (Elective)	1	AFROAMER major course numbered 300-above (History & Society)	3
AFROAMER major course (Arts & Culture)	3	Physical Science Breadth	3
Biological Science Breadth	3	Elective	3
Elective	3	Elective	3
	14		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)[4]		AFROAMER major course numbered 300-higher (Literature)	3
I/A Comp Sci, Math or Stats (if required for BS)	3	AFROAMER major course numbered 300-higher	3
AFROAMER major course numbered 300 and higher	3	Science Breadth	3
Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
AFROAMER seminar	3	AFROAMER Seminar	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1 Many AFROAMER courses from Arts & Culture carry Humanities breadth and will also meet the L&S Breadth requirement for Humanities (up to 6 credits).

2 AFROAMER literature courses will satisfy the L&S Literature Breadth requirement (6 credits of Literature course work).

[3] Nearly all AFROAMER courses carry the Ethnic Studies (ESR) designation and will apply to General Education and the major. Students should complete ESR within first 60 credits.
[4] Many AFROAMER courses in History & Society will carry Social Science Breadth and also meet the L&S Breadth requirements for Social Science (12 credits) course work.
[5] Students must declare a major by the time they reach 86 credits.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

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Please contact the undergraduate advisor.
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SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

AFRICAN AMERICAN STUDIES, BS

The Department of African American Studies offers you an opportunity to study Black history, culture, and society in interdisciplinary models that reconstruct African American life. It challenges you to critically examine facts and issues that are historically and contemporaneously relevant to the African American experience. Faculty members and students are active in a broad range of activities, including hip-hop programs for at-risk youth, college classes for low-income adults, the Prison Education Initiative, and the Public History Project. The department prides itself on positive working relationships with our colleagues in other disciplines, including the departments of Gender and Women's Studies (https://gws.wisc.edu/), African Cultural Studies (https://african.wisc.edu/), English (https://english.wisc.edu/), History (https://history.wisc.edu), and the School of Education (https://education.wisc.edu/).

The department is committed to bringing academic research to the broadest possible audience, with the belief that the deepest understanding of the complex reality of race in America requires a truly interdisciplinary approach, one that draws on history and literature, the social sciences, and the arts. Course options for the African American Studies major include "Introduction to Black Women Writers," "Race and American Politics from the New Deal to the New Right," "Hip-Hop and Contemporary American Society," "Blacks, Film, and Society," "Afrofuturism and Popular Culture," "Introduction to African American Art," "Black Street Culture," "Traditions in African American Humor," "Slavery and Capitalism," and "Black Women's Political Behavior."

African American Studies students gain deeper insight into ongoing racial inequality and social justice, helping them be more informed and empathetic when addressing issues of equity in their future careers. Students will graduate prepared to interact effectively in a multicultural world and workplaces and to share the results of academic research in the area of race with their communities.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students intending to major in African American Studies should contact the Undergraduate Advisor.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The major in African American Studies requires **a minimum of 30 credits.** 15 of those credits must be numbered 300 and above. Students must take 2 courses from each of the five areas listed below:

1. Literature;
2. History and Society;
3. Arts and Culture;
4. Seminars and Advanced Courses; and
5. Electives.

LITERATURE

Code	Title	Credits
Two Courses From:		6
AFROAMER/ GEN&WS 222	Introduction to Black Women Writers	
AFROAMER 225	Introduction to African American Dramatic Literature	
AFROAMER 227	Masterpieces of African American Literature	
AFROAMER 265	African-American Autobiography	
AFROAMER 337	The Harlem Renaissance	
AFROAMER 338	The Black Arts Movement	
Total Credits		**6**

HISTORY AND SOCIETY

Code	Title	Credits
Two Courses From:		6
AFROAMER 151	Introduction to Contemporary Afro-American Society	
AFROAMER 231	Introduction to African American History	
AFROAMER 272	Race and American Politics from the New Deal to the New Right	
AFROAMER/ HISTORY 321	Afro-American History Since 1900	
AFROAMER/ HISTORY 322	African American History to 1900	
AFROAMER/ GEN&WS 324	Black Women in America: Reconstruction to the Present	
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	
Total Credits		**6**

ARTS AND CULTURE

Code	Title	Credits
Two Courses From		6
AFROAMER 154	Hip-Hop and Contemporary American Society	
AFROAMER 156	Black Music and American Cultural History	
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women	
AFROAMER 303	Blacks, Film, and Society	
AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa	
Total Credits		**6**

SEMINARS AND ADVANCED COURSES

Code	Title	Credits
Two Courses From		6
AFROAMER 525	Major Authors	
AFROAMER 621	Slavery and Capitalism in the United States	
AFROAMER/ GEN&WS 624	African American Women's Activism (19th & 20th Centuries)	
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	
AFROAMER 631	Colloquium in Afro-American History	
AFROAMER 671	Selected Topics in Afro-American History	
AFROAMER/ ENGL 672	Selected Topics in Afro-American Literature	
AFROAMER 673	Selected Topics in Afro-American Society	
AFROAMER 675	Selected Topics in Afro-American Culture	
AFROAMER/ GEN&WS 677	Critical and Theoretical Perspectives in Black Women's Writings	
Total Credits		**6**

ELECTIVES

Code	Title	Credits
Two Courses From		6
AFROAMER/ AMER IND/ ASIAN AM/ CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	
AFROAMER 155	They: Race in American Literature	
AFROAMER/ GEN&WS 221	Introduction to Black Women's Studies	
AFROAMER 271	Selected Topics in African American Culture	
AFROAMER 302	Undergraduate Studies in Afro-American History	
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	
AFROAMER/ GEN&WS 333	Black Feminisms	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
AFROAMER/ POLI SCI 519	African American Political Theory	
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	
AFROAMER/ ED POL 567	History of African American Education	
Total Credits		**6**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all AFROAMER and major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence[2]
- 15 credits in AFROAMER, taken on the UW–Madison campus

[2] Upper-level in the major includes AFROAMER courses numbered 300 and above and courses that count for the major that are designated as Intermediate or Advanced level.

HONORS IN THE MAJOR

Students may declare Honors in the African American Studies Major in consultation with the African American Studies undergraduate advisor.

HONORS IN THE AFRICAN AMERICAN STUDIES MAJOR REQUIREMENTS

To earn Honors in the Major in African American Studies, students must satisfy both the requirements for the major (above) and the following additional requirements:

- 3.300 University GPA
- 3.500 GPA in all AFROAMER courses, and all courses accepted in the major
- Complete at least one course with a cross-cultural or comparative focus:

Code	Title	Credits
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4

AFROAMER/ AFRICAN/ANTHRO/ GEOG/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
AFROAMER/ DANCE/MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
AFROAMER/ ASIAN AM/DANCE/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama	3-4

- Complete at least 15 credits in AFROAMER in courses numbered 500-599 or 600-699, to include a two-semester Senior Honors Thesis in AFROAMER 681 and AFROAMER 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Familiar with the history, culture and social conditions of African Americans in the United States and, secondarily, in the African diaspora.
2. Prepared to interact effectively in a multicultural world.
3. Prepared to share the results of academic research in the area of race with their communities in Wisconsin, the U.S., and the world.
4. Prepared for careers working in institutions that address the needs of multicultural communities.
5. Develop an understanding of the connection between different disciplinary approaches to the study of race.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication-A (complete during your first year)	3	AFROAMER major course	3
Quantitative Reasoning-A (complete during your first year)	3	AFROAMER major course (Literature)[2]	3
Foreign Language	4	AFROAMER elective (Ethnic Studies)[3]	3
AFROAMER Arts & Culture course[1]	3	AFROAMER major course (History & Society)[4]	3
Elective (eg. SEED = 1 credit)	1-3	Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning-B	4	Communication-B	3-4
INTER-LS 210 (Elective)	1	AFROAMER major course numbered 300-above (History & Society)	3
AFROAMER major course (Arts & Culture)	3	Physical Science Breadth	3
Biological Science Breadth	3	Elective	3
Elective	3	Elective	3
	14		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)[4]		AFROAMER major course numbered 300-higher (Literature)	3
I/A Comp Sci, Math or Stats (if required for BS)	3	AFROAMER major course numbered 300-higher	3
AFROAMER major course numbered 300 and higher	3	Science Breadth	3
Science Breadth	3	Elective	3

Elective	3 Elective	3
Elective	3	
	15	**15**

Fourth Year

Fall	Credits	Spring	Credits
AFROAMER seminar	3	AFROAMER Seminar	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1 Many AFROAMER courses from Arts & Culture carry Humanities breadth and will also meet the L&S Breadth requirement for Humanities (up to 6 credits).

2 AFROAMER literature courses will satisfy the L&S Literature Breadth requirement (6 credits of Literature course work).

3 Nearly all AFROAMER courses carry the Ethnic Studies (ESR) designation and will apply to General Education and the major. Students should complete ESR within first 60 credits.

4 Many AFROAMER courses in History & Society will carry Social Science Breadth and also meet the L&S Breadth requirements for Social Science (12 credits) course work.

5 Students must declare a major by the time they reach 86 credits.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

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Please contact the undergraduate advisor.
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SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

AFRICAN AMERICAN STUDIES, CERTIFICATE

The certificate in African American Studies introduces you to the interdisciplinary study of African American, African diaspora and African history, society, and culture. You may choose courses in African American history, literature, Black women's studies, art history, visual culture, music history, politics, and sociology. The certificate offers you opportunities to engage in interdisciplinary study and practice that will complement your degree and enhance your intellectual and creative participation in their chosen professions and a citizen in our global society.

HOW TO GET IN

HOW TO GET IN

To declare a certificate in African American Studies, students must be enrolled as an undergraduate at the University of Wisconsin–Madison. Interested students must contact the department's undergraduate adviser to declare the certificate and be assigned a faculty adviser in their area of interest. Students may not declare both the certificate and the major in African American studies.

REQUIREMENTS

REQUIREMENTS

Certificate students must plan with a faculty adviser a cohesive program consisting of 15 credits chosen from undergraduate AFROAMER courses.

- At least one 3-credit course must focus on African American history (see list below).
- A minimum of 9 credits must be completed from AFROAMER courses numbered 300–699.
- At least one 3-credit course must be advanced (AFROAMER 500–697).
- A maximum of 3 credits of directed study (AFROAMER 699) may count toward the certificate.
- Students may not substitute courses from other academic programs or subject listings to fulfill the requirements for this program

Code	Title	Credits
All certificate students must take one 3-credit course in African American history:		3
AFROAMER 231	Introduction to African American History	
AFROAMER 272	Race and American Politics from the New Deal to the New Right	
AFROAMER 302	Undergraduate Studies in Afro-American History	
AFROAMER/ HISTORY 321	Afro-American History Since 1900	
AFROAMER/ HISTORY 322	African American History to 1900	
AFROAMER/ GEN&WS 324	Black Women in America: Reconstruction to the Present	

AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	
AFROAMER 621	Slavery and Capitalism in the United States	
AFROAMER/ GEN&WS 624	African American Women's Activism (19th & 20th Centuries)	
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	
AFROAMER 631	Colloquium in Afro-American History	
AFROAMER 671	Selected Topics in Afro-American History	
AFROAMER electives to meet the minimum credit requirement for the certificate		12
Total Credits		**15**

RESIDENCE & QUALITY OF WORK

- At least 8 credits must be completed in residence.
- Minimum 2.500 GPA on all certificate courses.
- Courses taken pass/fail or credit/no credit may not apply to the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. To familiarize students with the history, culture and social conditions of African Americans in the United States.
2. To introduce students to an interdisciplinary approach to the study of race, gender, and ethnicity in America.
3. To prepare students for careers in institutions that address the needs of multicultural communities.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please contact the Undergraduate Advisor, Anthony Black (anthony.black@wisc.edu).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

AFRICAN CULTURAL STUDIES

The mission of the Department of African Cultural Studies is to research and teach the languages and expressive cultures of Africa and Africans around the world. Our faculty specialize in literature, history, music, film, critical applied linguistics, drama, diaspora studies, communications and new media. Our undergraduate program emphasizes the development and application of analytical, linguistic, and research methods that enable students to work effectively and imaginatively across regions, languages, cultural forms, fields, and disciplines. A student majoring in African Cultural Studies is prepared for careers across the globe!

Undergraduates study one of six languages offered by the department – Arabic, Hausa, Swahili, Wolof, Yoruba, and Zulu – and combine their language study with popular courses in the humanities, literature, and ethnic studies. Students can also enroll in academic self-driven study for less commonly taught African languages. The department offers a wide range of course topics, including African literature and theater, contemporary cinema and music, Afro-Futurism, gender and sexuality, and internet and media studies.

Majors are encouraged to study abroad in Africa during their undergraduate careers. Study abroad programs sponsored by UW–Madison include semesters or full years in Morocco, Senegal, South Africa, Ghana, and other African nations. Other programs are available through different institutions. See International Academic Programs (http://www.studyabroad.wisc.edu/) and visit the Majors Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/african-cultural-studies/).

For more information, students should feel free to contact the Department of African Cultural Studies (http://african.wisc.edu/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- African Cultural Studies, BA (p. 389)
- African Cultural Studies, BS (p. 394)
- Arabic Language and Culture, Certificate (p. 399)

AFRICAN CULTURAL STUDIES, BA

The mission of the Department of African Cultural Studies is to research and teach the languages and expressive cultures of Africa and Africans around the world. Our faculty specialize in literature, history, music, film, critical applied linguistics, drama, diaspora studies, communications and new media. Our undergraduate program emphasizes the development and application of analytical, linguistic, and research methods that enable students to work effectively and imaginatively across regions, languages, cultural forms, fields, and disciplines. A student majoring in African Cultural Studies is prepared for careers across the globe!

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For more information, students should feel free to contact the Department of African Cultural Studies (http://african.wisc.edu/).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The African Cultural Studies major consists of a combination of literature and culture courses and two semesters of an African language for a minimum of 32 credits. The major requirements are divided into three areas: Language, Literature and Culture, and Capstone Course.

LANGUAGE

Code	Title	Credits
Complete one of the following language options:		8-10
AFRICAN 321 & AFRICAN 322	First Semester Arabic and Second Semester Arabic	
AFRICAN 331 & AFRICAN 332	First Semester Swahili and Second Semester Swahili	
AFRICAN 335 & AFRICAN 336	First Semester-A Language of Southern Africa and Second Semester-A Language of Southern Africa	
AFRICAN 339 & AFRICAN 340	First Semester Summer Arabic and Second Semester Summer Arabic	
AFRICAN 361 & AFRICAN 362	First Semester Hausa and Second Semester Hausa	
AFRICAN 371 & AFRICAN 372	First Semester Yoruba and Second Semester Yoruba	
AFRICAN 391 & AFRICAN 392	First Semester-A Language of West Africa and Second Semester-A Language of West Africa	
Total Credits		**8-10**

LITERATURE AND CULTURE

Code	Title	Credits
Core course:		**3**
AFRICAN 100	Introduction to African Cultural Expression	
Intermediate/Advanced Literature and Culture:		**12**
AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ POLI SCI/ SOC 277	Africa: An Introductory Survey	
AFRICAN 300	African Literature in Translation	
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	
AFRICAN 303	African Literature and Visual Culture	
AFRICAN 304	Soccer in Africa	
AFRICAN 323	Third Semester Arabic	
AFRICAN 324	Fourth Semester Arabic	
AFRICAN 329	Fifth Semester Arabic	
AFRICAN 330	Sixth Semester Arabic	
AFRICAN 333	Third Semester Swahili	
AFRICAN 334	Fourth Semester Swahili	
AFRICAN 341	Third Semester Summer Arabic	
AFRICAN 342	Fourth Semester Summer Arabic	
AFRICAN 343	Fifth Semester Summer Arabic	
AFRICAN 344	Sixth Semester Summer Arabic	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 373	Third Semester Yoruba	
AFRICAN 374	Fourth Semester Yoruba	
AFRICAN 393	Third Semester-A Language of West Africa	
AFRICAN 394	Fourth Semester-A Language of West Africa	
AFRICAN 399	Directed Study of an African Language	
AFRICAN 402	Theory of African Literature	
AFRICAN 406	Topics in African Literature	
AFRICAN 407	Topics in African Languages	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFRICAN 409	Topics in US and Global Black Music Studies	
AFRICAN 412	Contemporary African Fiction	
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	

AFRICAN 435	Fifth Semester Swahili
AFRICAN 436	Sixth Semester Swahili
AFRICAN/ FRENCH 440	African/Francophone Film
AFRICAN/ COM ARTS/ L I S 444	Technology and Development in Africa and Beyond
AFRICAN/ PORTUG 451	Lusophone African Literature
AFRICAN/ JEWISH/ MEDIEVAL/ RELIG ST 462	Muslims and Jews
AFRICAN 605	Advanced Topics in African Cultural Studies
AFRICAN 606	Advanced Topics in African Literature
AFRICAN 681	Senior Honors Thesis
AFRICAN 682	Senior Honors Thesis
AFRICAN 698	Directed Study
AFRICAN 699	Directed Study
AFROAMER 302	Undergraduate Studies in Afro-American History
AFROAMER/ DANCE/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas
AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa
A A E/ECON 477	Agricultural and Economic Development in Africa
ANTHRO 333	Prehistory of Africa
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
ECON/A A E 477	Agricultural and Economic Development in Africa
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective
GEOG 355	Africa, South of the Sahara
HISTORY 278	Africans in the Americas, 1492-1808
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
MUSIC/ AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas
POLI SCI 329	African Politics
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
Literature and Culture Electives:	**6**
AFRICAN/ HISTORY 106	Introduction to African History
AFRICAN/ HISTORY 129	Africa on the Global Stage
AFRICAN 201	Introduction to African Literature
AFRICAN 202	Introductory Topics in African Cultural Studies
AFRICAN 203	Introductory Topics in African Literature
AFRICAN 204	Introductory Topics in African Languages
AFRICAN 206	Introduction to African Linguistic Practices
AFRICAN/ FOLKLORE 210	The African Storyteller
AFRICAN 212	Introduction to African Popular Culture
AFRICAN/ FRENCH 216	Modern and Contemporary Francophone Topics
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal
AFRICAN 230	Introduction to Yoruba Life and Culture
AFRICAN 231	Introduction to Arabic Literary Culture
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction
AFROAMER/ GEN&WS 221	Introduction to Black Women's Studies
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture
GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies
GEN&WS/ AFROAMER 267	Artistic/Cultural Images of Black Women
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present
Total Credits	**21**

CAPSTONE COURSE

Code	Title	Credits
1 course from the following:		3
AFRICAN 403	Theories of African Cultural Studies	
AFRICAN 405	Topics in African Cultural Studies	
Total Credits		**3**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all AFRICAN and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [1]
- 15 credits in AFRICAN, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the African Cultural Studies Major in consultation with the African Cultural Studies undergraduate advisor. To earn Honors in the Major in African Cultural Studies students must satisfy both the requirements for the major (above) and the following additional requirements:

1. Earn a 3.300 overall university GPA
2. Earn 3.300 GPA in all AFRICAN and major courses
3. Complete 15 Honors credits in the major, in residence, that includes:
   a. 9 credits in courses numbered 200 and above
   b. A two-semester Senior Honors Thesis

   in AFRICAN 681 and AFRICAN 682, for a total of 6 credits.

FOOTNOTES

[1] Courses with Intermediate or Advanced level are considered upper level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Content) Recognize canonical authors and texts, historical forms, genres, and structures, and recognize aesthetic and cultural concerns in Africa and its diasporas.
2. (Content) Demonstrate their understanding of major theories, approaches, concepts, and current and classical research findings in African and diaspora literary and cultural studies.
3. (Content) Develop a level of proficiency in the different “ways of knowing” Africa and the diaspora through language, literatures, and cultures.
4. (Research Skills) Understand their own learning processes and possess the capacity to intentionally seek, evaluate, and learn from information, and recognize and reduce bias in their thinking.
5. (Research Skills) Effectively retrieve and comprehend primary sources in English and African languages, and secondary sources from a range of disciplines.
6. (Communication Skills) Develop or improve speaking, listening, writing, reading skills in an African language, and integrate these skills to communicate effectively.
7. (Communication Skills) Communicate effectively through essays, oral presentations, and discussion, so they may share their knowledge, wisdom, and values with others across social and professional settings.
8. (Communication Skills) Show knowledge of conventional rhetorical strategies, and integrate research by other authors while distinguishing between their own ideas and those of others.
9. (Communication Skills) Write and speak across disciplinary boundaries with regard to existing research about Africa and the diaspora in the humanities and social sciences.
10. (Analytical Skills) Discuss cultural texts from various theoretical and critical perspectives, formulate ideas and make connections between literary/cultural concepts and themes.
11. (Analytical Skills) Demonstrate command of the terminology and methodology of cultural studies, construct complex arguments, and use primary and secondary sources to support arguments.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
First semester AFRICAN language	5	Second semester AFRICAN language	5
AFRICAN 100	3	AFRICAN/ AFROAMER 233 or 297[1]	3
Communication Part A (complete during first year)	3	Quatitative Reasoning Part A (complete during first year)	4
Biological Science Breadth	3	Physical Science Breadth	3
	14		**15**

Second Year

Fall	Credits	Spring	Credits
AFRICAN 201, 202, 203, or 204[2]	3	One AFRICAN or related course at Intermediate level	3
Social Science Breadth	3	Quantitative Reasoning Part B	4
Science Breadth	3	Social Science Breadth	3
Continue language study for BA/BS OR Elective	3-4	Continue language study for BA OR Elective	3-4
Elective	3	Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
One AFRICAN or related course at Intermediate level	3	One AFRICAN or related course at Intermediate level	3
Social Science Breadth	3	Social Science Breadth	3
Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
One AFRICAN or related course at Intermediate level	3	AFRICAN 403 or 405	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

[1] Fulfills Ethnic Studies, Social Science OR Humanities requirement
[2] Fulfills Communication Part B, Literature OR Humanities requirement

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the African Cultural Studies website. (https://african.wisc.edu/undergraduate-program/)

ADVISING

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Contemporary Arabic Literature and Culture* and *South Africa's Truth and Reconciliation Commission* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors also know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your academic challenges and difficulties
- Connecting with tutors
- Picking a study abroad program
- Practicing for interviews
- Talking about graduate school
- Proofreading résumés and cover letters

CAREERS

Humanities majors develop a wide variety of skills and talents, so they're prepared for just about any type of career or educational pursuit. Our coursework builds the critical thinking and communication skills needed to succeed in careers ranging from politics and education to business and law.

One of the more significant skills African Cultural Studies students develop is language acquisition. We offer a number of funding opportunities (https://languages.wisc.edu/scholarships/) to support language study, small class sizes with more opportunity for participation and cultural exchange, unique study abroad and international internship experiences, and instructors who are primarily native speakers with a keen interest in teaching. Plus, UW–Madison ranks #1 in the nation for students earning a bachelor's degree in language other than English!

In addition to the valuable language training and cultural competence an African Cultural Studies major gives you, consider what you learn in the classroom as well as what you do each day to be a successful student. The skills you develop are equally important in the workplace:

- critical reading, reflection, and analysis
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose
- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
- discussion and debate strategies
- proper research design and methodology
- broader knowledge of career and graduate-study options

Count on being well-prepared for an exciting and rewarding career!

Visit our website (https://african.wisc.edu/undergraduate-program/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience,

and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

One of the most valuable resources for students interested in language study is the Language Institute and its website, Languages at UW–Madison (http://www.languages.wisc.edu/).

Learn more about scholarships (http://www.languages.wisc.edu/beyond/scholarships/) and other opportunities for funded language study.

ACS partners with the campus' African Studies Program, a federally-funded language and resource center for those doing research in Africa. See their offerings, grants and fellowships here (https://africa.wisc.edu/academics/acedemics-fellowships-and-awards/).

AFRICAN CULTURAL STUDIES, BS

The mission of the Department of African Cultural Studies is to research and teach the languages and expressive cultures of Africa and Africans around the world. Our faculty specialize in literature, history, music, film, critical applied linguistics, drama, diaspora studies, communications and new media. Our undergraduate program emphasizes the development and application of analytical, linguistic, and research methods that enable students to work effectively and imaginatively across regions, languages, cultural forms, fields, and disciplines. A student majoring in African Cultural Studies is prepared for careers across the globe!

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For more information, students should feel free to contact the Department of African Cultural Studies (http://african.wisc.edu/).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The African Cultural Studies major consists of a combination of literature and culture courses and two semesters of an African language for a minimum of 32 credits. The major requirements are divided into three areas: Language, Literature and Culture, and Capstone Course.

LANGUAGE

Code	Title	Credits
Complete one of the following language options:		8-10
AFRICAN 321 & AFRICAN 322	First Semester Arabic and Second Semester Arabic	
AFRICAN 331 & AFRICAN 332	First Semester Swahili and Second Semester Swahili	
AFRICAN 335 & AFRICAN 336	First Semester-A Language of Southern Africa and Second Semester-A Language of Southern Africa	
AFRICAN 339 & AFRICAN 340	First Semester Summer Arabic and Second Semester Summer Arabic	
AFRICAN 361 & AFRICAN 362	First Semester Hausa and Second Semester Hausa	
AFRICAN 371 & AFRICAN 372	First Semester Yoruba and Second Semester Yoruba	
AFRICAN 391 & AFRICAN 392	First Semester-A Language of West Africa and Second Semester-A Language of West Africa	
Total Credits		**8-10**

LITERATURE AND CULTURE

Code	Title	Credits
Core course:		**3**
AFRICAN 100	Introduction to African Cultural Expression	
Intermediate/Advanced Literature and Culture:		**12**
AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ POLI SCI/ SOC 277	Africa: An Introductory Survey	
AFRICAN 300	African Literature in Translation	
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	
AFRICAN 303	African Literature and Visual Culture	
AFRICAN 304	Soccer in Africa	
AFRICAN 323	Third Semester Arabic	
AFRICAN 324	Fourth Semester Arabic	
AFRICAN 329	Fifth Semester Arabic	
AFRICAN 330	Sixth Semester Arabic	
AFRICAN 333	Third Semester Swahili	
AFRICAN 334	Fourth Semester Swahili	
AFRICAN 341	Third Semester Summer Arabic	
AFRICAN 342	Fourth Semester Summer Arabic	
AFRICAN 343	Fifth Semester Summer Arabic	
AFRICAN 344	Sixth Semester Summer Arabic	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 373	Third Semester Yoruba	
AFRICAN 374	Fourth Semester Yoruba	

AFRICAN 393	Third Semester-A Language of West Africa
AFRICAN 394	Fourth Semester-A Language of West Africa
AFRICAN 399	Directed Study of an African Language
AFRICAN 402	Theory of African Literature
AFRICAN 406	Topics in African Literature
AFRICAN 407	Topics in African Languages
AFRICAN/ RELIG ST 408	Everyday Religion in Africa
AFRICAN 409	Topics in US and Global Black Music Studies
AFRICAN 412	Contemporary African Fiction
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora
AFRICAN 435	Fifth Semester Swahili
AFRICAN 436	Sixth Semester Swahili
AFRICAN/ FRENCH 440	African/Francophone Film
AFRICAN/ COM ARTS/ L I S 444	Technology and Development in Africa and Beyond
AFRICAN/ PORTUG 451	Lusophone African Literature
AFRICAN/ JEWISH/ MEDIEVAL/ RELIG ST 462	Muslims and Jews
AFRICAN 605	Advanced Topics in African Cultural Studies
AFRICAN 606	Advanced Topics in African Literature
AFRICAN 681	Senior Honors Thesis
AFRICAN 682	Senior Honors Thesis
AFRICAN 698	Directed Study
AFRICAN 699	Directed Study
AFROAMER 302	Undergraduate Studies in Afro-American History
AFROAMER/ DANCE/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas
AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa
A A E/ECON 477	Agricultural and Economic Development in Africa
ANTHRO 333	Prehistory of Africa
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
ECON/A A E 477	Agricultural and Economic Development in Africa
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective
GEOG 355	Africa, South of the Sahara
HISTORY 278	Africans in the Americas, 1492-1808
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
MUSIC/ AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas
POLI SCI 329	African Politics
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
Literature and Culture Electives:	**6**
AFRICAN/ HISTORY 106	Introduction to African History
AFRICAN/ HISTORY 129	Africa on the Global Stage
AFRICAN 201	Introduction to African Literature
AFRICAN 202	Introductory Topics in African Cultural Studies
AFRICAN 203	Introductory Topics in African Literature
AFRICAN 204	Introductory Topics in African Languages
AFRICAN 206	Introduction to African Linguistic Practices
AFRICAN/ FOLKLORE 210	The African Storyteller
AFRICAN 212	Introduction to African Popular Culture
AFRICAN/ FRENCH 216	Modern and Contemporary Francophone Topics
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal
AFRICAN 230	Introduction to Yoruba Life and Culture
AFRICAN 231	Introduction to Arabic Literary Culture
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction
AFROAMER/ GEN&WS 221	Introduction to Black Women's Studies
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture

GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies
GEN&WS/ AFROAMER 267	Artistic/Cultural Images of Black Women
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present
Total Credits	**21**

CAPSTONE COURSE

Code	Title	Credits
1 course from the following:		3
AFRICAN 403	Theories of African Cultural Studies	
AFRICAN 405	Topics in African Cultural Studies	
Total Credits		**3**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all AFRICAN and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [1]
- 15 credits in AFRICAN, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the African Cultural Studies Major in consultation with the African Cultural Studies undergraduate advisor. To earn Honors in the Major in African Cultural Studies students must satisfy both the requirements for the major (above) and the following additional requirements:

1. Earn a 3.300 overall university GPA
2. Earn 3.300 GPA in all AFRICAN and major courses
3. Complete 15 Honors credits in the major, in residence, that includes:
   a. 9 credits in courses numbered 200 and above
   b. A two-semester Senior Honors Thesis
   in AFRICAN 681 and AFRICAN 682, for a total of 6 credits.

FOOTNOTES

[1] Courses with Intermediate or Advanced level are considered upper level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Content) Recognize canonical authors and texts, historical forms, genres, and structures, and recognize aesthetic and cultural concerns in Africa and its diasporas.
2. (Content) Demonstrate their understanding of major theories, approaches, concepts, and current and classical research findings in African and diaspora literary and cultural studies.
3. (Content) Develop a level of proficiency in the different “ways of knowing” Africa and the diaspora through language, literatures, and cultures.
4. (Research Skills) Understand their own learning processes and possess the capacity to intentionally seek, evaluate, and learn from information, and recognize and reduce bias in their thinking.
5. (Research Skills) Effectively retrieve and comprehend primary sources in English and African languages, and secondary sources from a range of disciplines.
6. (Communication Skills) Develop or improve speaking, listening, writing, reading skills in an African language, and integrate these skills to communicate effectively.
7. (Communication Skills) Communicate effectively through essays, oral presentations, and discussion, so they may share their knowledge, wisdom, and values with others across social and professional settings.
8. (Communication Skills) Show knowledge of conventional rhetorical strategies, and integrate research by other authors while distinguishing between their own ideas and those of others.
9. (Communication Skills) Write and speak across disciplinary boundaries with regard to existing research about Africa and the diaspora in the humanities and social sciences.
10. (Analytical Skills) Discuss cultural texts from various theoretical and critical perspectives, formulate ideas and make connections between literary/cultural concepts and themes.
11. (Analytical Skills) Demonstrate command of the terminology and methodology of cultural studies, construct complex arguments, and use primary and secondary sources to support arguments.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
First semester AFRICAN language	5	Second semester AFRICAN language	5
AFRICAN 100	3	AFRICAN/ AFROAMER 233 or 297[1]	3
Communication Part A (complete during first year)	3	Quatitative Reasoning Part A (complete during first year)	4
Biological Science Breadth	3	Physical Science Breadth	3
	14		**15**

Second Year

Fall	Credits	Spring	Credits
AFRICAN 201, 202, 203, or 204[2]	3	One AFRICAN or related course at Intermediate level	3
Social Science Breadth	3	Quantitative Reasoning Part B	4
Science Breadth	3	Social Science Breadth	3
Continue language study for BA/BS OR Elective	3-4	Continue language study for BA OR Elective	3-4
Elective	3	Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
One AFRICAN or related course at Intermediate level	3	One AFRICAN or related course at Intermediate level	3
Social Science Breadth	3	Social Science Breadth	3
Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
One AFRICAN or related course at Intermediate level	3	AFRICAN 403 or 405	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1 Fulfills Ethnic Studies, Social Science OR Humanities requirement
2 Fulfills Communication Part B, Literature OR Humanities requirement

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the African Cultural Studies website. (https://african.wisc.edu/undergraduate-program/)

ADVISING

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Contemporary Arabic Literature and Culture* and *South Africa's Truth and Reconciliation Commission* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors also know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your academic challenges and difficulties
- Connecting with tutors
- Picking a study abroad program
- Practicing for interviews
- Talking about graduate school
- Proofreading résumés and cover letters

CAREERS

Humanities majors develop a wide variety of skills and talents, so they're prepared for just about any type of career or educational pursuit. Our coursework builds the critical thinking and communication skills needed to succeed in careers ranging from politics and education to business and law.

One of the more significant skills African Cultural Studies students develop is language acquisition. We offer a number of funding opportunities (https://languages.wisc.edu/scholarships/) to support language study, small class sizes with more opportunity for participation and cultural exchange, unique study abroad and international internship experiences, and instructors who are primarily native speakers with a keen interest in teaching. Plus, UW–Madison ranks #1 in the nation for students earning a bachelor's degree in language other than English!

In addition to the valuable language training and cultural competence an African Cultural Studies major gives you, consider what you learn in the classroom as well as what you do each day to be a successful student. The skills you develop are equally important in the workplace:

- critical reading, reflection, and analysis
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose

- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
- discussion and debate strategies
- proper research design and methodology
- broader knowledge of career and graduate-study options

Count on being well-prepared for an exciting and rewarding career!

Visit our website (https://african.wisc.edu/undergraduate-program/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

One of the most valuable resources for students interested in language study is the Language Institute and its website, Languages at UW–Madison (http://www.languages.wisc.edu/).

Learn more about scholarships (http://www.languages.wisc.edu/beyond/scholarships/) and other opportunities for funded language study.

ACS partners with the campus' African Studies Program, a federally-funded language and resource center for those doing research in Africa. See their offerings, grants and fellowships here (https://africa.wisc.edu/academics/acedemics-fellowships-and-awards/).

ARABIC LANGUAGE AND CULTURE, CERTIFICATE

The mission of the Department of African Cultural Studies is to research and teach the languages and expressive cultures of Africa and Africans around the world. Our faculty specialize in literature, music, film, critical applied linguistics, drama, diaspora studies, and new media.

In support of this mission, the certificate in Arabic Language and Culture offers students the opportunity to develop proficiency in Arabic, thereby complementing their studies in other areas across the university. The certificate fosters a thorough understanding of one of the most widely spoken languages (official language of over 20 countries) throughout northern Africa and the Middle East with a focus on Arabic language skills, advanced language courses in Arabic, and courses on the literature and culture of the region. The certificate also strengthens the skills of students who intend to pursue careers or graduate study in areas of the world where Arabic proficiency is useful.

HOW TO GET IN

HOW TO GET IN

DECLARING THE CERTIFICATE

Declaring the Arabic Language and Culture certificate is as easy as meeting with the advisor. Find the African Cultural Studies advisor on Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/64484).

REQUIREMENTS

REQUIREMENTS

The Arabic Language and Culture certificate requires 14 credits. Students must complete through the fourth unit (semester) of Arabic language. Students may earn the remaining credits with courses on culture, literature, and/or additional language study.

LANGUAGE THROUGH FOURTH SEMESTER

Code	Title	Credits
AFRICAN 323	Third Semester Arabic	4
or AFRICAN 341	Third Semester Summer Arabic	
AFRICAN 324	Fourth Semester Arabic	4
or AFRICAN 342	Fourth Semester Summer Arabic	

LANGUAGE/LITERATURE/CULTURE

Code	Title	Credits
AFRICAN 100	Introduction to African Cultural Expression	3
AFRICAN 201	Introduction to African Literature	3
AFRICAN 212	Introduction to African Popular Culture	3
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	3
AFRICAN 329	Fifth Semester Arabic	3
AFRICAN 330	Sixth Semester Arabic	3

AFRICAN 343	Fifth Semester Summer Arabic	4
AFRICAN 344	Sixth Semester Summer Arabic	4
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
AFRICAN 412	Contemporary African Fiction	3
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	3-4
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	3
AFRICAN/ COM ARTS/ L I S 444	Technology and Development in Africa and Beyond	3
AFRICAN/JEWISH/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ART HIST 510	Proseminar in Islamic Art and Architecture	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
CLASSICS/ HISTORY 110	The Ancient Mediterranean	4
CLASSICS 308	Sex and Violence in the Ancient Near East	3
CLASSICS 321	The Egyptians: History, Society, and Literature	3
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean	3
FRENCH/ GEN&WS 285	Rebellious Women from the Global South	3-4
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
INTL ST 266	Introduction to the Middle East	3
POLI SCI 320	Governments and Politics of the Middle East and North Africa	3-4
POLI SCI 323	Islam and World Politics	3-4
POLI SCI 370	Islam and Politics	3-4
POLI SCI 529	Arab-Israeli Conflict	3-4

RESIDENCE AND QUALITY OF WORK

- At least 7 credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate intermediate to advanced level proficiency in Modern Standard Arabic.
2. Compare and critique cultural, historical, and/or political realities in regions where Arabic language is influential to demonstrate intercultural competence and ethical reasoning.
3. Develop skills and abilities necessary to work in diverse career fields where Arabic language, cultural competence, and experience with international issues are sought after.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the African Cultural Studies (https://african.wisc.edu/undergraduate-program/) website (https://www.anthropology.wisc.edu/undergraduate-study/).

SUCCESSWORKS

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RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

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AMERICAN INDIAN AND INDIGENOUS STUDIES PROGRAM

The American Indian & Indigenous Studies Program is dedicated to fostering excellence in education, scholarship, leadership, and support for students, staff, and faculty at the university. While serving the entire university community, the program prioritizes assisting and supporting American Indian and Indigenous students in their academic pursuits. Beyond campus, the American Indian & Indigenous Studies Program provides consultation and services to local, state, and national organizations, strengthening connections between academia and Indigenous communities.

As a leader in American Indian and Indigenous studies, the program supports course development, interdisciplinary scholarship, and research that centers Indigenous knowledge and perspectives. Additionally, the American Indian & Indigenous Studies Program serves as a resource hub for individuals interested in Indigenous cultures, histories, and contemporary issues, offering guidance, events, and academic opportunities that promote deeper engagement with Indigenous communities.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- American Indian and Indigenous Studies, Certificate (p. 401)

AMERICAN INDIAN AND INDIGENOUS STUDIES, CERTIFICATE

A certificate in American Indian & Indigenous Studies is a way of giving recognition to students who have made a significant effort to learn about Native culture and the role of American Indians and Indigenous peoples in society. The certificate is an interdisciplinary program that delves into the histories, cultures, languages, and contemporary issues of American Indian and Indigenous peoples. Students can tailor their studies by selecting from a diverse array of courses across disciplines such as literature, anthropology, social work, environmental studies, and more.

Additionally, the program offers opportunities to learn Indigenous languages spoken in Wisconsin, including Ojibwe (Anishinaabemowin), Ho-Chunk (Hoocąk), Menominee (Omāēqnomenēweqnaesen), and Oneida (Ukwehuwehnéha).

To enhance the academic experience, the program hosts events like the annual Evening of Storytelling (https://am-indian-indigenous.wisc.edu/programs/storytelling/), the Elder-in Residence Program (https://am-indian-indigenous.wisc.edu/programs/eir/), and the AIIS Colloquium series (https://am-indian-indigenous.wisc.edu/colloquiums/), fostering community engagement and a deeper understanding of Indigenous narratives. Students pursuing the certificate may also be eligible for the American Indian & Indigenous Studies Scholarship (https://am-indian-indigenous.wisc.edu/scholarships/), a one-time, nonrenewable award supporting education-related expenses.

HOW TO GET IN

HOW TO GET IN

To begin the certificate declaration process, students must complete the Certificate Program Application which can be found on our Certificate Website (https://amindian.wisc.edu/certificate-program/). The certificate is open to all undergraduate students and those enrolled through the Special Student program, regardless of the college of enrollment.

REQUIREMENTS

REQUIREMENTS

15 total credits are required, as follows:

Code	Title	Credits
Introduction to American Indian Studies:		
AMER IND 100	Introduction to American Indian Studies	3
Complete four courses from at least two of the following areas:		**12**
History		
AMER IND/ HISTORY 190	Introduction to American Indian History	
Literature and Media		
AMER IND/ ENGL 172	Literatures of Native America	
AMER IND/ ENGL 246	Literature by American Indian Women	
AMER IND 325	American Indians in Film	
Anthropology		
AMER IND 250	Indians of Wisconsin	
AMER IND/ ANTHRO 314	Indians of North America	
AMER IND/ ANTHRO 354	Archaeology of Wisconsin	
AMER IND/ ANTHRO 355	Archaeology of Eastern North America	
AMER IND/ ANTHRO/ FOLKLORE/ GEN&WS 437	American Indian Women	

Language	
AMER IND 301	First Semester Ojibwe
AMER IND 302	Beginner Level Ojibwe Language II
AMER IND 401	Intermediate Level Ojibwe Language
AMER IND 402	Intermediate Level Ojibwe Language II
AMER IND 308	Beginner Level Hoocak/Ho-Chunk Language
AMER IND 309	Beginner Level Hoocak/Ho-Chunk Language II
AMER IND 405	Intermediate Level Hoocak/Ho-Chunk Language
AMER IND 310	Beginner Level Menominee Language
AMER IND 311	Beginner Level Menominee Language II
AMER IND 407	Intermediate Level Menominee Language
AMER IND 312	Beginner Level Oneida Language
AMER IND 313	Beginner Level Oneida Language II
AMER IND 411	Intermediate Level Oneida Language
AMER IND 303	Beginner Level Indigenous Language
AMER IND 304	Beginner Level Indigenous Language II
AMER IND 403	Intermediate Level Indigenous Language
AMER IND 404	Intermediate Level Indigenous Language II
AMER IND/ LINGUIS 371	Survey of North American Indian Languages
American Indian Social and Cultural Issues	
AMER IND/ AFROAMER/ ASIAN AM/ CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies
AMER IND 185	Indigenous Athletes and Sports
AMER IND 230	Indigenous Resistance and Activism
AMER IND/ CSCS 330	American Indian Communities: Sovereignty, Struggles, and Successes
AMER IND 425	Special Topics in American Indian Studies
AMER IND 450	Issues in American Indian Studies
AMER IND/ C&E SOC/ SOC 578	Poverty and Place
AMER IND/ SOC WORK 636	Social Work in American Indian Communities: The Indian Child Welfare Act
Environment	
AMER IND/ LAND ARC 106	Earth Partnership Indigenous Arts and Sciences
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany
Total Credits	**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses.
- 6 credits may be taken as pass/fail. All other credits must be taken for a letter grade.
- At least 8 certificate credits must be completed in residence.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply knowledge and methods of inquiry characteristic of this interdisciplinary field.
2. Apply knowledge of historical precedents to contemporary issues.
3. Demonstrate knowledge of the creativity and ethos contained within the diverse ways of knowing (Indigenous Knowledge Systems) among American Indian nations and communities.
4. Apply knowledge of the effects (ongoing) of oppression and racism that American Indians experience.
5. Demonstrate knowledge of the contributions of American Indian value-belief systems and practical knowledge across all fields of human endeavor.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please follow the process described on the American Indian & Indigenous Studies website (https://am-indian-indigenous.wisc.edu/certificate-program/). Talk with the academic advisor about courses and requirements: aiis@letsci.wisc.edu.

Students of American Indian & Indigenous Studies go on to successful careers in administration, advising, academics, advocacy, the arts, business, community outreach, consulting, education, government, health or health education, journalism, library science, literacy programming, lobbying, management, politics, publishing, school counseling, social work, research, and many more.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ANTHROPOLOGY

Anthropology is the comparative study of human diversity through time and across the world. Its scope spans the humanities, the social sciences, and the biological, physical, and evolutionary sciences. As a history of the human species, anthropology studies all human biological and behavioral variation from the earliest fossil records to the present; it includes the study of nonhuman primates as well. As a social science, anthropology aims at uncovering the patterns of past and present societies. As one of the humanities, anthropology seeks to understand the ways cultural meaning and political power have shaped human experience.

At the University of Wisconsin–Madison, anthropology consists of three subfields: archaeology – the investigation and analysis of the remains from past cultures, uncovered through excavation; biological anthropology – the study of human evolution and the roots of the biological and genetic diversity found among contemporary peoples; and sociocultural anthropology – the comparative study of society, politics, economy, and culture, whether in historical times or in our contemporary moment. UW–Madison also offers some classes in anthropological linguistics – the analysis of language and its place in social life. Comparative and empirical work – and fieldwork in particular – are the hallmarks of anthropology on this campus.

Thus, anthropology at UW–Madison is characterized by a comparative point of view, a focus on humans and societies in all their variation and similarity, and an effort to reveal and understand the complex but organized diversity that has shaped the human condition, past and present.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Anthropology, BA (p. 403)
- Anthropology, BS (p. 407)
- Archaeology, Certificate (p. 411)

ANTHROPOLOGY, BA

Anthropology is the comparative study of human diversity through time and across the world. Its scope spans the humanities, the social sciences, and the biological, physical, and evolutionary sciences. As a history of the human species, anthropology studies all human biological and behavioral variation, including nonhuman primates, from the earliest fossil records to the present. Anthropology uncovers the patterns of past and present societies and seeks to understand the ways cultural meaning and political power have shaped human experience.

At the University of Wisconsin–Madison, anthropology consists of three subfields:

- archaeology – the investigation and analysis of the remains from past cultures, uncovered through excavation;
- biological anthropology – the study of human evolution and the roots of the biological and genetic diversity found among contemporary peoples; and
- sociocultural anthropology – the comparative study of society, politics, economy, and culture, whether in historical times or today.

Students can also take classes in anthropological linguistics, the analysis of language and its place in social life. Comparative and empirical work—and fieldwork in particular—are the hallmarks of anthropology on this campus.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
ANTHRO 105	Principles of Biological Anthropology	3
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
Complete two:		6
ANTHRO 212	Principles of Archaeology	
ANTHRO 321	The Emergence of Human Culture	
ANTHRO 322	The Origins of Civilization	
ANTHRO 490	Undergraduate Seminar	3
ANTHRO electives		15
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ANTHRO and major courses
- 2.000 GPA in 15 upper-level major credits in residence[1]
- 15 credits in ANTHRO, taken on campus

[1] ANTHRO 300 and above are upper-level, with the exception of Quechua and Yucatec Maya language courses (ANTHRO/LACIS 361, ANTHRO/LACIS 362, ANTHRO/LACIS 363, ANTHRO/LACIS 364, ANTHRO/LACIS 376, ANTHRO/LACIS 377).

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Anthropology major advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the Anthropology major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all ANTHRO and major courses
- Complete the following coursework:

Code	Title	Credits
Biological Anthropology (complete one):		*3*
ANTHRO 105	Principles of Biological Anthropology	
ANTHRO 302	Hominoid Evolution	
ANTHRO 303	Human Skeletal Anatomy	
ANTHRO 304	Heredity, Environment and Human Populations	
ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
ANTHRO 411	The Evolution of the Genus, Homo	
ANTHRO 420	Introduction to Primatological Research	
ANTHRO 454	Study Abroad: Topics in Biological Anthropology	
ANTHRO 458	Primate Behavioral Ecology	
ANTHRO 603	Seminar in Evolutionary Theory	
ANTHRO 605	Seminar-Current Problems in Paleoanthropology	
ANTHRO/ PSYCH/ ZOOLOGY 619	Biology of Mind	
ANTHRO 668	Primate Conservation	
Cultural Anthropology (complete one):		*3*
ANTHRO 104	Cultural Anthropology and Human Diversity	
ANTHRO/ FOLKLORE/ INTL ST/ LINGUIS 211	Global Language Issues	
ANTHRO/ MED HIST 231	Introduction to Social Medicine	
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	
ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
ANTHRO 265	Introduction to Culture and Health	
ANTHRO/ AFRICAN/ AFROAMER/ GEOG/HISTORY/ POLI SCI/ SOC 277	Africa: An Introductory Survey	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ANTHRO/ AMER IND 314	Indians of North America	
ANTHRO 340	Music, Race, And Culture in Brazil	
ANTHRO/ RELIG ST 343	Anthropology of Religion	
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	
ANTHRO 348	Economic Anthropology	
ANTHRO 357	Introduction to the Anthropology of Japan	
ANTHRO/ LACIS 361	Elementary Quechua	
ANTHRO/ LACIS 362	Elementary Quechua	
ANTHRO/ LACIS 363	Intermediate Quechua	
ANTHRO/ LACIS 364	Advanced Quechua	
ANTHRO 365	Medical Anthropology	
ANTHRO/ LACIS 376	First Semester Yucatec Maya	
ANTHRO/ LACIS 377	Second Semester Yucatec Maya	
ANTHRO 424	Historical Anthropology	
ANTHRO/ AMER IND/ FOLKLORE/ GEN&WS 437	American Indian Women	
ANTHRO/ GEN&WS 443	Anthropology by Women	
ANTHRO 455	Study Abroad: Topics in Cultural Anthropology	
ANTHRO 456	Symbolic Anthropology	
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	
ANTHRO 477	Anthropology, Environment, and Development	
ANTHRO 545	Psychological Anthropology	
ANTHRO/ ED POL 570	Anthropology and Education	
LINGUIS 101	Human Language	
Archaeological Anthropology (complete one):		*3*
ANTHRO 102	Archaeology and the Prehistoric World	
ANTHRO 212	Principles of Archaeology	

ANTHRO/ ART HIST/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture	
ANTHRO 310	Topics in Archaeology	
ANTHRO 321	The Emergence of Human Culture	
ANTHRO 322	The Origins of Civilization	
ANTHRO 333	Prehistory of Africa	
ANTHRO 337	Lithics and Archaeology	
ANTHRO 352	Ancient Technology and Invention	
ANTHRO/ AMER IND 354	Archaeology of Wisconsin	
ANTHRO 370	Field Course in Archaeology	
ANTHRO 391	Bones for the Archaeologist	
ANTHRO 453	Study Abroad: Topics in Archaeology	
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	
ANTHRO 696	Archaeological Methods of Curation	
ANTHRO 490	Undergraduate Seminar	3
or a seminar chosen from:		
ANTHRO 603	Seminar in Evolutionary Theory	
ANTHRO 605	Seminar-Current Problems in Paleoanthropology	
ANTHRO 690	Problems in Anthropology	
ANTHRO 681 & ANTHRO 682	Senior Honors Thesis and Senior Honors Thesis	6
Total Credits		**18**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire specialized training in anthropological research.
2. Obtain comparative global knowledge of human diversity, material culture, culture history, and the evolution of people’s relationships with the physical, cultural, and natural world.
3. Gain an awareness of ethnographic, archaeological and bio# anthropological ethics practice and research.
4. Distinguish between empirical and speculative narratives and claims about human diversity past and present.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
ANTHRO 100-200 level course	3	ANTHRO 100-200 level course	3
Science Breadth	3	Ethnic Studies course in ANTHRO	3
Communication A	3	Literature Breadth	3
Quantitative Reasoning A	3	Physical Science Breadth	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
ANTHRO 200-300 level course	3	Communication B	3-4
Quantitative Reasoning B	4	ANTHRO 200-300 level course	3
Literature Breadth	3	Science Breadth	3
Elective	4	I/A COMP SCI, MATH, or STAT (if BS)	3
INTER-LS 210	1	Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
Declare the Major		ANTHRO 300-600 level elective	3
ANTHRO 300-600 level elective	3	ANTHRO 300-600 level elective	3

Humanities Breadth	3	Humanities Breadth	3
I/A COMP SCI, MATH, or STAT (if BS)	3	Electives	5
Elective	4		
	13		**14**

Fourth Year

Fall	Credits	Spring	Credits
ANTHRO 490	3	ANTHRO 300-600 level elective	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Anthropology website (https://www.anthropology.wisc.edu/undergraduate-study/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ANTHROPOLOGY, BS

Anthropology is the comparative study of human diversity through time and across the world. Its scope spans the humanities, the social sciences, and the biological, physical, and evolutionary sciences. As a history of the human species, anthropology studies all human biological and behavioral variation, including nonhuman primates, from the earliest fossil records to the present. Anthropology uncovers the patterns of past and present societies and seeks to understand the ways cultural meaning and political power have shaped human experience.

At the University of Wisconsin–Madison, anthropology consists of three subfields:

- archaeology – the investigation and analysis of the remains from past cultures, uncovered through excavation;
- biological anthropology – the study of human evolution and the roots of the biological and genetic diversity found among contemporary peoples; and
- sociocultural anthropology – the comparative study of society, politics, economy, and culture, whether in historical times or today.

Students can also take classes in anthropological linguistics, the analysis of language and its place in social life. Comparative and empirical work—and fieldwork in particular—are the hallmarks of anthropology on this campus.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
ANTHRO 105	Principles of Biological Anthropology	3
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
Complete two:		6
ANTHRO 212	Principles of Archaeology	
ANTHRO 321	The Emergence of Human Culture	
ANTHRO 322	The Origins of Civilization	
ANTHRO 490	Undergraduate Seminar	3
ANTHRO electives		15
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ANTHRO and major courses
- 2.000 GPA in 15 upper-level major credits in residence[1]
- 15 credits in ANTHRO, taken on campus

[1] ANTHRO 300 and above are upper-level, with the exception of Quechua and Yucatec Maya language courses (ANTHRO/LACIS 361, ANTHRO/LACIS 362, ANTHRO/LACIS 363, ANTHRO/LACIS 364, ANTHRO/LACIS 376, ANTHRO/LACIS 377).

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Anthropology major advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the Anthropology major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all ANTHRO and major courses
- Complete the following coursework:

Code	Title	Credits
Biological Anthropology (complete one):		3
ANTHRO 105	Principles of Biological Anthropology	
ANTHRO 302	Hominoid Evolution	
ANTHRO 303	Human Skeletal Anatomy	
ANTHRO 304	Heredity, Environment and Human Populations	

ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
ANTHRO 411	The Evolution of the Genus, Homo	
ANTHRO 420	Introduction to Primatological Research	
ANTHRO 454	Study Abroad: Topics in Biological Anthropology	
ANTHRO 458	Primate Behavioral Ecology	
ANTHRO 603	Seminar in Evolutionary Theory	
ANTHRO 605	Seminar-Current Problems in Paleoanthropology	
ANTHRO/ PSYCH/ ZOOLOGY 619	Biology of Mind	
ANTHRO 668	Primate Conservation	
Cultural Anthropology (complete one):		*3*
ANTHRO 104	Cultural Anthropology and Human Diversity	
ANTHRO/ FOLKLORE/ INTL ST/ LINGUIS 211	Global Language Issues	
ANTHRO/ MED HIST 231	Introduction to Social Medicine	
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	
ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
ANTHRO 265	Introduction to Culture and Health	
ANTHRO/ AFRICAN/ AFROAMER/ GEOG/HISTORY/ POLI SCI/ SOC 277	Africa: An Introductory Survey	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ANTHRO/ AMER IND 314	Indians of North America	
ANTHRO 340	Music, Race, And Culture in Brazil	
ANTHRO/ RELIG ST 343	Anthropology of Religion	
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	
ANTHRO 348	Economic Anthropology	
ANTHRO 357	Introduction to the Anthropology of Japan	
ANTHRO/ LACIS 361	Elementary Quechua	
ANTHRO/ LACIS 362	Elementary Quechua	
ANTHRO/ LACIS 363	Intermediate Quechua	
ANTHRO/ LACIS 364	Advanced Quechua	
ANTHRO 365	Medical Anthropology	
ANTHRO/ LACIS 376	First Semester Yucatec Maya	
ANTHRO/ LACIS 377	Second Semester Yucatec Maya	
ANTHRO 424	Historical Anthropology	
ANTHRO/ AMER IND/ FOLKLORE/ GEN&WS 437	American Indian Women	
ANTHRO/ GEN&WS 443	Anthropology by Women	
ANTHRO 455	Study Abroad: Topics in Cultural Anthropology	
ANTHRO 456	Symbolic Anthropology	
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	
ANTHRO 477	Anthropology, Environment, and Development	
ANTHRO 545	Psychological Anthropology	
ANTHRO/ ED POL 570	Anthropology and Education	
LINGUIS 101	Human Language	
Archaeological Anthropology (complete one):		*3*
ANTHRO 102	Archaeology and the Prehistoric World	
ANTHRO 212	Principles of Archaeology	
ANTHRO/ ART HIST/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture	
ANTHRO 310	Topics in Archaeology	
ANTHRO 321	The Emergence of Human Culture	
ANTHRO 322	The Origins of Civilization	
ANTHRO 333	Prehistory of Africa	
ANTHRO 337	Lithics and Archaeology	
ANTHRO 352	Ancient Technology and Invention	
ANTHRO/ AMER IND 354	Archaeology of Wisconsin	
ANTHRO 370	Field Course in Archaeology	
ANTHRO 391	Bones for the Archaeologist	
ANTHRO 453	Study Abroad: Topics in Archaeology	
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	
ANTHRO 696	Archaeological Methods of Curation	
ANTHRO 490	Undergraduate Seminar	3
or a seminar chosen from:		
ANTHRO 603	Seminar in Evolutionary Theory	

ANTHRO 605	Seminar-Current Problems in Paleoanthropology	
ANTHRO 690	Problems in Anthropology	
ANTHRO 681 & ANTHRO 682	Senior Honors Thesis and Senior Honors Thesis	6
Total Credits		**18**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire specialized training in anthropological research.
2. Obtain comparative global knowledge of human diversity, material culture, culture history, and the evolution of people's relationships with the physical, cultural, and natural world.
3. Gain an awareness of ethnographic, archaeological and bio# anthropological ethics practice and research.
4. Distinguish between empirical and speculative narratives and claims about human diversity past and present.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
ANTHRO 100-200 level course	3	ANTHRO 100-200 level course	3
Science Breadth	3	Ethnic Studies course in ANTHRO	3
Communication A	3	Literature Breadth	3
Quantitative Reasoning A	3	Physical Science Breadth	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
ANTHRO 200-300 level course	3	Communication B	3-4
Quantitative Reasoning B	4	ANTHRO 200-300 level course	3
Literature Breadth	3	Science Breadth	3
Elective	4	I/A COMP SCI, MATH, or STAT (if BS)	3
INTER-LS 210	1	Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
Declare the Major		ANTHRO 300-600 level elective	3
ANTHRO 300-600 level elective	3	ANTHRO 300-600 level elective	3
Humanities Breadth	3	Humanities Breadth	3
I/A COMP SCI, MATH, or STAT (if BS)	3	Electives	5
Elective	4		
	13		**14**

Fourth Year

Fall	Credits	Spring	Credits
ANTHRO 490	3	ANTHRO 300-600 level elective	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Anthropology website (https://www.anthropology.wisc.edu/undergraduate-study/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ARCHAEOLOGY, CERTIFICATE

The Archaeology certificate is designed to help students develop the knowledge and practical skills needed to analyze archaeological materials and participate in archaeological field research. Students who complete the certificate, along with a BA or BS degree from UW–Madison, improve their competitiveness in graduate school applications and are qualified for entry-level employment opportunities in archaeology. In addition to providing a strong intellectual foundation in archaeology and hands-on experience in fieldwork, the certificate provides an interdisciplinary link to courses in three or more departments, exposing students to diverse approaches to the study of our global human heritage.

Ancient history is a puzzle made up of innumerable fragments—pieces of bone, pottery, stone, and metal; remnants of architecture and monuments; residues of food; and traces of other things. Archaeology is the field of study that provides the tools to discover these fragments and piece them together to reconstruct a picture of the ancient world and to illuminate the stories of past peoples. An accurate understanding of the past is critical for developing a better present and future.

Through their participation in the Archaeology certificate program, students gain an appreciation of the diversity of human societies and a fuller understanding of the cultural processes that have resulted in the way that we live today. Students explore the origins of subsistence strategies, trade, technology, belief systems, and conflict that are relevant to understanding the human condition in our modern world.

HOW TO GET IN

HOW TO GET IN

To declare an archaeology certificate, should contact or visit the Department of Anthropology.

REQUIREMENTS

REQUIREMENTS

7 courses and 21 credits [1]

Credits must be distributed in at least three SUBJECTs, and must meet these requirements:

Introductory course

Code	Title	Credits
Complete one:		**3**
ANTHRO 102	Archaeology and the Prehistoric World	
ANTHRO 105	Principles of Biological Anthropology	
ANTHRO 212	Principles of Archaeology	
Total Credits		**3**

Area courses

Code	Title	Credits
Complete 6 credits from:		**6**
ANTHRO 310	Topics in Archaeology	
ANTHRO 321	The Emergence of Human Culture	
ANTHRO 322	The Origins of Civilization	
ANTHRO 333	Prehistory of Africa	
ANTHRO/ AMER IND 354	Archaeology of Wisconsin	
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 305	History of Islamic Art and Architecture	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
CLASSICS/ JEWISH 241	Introduction to Biblical Archaeology	
CLASSICS 320	The Greeks	
CLASSICS 322	The Romans	
HISTORY 303	A History of Greek Civilization	
HISTORY 307	A History of Rome	
Total Credits		**6**

Methods

Code	Title	Credits
Complete 6 credits from:		**6**
ANTHRO 302	Hominoid Evolution	
ANTHRO 303	Human Skeletal Anatomy	
ANTHRO 352	Ancient Technology and Invention	
ANTHRO 391	Bones for the Archaeologist	
ANTHRO 696	Archaeological Methods of Curation	
BOTANY 240	Plants and Humans	
ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany	

CLASSICS 430	Topics in Classical Archaeology
ENVIR ST/ ATM OCN/ GEOG/ GEOSCI 335	Climatic Environments of the Past
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems
ENVIR ST/ CIV ENGR/G L E/ GEOSCI 444	Practical Applications of GPS Surveying
GEOG/ GEOSCI 320	Geomorphology
GEOG 370	Introduction to Cartography
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology
GEOSCI 202	Introduction to Geologic Structures
GEOSCI/ GEOG 320	Geomorphology
GEOSCI/ GEOG 420	Glacial and Pleistocene Geology
GEOSCI 430	Sedimentology and Stratigraphy
GEOSCI/ CIV ENGR/ ENVIR ST/ G L E 444	Practical Applications of GPS Surveying
GEOSCI/ G L E 594	Introduction to Applied Geophysics
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology
Total Credits	**6**

Field course

Code	Title	Credits
ANTHRO 370	Field Course in Archaeology	3-6
Total Credits		**3-6**

Capstone

Code	Title	Credits
Choose from:		**3-4**
ANTHRO 352	Ancient Technology and Invention [2]	
ANTHRO 490	Undergraduate Seminar [3]	
Total Credits		**3-4**

[1] Courses taken Pass/Fail do not count.

[2] ANTHRO 352 can count either for a methods course **or** for the capstone course, but not both.

[3] ANTHRO 490 is a Topics course. In order to meet the capstone requirement, it must be on an archaeology topic.

RESIDENCE AND QUALITY OF WORK

- `2.000 GPA on all certificate-approved courses`
- At least 11 Certificate credits, taken in Residence

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATE

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. acquire specialized training in archaeological research, which may include: obtaining basic knowledge of and skills in observational methods and recording of information for a variety of lines of archaeological evidence, putting these abilities into practice in the classroom and outside of the classroom, developing research questions and the analytical skills necessary to address them, strengthening archaeological interpretations through critical thinking and reference to empirical evidence, gaining experience in considering a problem, synthesizing information from disparate sources, and evaluating contrasting arguments, being able to distinguish between empirical research and speculation, communicating archaeological findings through written and oral expression.
2. obtain comparative global knowledge of archaeology, material culture, and the evolution of people's relationships with the physical world.
3. become aware of the ethical practice of archaeology and heritage preservation.
4. synthesize information relevant to archaeological research across multiple disciplines.
5. gain an appreciation of cultural diversity through time and space.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please follow the process described on the Anthropology website (https://www.anthropology.wisc.edu/undergraduate-study/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes

into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ART HISTORY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Art History, BA (p. 413)
- Art History, BS (p. 420)
- Art History, Certificate (p. 426)

ART HISTORY, BA

The Art History major provides a foundation for answering key questions about what it means to be human as well as valuable skills for today's workplaces. A specialized focus on images, objects, and the built environment promotes critical and creative approaches to analysis, problem-solving, writing and visual communication in a variety of media. Interdisciplinary collaborations encourage aesthetic, historical, economic, and ethical questions in order to produce new knowledge, sophisticated readers, engaged writers, critical viewers, independent thinkers, and confident cultural citizens who are well prepared to thrive in global society.

Through innovative research, teaching, and outreach activities, the Department of Art History takes a leading role in promoting visual literacy, emphasizing careful attention to continuities and differences across human history and world cultures. Examining expressive forms, from artifacts to new media, we explore the ways in which art and visual and material culture are fully integrated into larger cultural histories.

Read more about the skills (https://arthistory.wisc.edu/undergraduate-program/#about-the-major) you develop through the Art History major.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of

Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

LANGUAGE

- Complete the fourth unit of a language other than English; **or**
- Complete the third unit of a language other than English **and** the second unit of an additional language other than English.

LEVEL REQUIREMENTS

Nine (9) courses in ART HIST as follows:

Intro-level ART HIST (two required)

Code	Title	Credits
ART HIST 102	Seeing Through Conspiracy Theories	
ART HIST 104	The Art of Diversity: Race and Representation in the Art and Visual Culture of the United States	
ART HIST 106	Have Brush, Will Travel: The Italian Renaissance from Florence to Rome	
ART HIST 107	The Body, Sex, & Health in Art	
ART HIST/ RELIG ST 115	Religion and Art	
ART HIST 130	Seeing Race: Anti-Racism and Visual Culture	
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories	
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	
ART HIST 205	Global Arts	
ART HIST 206	Survey of Photography: 1839 to 1989	
ART HIST 210	A History of the World in 20 Buildings	
ART HIST 227	The Modernist Revolution	
ART HIST/ ENVIR ST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture	
ART HIST/ AFROAMER 242	Introduction to Afro-American Art	
ART HIST/ ANTHRO/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture	

300-level ART HIST (three required)

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST 303	Topics in Art History	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 305	History of Islamic Art and Architecture	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	

ART HIST 318	Romanesque and Gothic Art and Architecture
ART HIST 320	Italian Renaissance Art
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy
ART HIST 335	Study Abroad in Ancient/Medieval Art
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art
ART HIST 337	Study Abroad in 18th-20th Century Art
ART HIST 338	Study Abroad in African/Asian Art
ART HIST 346	British Art and Society from the Eighteenth Century to the Present
ART HIST 350	19th Century Painting in Europe
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST 355	History of Photography
ART HIST 357	History of Wisconsin Architecture, 1800-present
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present
ART HIST 365	The Concept of Contemporary Art
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST/ ASIAN 379	Cities of Asia

400-level ART HIST (two required)

Code	Title	Credits
ART HIST 403	Topics in Art History	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 407	Topics in Nineteenth Century Art	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST 411	Topics in Asian Art	
ART HIST 412	Topics in African and African Diaspora Art History	
ART HIST 413	Art and Architecture in the Age of the Caliphs	
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	
ART HIST 420	Topics in Italian Renaissance Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 430	Topics in Visual Culture	
ART HIST 431	Topics in Theory	
ART HIST 435	Study Abroad in Ancient/Medieval Art	
ART HIST 436	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 437	Study Abroad in 18th-20th Century Art	
ART HIST 438	Study Abroad in African/Asian Art	
ART HIST 440	Art and Power in the Arab World	
ART HIST 457	History of American Vernacular Architecture and Landscapes	
ART HIST 468	Frank Lloyd Wright	
ART HIST 475	Japanese Ceramics and Allied Arts	
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	
ART HIST 480	Global Modernisms	
ART HIST 481	The Art of Our Time	
ART HIST 601	Introduction to Museum Studies I	
ART HIST 602	Introduction to Museum Studies II	
ART HIST 603	Curatorial Studies Colloquium	

500-level ART HIST (one required)

Code	Title	Credits
ART HIST 500	Proseminar: Special Topics in Art History	
ART HIST 505	Proseminar in Ancient Art	
ART HIST 506	Curatorial Studies Exhibition Practice	
ART HIST 510	Proseminar in Islamic Art and Architecture	
ART HIST 515	Proseminar in Medieval Art	
ART HIST 535	Proseminar in Northern European Painting	
ART HIST 555	Proseminar in 19th Century European Art	
ART HIST 556	Proseminar in 20th Century European Art	
ART HIST 563	Proseminar in Material Culture	
ART HIST 567	Proseminar in American Architecture	
ART HIST 575	Proseminar in Japanese Art	
ART HIST 576	Proseminar in Chinese Art	
ART HIST/ ASIAN 621	Mapping, Making, and Representing Colonial Spaces	

Electives to Meet Minimum Nine Courses Required

Code	Title	Credits
ART HIST 100-699		

CHRONOLOGICAL DISTRIBUTION

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Of the nine required ART HIST courses, at least one course from
 each area:
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Ancient to Medieval

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	

ART HIST 305	History of Islamic Art and Architecture [1]
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453
ART HIST 318	Romanesque and Gothic Art and Architecture
ART HIST 335	Study Abroad in Ancient/Medieval Art
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST/ ASIAN 379	Cities of Asia [1]
ART HIST 405	Cities and Sanctuaries of Ancient Greece
ART HIST 413	Art and Architecture in the Age of the Caliphs
ART HIST/ MEDIEVAL 415	Topics in Medieval Art
ART HIST/ ASIAN 428	Visual Cultures of India
ART HIST 435	Study Abroad in Ancient/Medieval Art
ART HIST 440	Art and Power in the Arab World [1]
ART HIST 475	Japanese Ceramics and Allied Arts [1]
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan

Early Modern (Circa 1400–Circa 1800)

Code	Title	Credits
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods [1]	
ART HIST 320	Italian Renaissance Art	
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present [1]	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 420	Topics in Italian Renaissance Art	
ART HIST 436	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 475	Japanese Ceramics and Allied Arts [1]	

Modern (Circa 1800–Circa 1945)

Code	Title	Credits
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods [1]	
ART HIST 337	Study Abroad in 18th-20th Century Art	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present [1]	
ART HIST 350	19th Century Painting in Europe	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST 355	History of Photography [1]	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present [1]	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 407	Topics in Nineteenth Century Art	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 437	Study Abroad in 18th-20th Century Art	
ART HIST 440	Art and Power in the Arab World	
ART HIST 457	History of American Vernacular Architecture and Landscapes [1]	
ART HIST 468	Frank Lloyd Wright	
ART HIST 475	Japanese Ceramics and Allied Arts [1]	
ART HIST 480	Global Modernisms	3

Contemporary (Post 1945)

Code	Title	Credits
ART HIST 337	Study Abroad in 18th-20th Century Art	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present [1]	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST 355	History of Photography [1]	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present [1]	
ART HIST 365	The Concept of Contemporary Art	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 437	Study Abroad in 18th-20th Century Art	

ART HIST 440	Art and Power in the Arab World
ART HIST 457	History of American Vernacular Architecture and Landscapes [1]
ART HIST 468	Frank Lloyd Wright
ART HIST 475	Japanese Ceramics and Allied Arts [1]
ART HIST 480	Global Modernisms
ART HIST 481	The Art of Our Time

GEOGRAPHIC DISTRIBUTION

Of the nine required ART HIST courses, at least one course from **three** of these **five** areas:

Cross-Cultural/Diaspora

Code	Title	Credits
ART HIST/ AFROAMER 242	Introduction to Afro-American Art	
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 412	Topics in African and African Diaspora Art History [1]	
ART HIST 413	Art and Architecture in the Age of the Caliphs [1]	
ART HIST 481	The Art of Our Time	

Africa/Middle East

Code	Title	Credits
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 338	Study Abroad in African/Asian Art	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia	
ART HIST 412	Topics in African and African Diaspora Art History [1]	
ART HIST 413	Art and Architecture in the Age of the Caliphs [1]	
ART HIST 440	Art and Power in the Arab World [1]	
ART HIST 480	Global Modernisms	

Asia

Code	Title	Credits
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ART HIST 338	Study Abroad in African/Asian Art	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 411	Topics in Asian Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 475	Japanese Ceramics and Allied Arts	
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	
ART HIST 480	Global Modernisms	

Europe

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	
ART HIST 318	Romanesque and Gothic Art and Architecture	
ART HIST 320	Italian Renaissance Art	
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	
ART HIST 350	19th Century Painting in Europe	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST 355	History of Photography [1]	
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	
ART HIST 365	The Concept of Contemporary Art	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 407	Topics in Nineteenth Century Art	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	
ART HIST 420	Topics in Italian Renaissance Art	
ART HIST 481	The Art of Our Time	

The Americas

Code	Title	Credits
ART HIST 355	History of Photography [1]	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present	
ART HIST 365	The Concept of Contemporary Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST 457	History of American Vernacular Architecture and Landscapes	

ART HIST 468	Frank Lloyd Wright
ART HIST 480	Global Modernisms
ART HIST 481	The Art of Our Time

THEORY AND METHOD DISTRIBUTION

Of the nine required ART HIST courses, at least one course from:

Code	Title	Credits
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	
ART HIST 355	History of Photography	
ART HIST 365	The Concept of Contemporary Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 430	Topics in Visual Culture	
ART HIST 431	Topics in Theory	
ART HIST 481	The Art of Our Time	
ART HIST 601	Introduction to Museum Studies I	
ART HIST 602	Introduction to Museum Studies II	
ART HIST 603	Curatorial Studies Colloquium	
ART HIST/ ASIAN 621	Mapping, Making, and Representing Colonial Spaces	
ART HIST/ HISTORY/ JOURN/L I S 650	History of Books and Print Culture in Europe and North America	

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in ART HIST and major courses
- 2.000 GPA on 15 upper-level major credits in residence[2]
- 15 credits in ART HIST taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Art History undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all ART HIST courses
- Complete a two-semester Senior Honors Thesis in ART HIST 681 and ART HIST 682, for a total of 6 credits.
- Present an oral report on work in an undergraduate Honors colloquium during the senior year

FOOTNOTES

[1] Course is accepted in one or more Chronological or Geographical areas, but will only apply to one of of those areas. Students with questions should consult the academic advisor for this program.

[2] ART HIST courses numbered 300-699 are considered upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Skills in visual analysis, including description, comparison and formal analysis.
2. Proficiency in understanding images, buildings and objects in ways that consider theoretical, historical, and /or cultural contexts.
3. Ability to articulate thoughts and ideas clearly and effectively in written, oral, and/or visual communication, and to cultivate active, critical listening.
4. Ability to understand and critically reflect upon scholarly arguments, based on the evidence presented.
5. Ability to locate, assess and enlist research resources in physical and digital forms.
6. Ability to formulate a persuasive and coherent argument based on visual and textual evidence.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	4
Quantitative Reasoning A	3	Science Breadth	3
Foreign Language	4	Intro level Art History course	3-4
Intro level Art History course	3-4	Foreign Language	4
	14		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	4	Communication B	4
ART HIST 300-level	4	ART HIST 300-level	3-4
Social Science Breadth	4	ART HIST 400-level	3-4
Biological Science Breadth	3	Social Science Breadth	3
INTER-LS 210	1		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)		ART HIST Theory & Method course	3
ART HIST 400-level course	3	Science Breadth	3
Physical Science Breadth	3	ART HIST elective	3
Social Science Breadth	3	Social Science Breadth	3
Electives	6	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
ART HIST 500-level course	3	ART HIST elective	3
Electives	6	Literature Breadth	3
Senior Thesis	3	Senior Thesis in major	3
Literature Breadth	3	Elective	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Art History website (https://arthistory.wisc.edu/undergraduate-program/#advising).

Letters & Science students have unique perspectives, knowledge, and skills that make them highly desirable to today's employers. Art History students have career advising and mentoring from the department's academic advisor and the Director of Undergraduate Studies, plus networking and advice from our faculty and alumni. Talk with any of your Art History professors and with our advising team about your questions: career paths and internships; preparation for the job search; or applying to graduate school: arthistory.wisc.edu/undergraduate-program/#advising (https://arthistory.wisc.edu/undergraduate-program/#advising)

We encourage students in the major to seek information from Art History faculty and advisors about career paths and internships; preparation for the job search; and applying to graduate school. Both the department and L&S also provide networking opportunities with professionals in the field (employers and alumni).

Honors in the Major is a strong choice for students who want more advanced study in art history, especially those interested in continuing in art history graduate studies or a career directly in the field of art history (e.g., curator, gallerist, etc.). Review the Honors in the Major requirements (https://guide.wisc.edu/undergraduate/letters-science/art-history/art-history-ba/#requirementstext), including the minimum grade-point average in all Art History courses, and talk with the academic advisor about how this fits your academic and career plan.

STUDY ABROAD

We strongly encourage a study-abroad program as part of your Art History learning. You gain firsthand experience of other cultures and languages and have the opportunity to study major works of art. Credit for appropriate coursework may be applied toward the major; see the Study Abroad website (https://studyabroad.wisc.edu/academics/).

OTHER RESOURCES

Art History professional development webpage (https://arthistory.wisc.edu/undergraduate-program/#professional-development)

Art History majors discuss the value of the degree (https://arthistory.wisc.edu/undergraduate-program/#testimonials)

Links to relevant career preparation information:

Careers by Major—Art & Art History (https://www.utm.utoronto.ca/careers/careers-by-major-art-art-history/) (University of Toronto)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The Department of Art History promotes an understanding of art, architecture, objects, and ideas worthy of close visual analysis to be local, hemispheric, transnational, and international, and existing both within and outside of traditional institutions of display. In guiding our students to develop skills in visual analysis, close reading, historical contextualization, and communication and interpretation through writing about art, conducting research on objects in our museum collections, and organizing exhibitions, our department is committed to building an understanding of how humans perceive, create, and inhabit the world. Opportunities to work with and present collections to the public, both at the Chazen Museum and through internships at other Wisconsin institutions, afford our students the chance to connect with diverse audiences beyond the borders of campus.

ART HISTORY, BS

The Art History major provides a foundation for answering key questions about what it means to be human as well as valuable skills for today's workplaces. A specialized focus on images, objects, and the built environment promotes critical and creative approaches to analysis, problem-solving, writing and visual communication in a variety of media. Interdisciplinary collaborations encourage aesthetic, historical, economic, and ethical questions in order to produce new knowledge, sophisticated readers, engaged writers, critical viewers, independent thinkers, and confident cultural citizens who are well prepared to thrive in global society.

Through innovative research, teaching, and outreach activities, the Department of Art History takes a leading role in promoting visual literacy, emphasizing careful attention to continuities and differences across human history and world cultures. Examining expressive forms, from artifacts to new media, we explore the ways in which art and visual and material culture are fully integrated into larger cultural histories.

Read more about the skills (https://arthistory.wisc.edu/undergraduate-program/#about-the-major) you develop through the Art History major.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.

Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

LANGUAGE

- Complete the fourth unit of a language other than English; **or**
- Complete the third unit of a language other than English **and** the second unit of an additional language other than English.

LEVEL REQUIREMENTS

Nine (9) courses in ART HIST as follows:

Intro-level ART HIST (two required)

Code	Title	Credits
ART HIST 102	Seeing Through Conspiracy Theories	
ART HIST 104	The Art of Diversity: Race and Representation in the Art and Visual Culture of the United States	
ART HIST 106	Have Brush, Will Travel: The Italian Renaissance from Florence to Rome	
ART HIST 107	The Body, Sex, & Health in Art	
ART HIST/ RELIG ST 115	Religion and Art	
ART HIST 130	Seeing Race: Anti-Racism and Visual Culture	
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories	
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	
ART HIST 205	Global Arts	
ART HIST 206	Survey of Photography: 1839 to 1989	
ART HIST 210	A History of the World in 20 Buildings	
ART HIST 227	The Modernist Revolution	
ART HIST/ ENVIR ST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture	
ART HIST/ AFROAMER 242	Introduction to Afro-American Art	
ART HIST/ ANTHRO/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture	

300-level ART HIST (three required)

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST 303	Topics in Art History	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 305	History of Islamic Art and Architecture	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	
ART HIST 318	Romanesque and Gothic Art and Architecture	
ART HIST 320	Italian Renaissance Art	
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	
ART HIST 335	Study Abroad in Ancient/Medieval Art	
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 337	Study Abroad in 18th-20th Century Art	
ART HIST 338	Study Abroad in African/Asian Art	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	
ART HIST 350	19th Century Painting in Europe	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	
ART HIST 355	History of Photography	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	

ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present
ART HIST 365	The Concept of Contemporary Art
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST/ ASIAN 379	Cities of Asia

400-level ART HIST (two required)

Code	Title	Credits
ART HIST 403	Topics in Art History	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 407	Topics in Nineteenth Century Art	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST 411	Topics in Asian Art	
ART HIST 412	Topics in African and African Diaspora Art History	
ART HIST 413	Art and Architecture in the Age of the Caliphs	
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	
ART HIST 420	Topics in Italian Renaissance Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 430	Topics in Visual Culture	
ART HIST 431	Topics in Theory	
ART HIST 435	Study Abroad in Ancient/Medieval Art	
ART HIST 436	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 437	Study Abroad in 18th-20th Century Art	
ART HIST 438	Study Abroad in African/Asian Art	
ART HIST 440	Art and Power in the Arab World	
ART HIST 457	History of American Vernacular Architecture and Landscapes	
ART HIST 468	Frank Lloyd Wright	
ART HIST 475	Japanese Ceramics and Allied Arts	
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	
ART HIST 480	Global Modernisms	
ART HIST 481	The Art of Our Time	
ART HIST 601	Introduction to Museum Studies I	
ART HIST 602	Introduction to Museum Studies II	
ART HIST 603	Curatorial Studies Colloquium	

500-level ART HIST (one required)

Code	Title	Credits
ART HIST 500	Proseminar: Special Topics in Art History	
ART HIST 505	Proseminar in Ancient Art	
ART HIST 506	Curatorial Studies Exhibition Practice	
ART HIST 510	Proseminar in Islamic Art and Architecture	
ART HIST 515	Proseminar in Medieval Art	
ART HIST 535	Proseminar in Northern European Painting	
ART HIST 555	Proseminar in 19th Century European Art	
ART HIST 556	Proseminar in 20th Century European Art	
ART HIST 563	Proseminar in Material Culture	
ART HIST 567	Proseminar in American Architecture	
ART HIST 575	Proseminar in Japanese Art	
ART HIST 576	Proseminar in Chinese Art	
ART HIST/ ASIAN 621	Mapping, Making, and Representing Colonial Spaces	

Electives to Meet Minimum Nine Courses Required

Code	Title	Credits
ART HIST 100-699		

CHRONOLOGICAL DISTRIBUTION

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Of the nine required ART HIST courses, at least one course from
 each area:
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Ancient to Medieval

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	
ART HIST 318	Romanesque and Gothic Art and Architecture	
ART HIST 335	Study Abroad in Ancient/Medieval Art	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 413	Art and Architecture in the Age of the Caliphs	
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	
ART HIST/ ASIAN 428	Visual Cultures of India	

ART HIST 435	Study Abroad in Ancient/Medieval Art	
ART HIST 440	Art and Power in the Arab World [1]	
ART HIST 475	Japanese Ceramics and Allied Arts [1]	
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	

Early Modern (Circa 1400–Circa 1800)

Code	Title	Credits
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods [1]	
ART HIST 320	Italian Renaissance Art	
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present [1]	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 420	Topics in Italian Renaissance Art	
ART HIST 436	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 475	Japanese Ceramics and Allied Arts [1]	

Modern (Circa 1800–Circa 1945)

Code	Title	Credits
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods [1]	
ART HIST 337	Study Abroad in 18th-20th Century Art	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present [1]	
ART HIST 350	19th Century Painting in Europe	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST 355	History of Photography [1]	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present [1]	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 407	Topics in Nineteenth Century Art	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 437	Study Abroad in 18th-20th Century Art	
ART HIST 440	Art and Power in the Arab World	
ART HIST 457	History of American Vernacular Architecture and Landscapes [1]	
ART HIST 468	Frank Lloyd Wright	
ART HIST 475	Japanese Ceramics and Allied Arts [1]	
ART HIST 480	Global Modernisms	3

Contemporary (Post 1945)

Code	Title	Credits
ART HIST 337	Study Abroad in 18th-20th Century Art	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present [1]	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST 355	History of Photography [1]	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present [1]	
ART HIST 365	The Concept of Contemporary Art	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 437	Study Abroad in 18th-20th Century Art	
ART HIST 440	Art and Power in the Arab World	
ART HIST 457	History of American Vernacular Architecture and Landscapes [1]	
ART HIST 468	Frank Lloyd Wright	
ART HIST 475	Japanese Ceramics and Allied Arts [1]	
ART HIST 480	Global Modernisms	
ART HIST 481	The Art of Our Time	

GEOGRAPHIC DISTRIBUTION

Of the nine required ART HIST courses, at least one course from **three** of these **five** areas:

Cross-Cultural/Diaspora

Code	Title	Credits
ART HIST/ AFROAMER 242	Introduction to Afro-American Art	
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia [1]	

ART HIST 412	Topics in African and African Diaspora Art History [1]
ART HIST 413	Art and Architecture in the Age of the Caliphs [1]
ART HIST 481	The Art of Our Time

Africa/Middle East

Code	Title	Credits
ART HIST 305	History of Islamic Art and Architecture [1]	
ART HIST 338	Study Abroad in African/Asian Art	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST/ ASIAN 379	Cities of Asia	
ART HIST 412	Topics in African and African Diaspora Art History [1]	
ART HIST 413	Art and Architecture in the Age of the Caliphs [1]	
ART HIST 440	Art and Power in the Arab World [1]	
ART HIST 480	Global Modernisms	

Asia

Code	Title	Credits
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ART HIST 338	Study Abroad in African/Asian Art	
ART HIST/ ASIAN 379	Cities of Asia [1]	
ART HIST 411	Topics in Asian Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 475	Japanese Ceramics and Allied Arts	
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	
ART HIST 480	Global Modernisms	

Europe

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	
ART HIST 318	Romanesque and Gothic Art and Architecture	
ART HIST 320	Italian Renaissance Art	
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	
ART HIST 350	19th Century Painting in Europe	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present [1]	
ART HIST 355	History of Photography [1]	
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	
ART HIST 365	The Concept of Contemporary Art	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 407	Topics in Nineteenth Century Art	
ART HIST 408	Topics in Twentieth-Century Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	
ART HIST 420	Topics in Italian Renaissance Art	
ART HIST 481	The Art of Our Time	

The Americas

Code	Title	Credits
ART HIST 355	History of Photography [1]	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present	
ART HIST 365	The Concept of Contemporary Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST 457	History of American Vernacular Architecture and Landscapes	
ART HIST 468	Frank Lloyd Wright	
ART HIST 480	Global Modernisms	
ART HIST 481	The Art of Our Time	

THEORY AND METHOD DISTRIBUTION

Of the nine required ART HIST courses, at least one course from:

Code	Title	Credits
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	
ART HIST 355	History of Photography	
ART HIST 365	The Concept of Contemporary Art	
ART HIST 409	Topics in Contemporary Art	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 430	Topics in Visual Culture	
ART HIST 431	Topics in Theory	
ART HIST 481	The Art of Our Time	
ART HIST 601	Introduction to Museum Studies I	
ART HIST 602	Introduction to Museum Studies II	
ART HIST 603	Curatorial Studies Colloquium	

ART HIST/ ASIAN 621	Mapping, Making, and Representing Colonial Spaces
ART HIST/ HISTORY/ JOURN/L I S 650	History of Books and Print Culture in Europe and North America

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in ART HIST and major courses
- 2.000 GPA on 15 upper-level major credits in residence[2]
- 15 credits in ART HIST taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Art History undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all ART HIST courses
- Complete a two-semester Senior Honors Thesis in ART HIST 681 and ART HIST 682, for a total of 6 credits.
- Present an oral report on work in an undergraduate Honors colloquium during the senior year

FOOTNOTES

[1] Course is accepted in one or more Chronological or Geographical areas, but will only apply to one of of those areas. Students with questions should consult the academic advisor for this program.

[2] ART HIST courses numbered 300-699 are considered upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Skills in visual analysis, including description, comparison and formal analysis.
2. Proficiency in understanding images, buildings and objects in ways that consider theoretical, historical, and /or cultural contexts.
3. Ability to articulate thoughts and ideas clearly and effectively in written, oral, and/or visual communication, and to cultivate active, critical listening.
4. Ability to understand and critically reflect upon scholarly arguments, based on the evidence presented.
5. Ability to locate, assess and enlist research resources in physical and digital forms.
6. Ability to formulate a persuasive and coherent argument based on visual and textual evidence.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	4
Quantitative Reasoning A	3	Science Breadth	3
Foreign Language	4	Intro level Art History course	3-4
Intro level Art History course	3-4	Foreign Language	4
	14		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	4	Communication B	4
ART HIST 300-level	4	ART HIST 300-level	3-4
Social Science Breadth	4	ART HIST 400-level	3-4
Biological Science Breadth	3	Social Science Breadth	3
INTER-LS 210	1		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)		ART HIST Theory & Method course	3

ART HIST 400-level course	3 Science Breadth	3
Physical Science Breadth	3 ART HIST elective	3
Social Science Breadth	3 Social Science Breadth	3
Electives	6 Elective	3
	15	**15**

Fourth Year

Fall	Credits	Spring	Credits
ART HIST 500-level course		3 ART HIST elective	3
Electives		6 Literature Breadth	3
Senior Thesis		3 Senior Thesis in major	3
Literature Breadth		3 Elective	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Art History website (https://arthistory.wisc.edu/undergraduate-program/#advising).

Letters & Science students have unique perspectives, knowledge, and skills that make them highly desirable to today's employers. Art History students have career advising and mentoring from the department's academic advisor and the Director of Undergraduate Studies, plus networking and advice from our faculty and alumni. Talk with any of your Art History professors and with our advising team about your questions: career paths and internships; preparation for the job search; or applying to graduate school: arthistory.wisc.edu/undergraduate-program/#advising (https://arthistory.wisc.edu/undergraduate-program/#advising)

We encourage students in the major to seek information from Art History faculty and advisors about career paths and internships; preparation for the job search; and applying to graduate school. Both the department and L&S also provide networking opportunities with professionals in the field (employers and alumni).

Honors in the Major is a strong choice for students who want more advanced study in art history, especially those interested in continuing in art history graduate studies or a career directly in the field of art history (e.g., curator, gallerist, etc.). Review the Honors in the Major requirements (https://guide.wisc.edu/undergraduate/letters-science/art-history/art-history-ba/#requirementstext), including the minimum grade-point average in all Art History courses, and talk with the academic advisor about how this fits your academic and career plan.

STUDY ABROAD

We strongly encourage a study-abroad program as part of your Art History learning. You gain firsthand experience of other cultures and languages and have the opportunity to study major works of art. Credit for appropriate coursework may be applied toward the major; see the Study Abroad website (https://studyabroad.wisc.edu/academics/).

OTHER RESOURCES

Art History professional development webpage (https://arthistory.wisc.edu/undergraduate-program/#professional-development)

Art History majors discuss the value of the degree (https://arthistory.wisc.edu/undergraduate-program/#testimonials)

Links to relevant career preparation information:

Careers by Major—Art & Art History (https://www.utm.utoronto.ca/careers/careers-by-major-art-art-history/) (University of Toronto)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The Department of Art History promotes an understanding of art, architecture, objects, and ideas worthy of close visual analysis to be local, hemispheric, transnational, and international, and existing both within and outside of traditional institutions of display. In guiding our students to develop skills in visual analysis, close reading, historical contextualization, and communication and interpretation through writing about art, conducting research on objects in our museum collections, and organizing exhibitions, our department is committed to building an understanding of how humans perceive, create, and inhabit the world. Opportunities to work with and present collections to the public, both at the Chazen Museum and through internships at other Wisconsin institutions, afford our students the chance to connect with diverse audiences beyond the borders of campus.

ART HISTORY, CERTIFICATE

The Art History Certificate is designed to meet twenty-first-century needs by promoting visual literacy in an increasingly visual world. Our classes teach critical and creative approaches to analysis, problem-solving, writing, and visual communication using a variety of artistic media, including painting, sculpture, architecture, photography, prints, ephemera, and the decorative arts.

Students earning the certificate will hone skills in visual analysis and interpretation that make them more competitive in a variety of fields, given the need for people who can think critically about visual cultural and visual storytelling.

HOW TO GET IN

HOW TO GET IN

Students are eligible to declare the certificate at any point in their studies. We encourage students to declare as early as possible in order to plan their required coursework. Students should contact the undergraduate advisor to declare the certificate.

Students thinking about declaring the Art History Certificate as well as the Material Culture Certificate: Undergraduate students may request permission to complete both the Art History Certificate and the Material Culture Certificate but ***only one course*** can overlap between the two certificates. Please consult with the undergraduate advisor with any questions.

Students declared in the Art History major may not declare the Certificate.

REQUIREMENTS

Four courses and 12 credits are required, as follows:

INTERMEDIATE SURVEY COURSE

Code	Title	Credits
Complete one:		
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	3-4
ART HIST 301	Myths, Loves, and Lives in Greek Vases	3-4
ART HIST 302	Greek Sculpture	3-4
ART HIST 303	Topics in Art History	3
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	3-4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	3
ART HIST 318	Romanesque and Gothic Art and Architecture	3-4
ART HIST 320	Italian Renaissance Art	3-4
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	3-4
ART HIST 335	Study Abroad in Ancient/Medieval Art	1-6
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art	1-6
ART HIST 337	Study Abroad in 18th-20th Century Art	1-6
ART HIST 338	Study Abroad in African/Asian Art	1-6
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	3-4
ART HIST 350	19th Century Painting in Europe	3-4
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	3-4
ART HIST 355	History of Photography	3
ART HIST 357	History of Wisconsin Architecture, 1800-present	3
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	3
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present	3-4
ART HIST 365	The Concept of Contemporary Art	3-4
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ART HIST/ ASIAN 379	Cities of Asia	3

AREA FOCUS

Code	Title	Credits
Complete one:		
ART HIST 403	Topics in Art History	3
ART HIST 405	Cities and Sanctuaries of Ancient Greece	3
ART HIST 407	Topics in Nineteenth Century Art	3-4
ART HIST 408	Topics in Twentieth-Century Art	3-4
ART HIST 409	Topics in Contemporary Art	3
ART HIST 411	Topics in Asian Art	3-4
ART HIST 412	Topics in African and African Diaspora Art History	3-4
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	3
ART HIST 420	Topics in Italian Renaissance Art	3
ART HIST/ ASIAN 428	Visual Cultures of India	3
ART HIST 430	Topics in Visual Culture	3
ART HIST 431	Topics in Theory	3
ART HIST 435	Study Abroad in Ancient/Medieval Art	1-6
ART HIST 436	Study Abroad in Renaissance/ Baroque/Northern Art	1-6
ART HIST 437	Study Abroad in 18th-20th Century Art	1-6
ART HIST 438	Study Abroad in African/Asian Art	1-6
ART HIST 440	Art and Power in the Arab World	3
ART HIST 457	History of American Vernacular Architecture and Landscapes	3

ART HIST 468	Frank Lloyd Wright	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ART HIST 600	Special Topics in Art History	3
ART HIST 601	Introduction to Museum Studies I	3
ART HIST 602	Introduction to Museum Studies II	3
ART HIST 603	Curatorial Studies Colloquium	3
ART HIST/ASIAN 621	Mapping, Making, and Representing Colonial Spaces	3
ART HIST/HISTORY/ JOURN/L I S 650	History of Books and Print Culture in Europe and North America	3

PROSEMINAR

Code	Title	Credits
Complete one:		
ART HIST 500	Proseminar: Special Topics in Art History	3
ART HIST 505	Proseminar in Ancient Art	3
ART HIST 506	Curatorial Studies Exhibition Practice	3
ART HIST 510	Proseminar in Islamic Art and Architecture	3
ART HIST 515	Proseminar in Medieval Art	3
ART HIST 535	Proseminar in Northern European Painting	3
ART HIST 555	Proseminar in 19th Century European Art	3
ART HIST 556	Proseminar in 20th Century European Art	3
ART HIST 567	Proseminar in American Architecture	3
ART HIST 575	Proseminar in Japanese Art	3
ART HIST 576	Proseminar in Chinese Art	3

ELECTIVES

To attain the minimum 4 courses and 12 credits, complete any course listed above not needed for the area requirements, or any of the courses in the list below. AP credits may count toward the "Electives" course requirement for the Art History Certificate.

Code	Title	Credits
ART HIST 102	Seeing Through Conspiracy Theories	3
ART HIST 103	Topics in Art History	3-4
ART HIST 104	The Art of Diversity: Race and Representation in the Art and Visual Culture of the United States	3-4
ART HIST 105	Introductory Topics in Art History	3
ART HIST 106	Have Brush, Will Travel: The Italian Renaissance from Florence to Rome	3
ART HIST 107	The Body, Sex, & Health in Art	3
ART HIST 130	Seeing Race: Anti-Racism and Visual Culture	3
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	4
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	4
ART HIST 205	Global Arts	4
ART HIST 206	Survey of Photography: 1839 to 1989	3-4
ART HIST 210	A History of the World in 20 Buildings	3
ART HIST 227	The Modernist Revolution	4
ART HIST/ENVIR ST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture	3
ART HIST/ AFROAMER 242	Introduction to Afro-American Art	3
ART HIST 681	Senior Honors Thesis	3
ART HIST 682	Senior Honors Thesis	3
ART HIST 691	Senior Thesis	3-6
ART HIST 692	Senior Thesis	3-6
ART HIST 697	Undergraduate Curatorial Studies Internship (Directed Study)	1-3
ART HIST 698	Directed Study	2-3
ART HIST 699	Directed Study	1-3

RESIDENCE AND QUALITY OF WORK

- At least 6 Certificate credits must be earned in residence
- A 2.000 GPA is required in all courses approved for the certificate

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Describe objects and images accurately; identify different stylistic characteristics and media; recall artists and art movements; analyze images.
2. Interpret art in context of deeper historical knowledge of specific cultures, acquire critical reading skills, integrate research.
3. Apply critical reading and writing skills, produce original interpretations, make plausible arguments based on visual and historical evidence, acquire sophisticated research abilities; formal oral presentation skills.

ADVISING AND CAREERS

ADVISING AND CAREERS

Advising questions may be directed to the undergraduate advisor, Teddy Kaul (ejkaul@wisc.edu), or the director of undergraduate studies in the department.

Each year, the department hosts an Art History Majors and Career Fair for students in the Art History major, certificate, and anyone interested in the field. We discuss Art History courses and internships on campus and in the community. We invite alumni to speak about their career paths. Our director of undergraduate studies hosts a "How to Apply to Graduate School" workshop. We work with SuccessWorks (https://careers.ls.wisc.edu/) to organize events for our students.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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ASIAN AMERICAN STUDIES PROGRAM

The Asian American Studies Program is an interdisciplinary program that focuses on the scholarship and experiences of Americans, Pacific Islanders, and immigrants to the United States from Asian heritage groups. The program sheds light on Asian American experiences and concerns, both historically and in contemporary society. The certificate in Asian American Studies provides students with an opportunity to develop a sustained intellectual focus on Asian American racial formation, communities, and culture. The program also serves as a teaching and resource center not only for Asian Americans but for the University and Madison community as a whole.

Courses offered by the program and through other departments incorporate the perspective of a variety of disciplines: anthropology, communication arts, cultural studies, dance, education, English, ethnic studies, film, history, human development and family studies, journalism, literature, media, political science, popular culture, psychology, sociology, theatre, and visual arts. New course topics are introduced each year. Examples of past topics include: Asian American History, Asian American Literature, Asian American Women Writers, Asian Americans in the Midwest, Hmong American Studies, Contemporary Legal Issues in Asian American Communities, Mixed Race Asian Americans, Asian American Cultural Politics, Southeast Asian Americans in US Schools, Asian American Dance, Asian Americans & Media, Afro-Asian Improvisational Dance, Psychology of Hmong Americans, and community-based research and service-learning courses.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Asian American Studies, Certificate (p. 429)

ASIAN AMERICAN STUDIES, CERTIFICATE

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Courses offered by the program and through other departments incorporate the perspective of a variety of disciplines: anthropology, communication arts, cultural studies, dance, education, English, ethnic studies, film, history, human development and family studies, journalism, literature, media, political science, popular culture, psychology, sociology, theatre, and visual arts. New course topics (https://guide.wisc.edu/courses/asian_am/) are introduced each year. Examples of past topics include: Asian American History, Asian American Literature, Asian American Women Writers, Asian Americans in the Midwest, Hmong American Studies, Contemporary Legal Issues in Asian American Communities, Mixed Race Asian Americans, Asian American Cultural Politics, Southeast Asian Americans in US Schools, Asian American Dance, Asian Americans & Media, Afro-Asian Improvisational Dance, Psychology of Hmong Americans, and community-based research and service-learning courses.

HOW TO GET IN

HOW TO GET IN

For more information or to declare the certificate, please contact the Asian American Studies Program at asianamerican@letsci.wisc.edu.

REQUIREMENTS

REQUIREMENTS

The Asian American Studies Certificate Program provides students with an opportunity to develop a sustained intellectual focus on Asian

American racial formation, history, literature, culture, and social concerns. Interdisciplinary in nature, the certificate can be obtained by completing 12 credits of coursework.

Code	Title	Credits
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/ AFROAMER/ AMER IND/CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
ASIAN AM/ DANCE 121	Asian American Movement	3
ASIAN AM/ ENGL 150	Literature & Culture of Asian America	3
ASIAN AM 152	Asian American Literary and Popular Culture: Race, Fantasy, Futures	3
ASIAN AM/ HISTORY 160	Asian American History: Movement and Dislocation	3-4
ASIAN AM/ HISTORY 161	Asian American History: Settlement and National Belonging	3-4
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM 240	Topics in Asian American Studies	3
ASIAN AM/ASIAN/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN AM 250	Eating Asian America	3
ASIAN AM/ ENGL 270	A Survey of Asian American Literature	3
ASIAN AM/ AFROAMER/ DANCE/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3
ASIAN AM/ COM ARTS 420	Asian Americans and Media	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
ASIAN AM/ ENGL 462	Topic in Asian American Literature	3
ASIAN AM/ENGL/ GEN&WS 463	Race and Sexuality in American Literature	3
ASIAN AM/ENGL/ GEN&WS 464	Asian American Women Writers	3
ASIAN AM/ ENGL 465	Asian American Poetry	3
ASIAN AM 540	Special Topics	3
ASIAN AM 560	Humanities Topics	3
ASIAN AM/ JOURN 662	Mass Media and Minorities	4
ASIAN AM 699	Independent Study: Directed Readings in Asian American Studies	1-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4

RESIDENCE & QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- 6 credits in the certificate, in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please follow the process described on the Asian American Studies website (https://asianamerican.wisc.edu/asian-am-studies-certificate/).

Please contact the Asian American Studies Program at asianamerican@letsci.wisc.edu to set up a career advising appointment.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
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ASIAN LANGUAGES AND CULTURES

The 21st century has been called the "Asian Century": indeed, many of the world's most pressing issues cannot be understood without a grasp of the histories, cultures, and languages of Asia. Asia is home to over half of the world's population. China, Japan, and India are three of the world's top economies. For decades, Asian countries have been leaders in global manufacturing, and Asian universities are renowned centers for literary studies and scientific innovation. Fifty percent of the declared nuclear-weapon states are also in the region. Simply put, Asia matters a great deal.

The Department of Asian Languages and Cultures (ALC) offers a wide variety of courses on East, South, and Southeast Asia taught by faculty

who are specialists in their regions and disciplines. Whether you are taking your first step toward learning about Asia or you bring some background experience, an ALC major will expand your ability to think and work across cultural and linguistic boundaries. Majors may opt to study Asia in a transnational and transhistorical perspective or in a more focused course of study by choosing one of our named options in East Asia, South Asia, and Southeast Asia.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in ALC with one of the certificates offered at the university, such as the Certificate in Global Health, the Certificate in Health and the Humanities, or those offered by the area studies centers.

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the ALC undergraduate advisor is especially important.

STARTING COURSEWORK TOWARD THE MAJOR

Students may declare the Asian Languages and Cultures major at any time. Before declaring the major, students may begin coursework to explore the language and fields of interest. Those students who have studied an Asian language prior to coming to UW–Madison will have to take a placement test (https://alc.wisc.edu/languages/placement-tests/) for a language offered during the academic year to determine the best class to enroll in on campus.

Code	Title	Credits
The courses noted below are open to freshman and have no prerequisites:		
ASIAN 100	Gateway to Asia: Special Topics	3-4
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN/COUN PSY/ ED PSYCH/ PSYCH 120	The Art and Science of Human Flourishing	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN 252	Contemporary Indian Society	3
ASIAN 253	Japanese Popular Culture	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN 277	Kendo: Integration of Martial Arts and Liberal Arts	2
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
The language courses below are open to freshman and have no prerequisites:		
ASIALANG 101	First Semester Chinese	4
ASIALANG 103	First Semester Japanese	4
ASIALANG 105	First Semester Korean	4
ASIALANG 110	Elementary Chinese I	2
ASIALANG 113	First Semester Elementary Japanese	2
ASIALANG 123	First Semester Filipino	4
ASIALANG 125	First Semester Hmong	4
ASIALANG 127	First Semester Indonesian	4
ASIALANG 129	First Semester Thai	4
ASIALANG 131	First Semester Vietnamese	4
ASIALANG 133	First Semester Hindi	4
ASIALANG 135	First Semester Modern Tibetan	4
ASIALANG 137	First Semester Persian	4
ASIALANG 139	First Semester Urdu	4
ASIALANG 141	First Semester Sanskrit	3-4

STUDY ABROAD & INTERNSHIPS

The University of Wisconsin–Madison is ranked #2 for semester-long study abroad participation among all U.S. institutions, and #16 among all U.S. universities and colleges for total students studying abroad, according to the 2018 Open Doors Report (https://www.iie.org/en/Why-IIE/Announcements/2018/11/2018-11-13-Number-of-International-Students-Reaches-New-High/).

Currently there are 60 study abroad programs across Asia. Students who participate in approved programs will receive residence credit for study abroad. More information about study abroad, application process, and costs is available through International Academic Programs (https://www.studyabroad.wisc.edu/). With pre-planning, students may fulfill major requirements during study abroad. It is important to meet with the undergraduate advisor to create a study plan.

Students can also gain professional experience through various internship opportunities abroad. More information about internship opportunities is available through International Internship Programs (http://internships.international.wisc.edu/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Asian Languages and Cultures, BA (p. 432)
- Asian Languages and Cultures, BS (p. 446)
- Chinese Professional Communication, Certificate (p. 460)
- Chinese, BA (p. 463)
- Chinese, BS (p. 470)
- Japanese Professional Communication, Certificate (p. 476)
- Japanese, BA (p. 479)
- Japanese, BS (p. 484)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Foreign Language & Area Studies (FLAS) Fellowships (https://flas.wisc.edu/)
FLAS fellowships are funded by the U.S. Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/) and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

Applicants must be U.S. citizens or permanent residents of the United States. Applications by students in professional fields are encouraged. Preference will be given to applicants with a high level of academic ability and with previous language training. Academic Year and Summer FLAS awards are two separate competitions requiring two separate and complete applications.

Wisconsin Scholarship Hub (https://wisc.academicworks.com/)
This is the primary campus-wide portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)
We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership — activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (http://borenawards.org/)
Campus Representative: Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director, International Academic Programs
These scholarships provide up to $20,000 to US undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. Additionally, all programs must include formal study of an appropriate foreign language.

Critical Language Scholarship Program (http://www.clscholarship.org/)
Campus Representative: Mark Lilleleht (awards@iris.wisc.edu), Assistant Director, IRIS

The Critical Language Scholarship (CLS) Program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully-funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and building relationships between the people of the United States and other countries, CLS provides opportunities to a diverse range of students from across the United States at every level of language learning.

The fourteen CLS languages are: Arabic, Azerbaijani, Bangla, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Punjabi, Russian, Swahili, Turkish, and Urdu.

The CLS Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts and humanities, are encouraged to apply.

Gilman Scholarship Program (https://www.iie.org/Programs/Gilman-Scholarship-Program/)
Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu), Advisor, International Academic Programs

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

DEPARTMENT SCHOLARSHIPS

The Department of Asian Languages and Cultures has various scholarships to support meritorious students in our academic programs. Please visit the department website (https://alc.wisc.edu/undergraduate-studies/department-scholarships/) for more details.

ASIAN LANGUAGES AND CULTURES, BA

The 21st century has been called the "Asian Century": indeed, many of the world's most pressing issues cannot be understood without a grasp of the histories, cultures, and languages of Asia. Asia is home to over half of the world's population. China, Japan, and India are three of the world's top economies. For decades Asian countries have been leaders in global

manufacturing, and Asian universities are renowned centers for literary studies and scientific innovation. Fifty percent of the declared nuclear-weapon states are also in the region. Simply put, Asia matters a great deal.

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To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the Certificate in Global Health, the Certificate in Health and the Humanities, or those offered by the area studies centers.

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures undergraduate advisor is especially important.

EAST ASIA

The East Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of China, Japan, Korea and Tibet. Students in the East Asian option can study Chinese, Japanese, Korean or Tibetan language and linguistics; and explore Chinese ghost stories and classical Chinese literature or poetry; Korean cinema and pop culture; classical Japanese fiction; early modern comedic narratives, manga, anime, and counterculture.

SOUTH ASIA

The South Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka, and Tibet. Students in the South Asian option can study Hindi, Persian, Sanskrit, Tibetan, or Urdu language; the roots of Yoga; methods of Buddhist philosophy and meditation; South Asian religion and politics in the past and present of the Indian subcontinent; and medical history in South Asia.

SOUTHEAST ASIA

The Southeast Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam. Students in the Southeast Asian option can study Burmese, Filipino, Hmong, Indonesian, Khmer, Thai, and Vietnamese language; Human rights in Thailand; literature of the region; and history and politics in Southeast Asia.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

The Asian Languages and Cultures major has three named options. Students who intend to declare a named option may not be declared in a certificate program focused on the same region. Students may not combine the following programs:

- East Asian Studies named option and the Certificate in East Asian Studies
- South Asian Studies named option and the Certificate in South Asian Studies
- Southeast Asian Studies named option and the Certificate in Southeast Asian Studies

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Chinese, Filipino, Hindi, Hmong, Indonesian, Japanese, Korean, Persian, Thai, Tibetan, Urdu, and Vietnamese. For more information, see the department's website (https://alc.wisc.edu/languages/placement-tests/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must take 32 credits as follows: [1]

GATEWAY COURSE

Code	Title	Credits
Required course:		
ASIAN 100	Gateway to Asia: Special Topics	3-4

REQUIRED LANGUAGE COURSES

Complete Third and Fourth Semester language courses:

Code	Title	Credits
East Asian languages		
ASIALANG 201 & ASIALANG 202	Third Semester Chinese and Fourth Semester Chinese	8
ASIALANG 203 & ASIALANG 204	Third Semester Japanese and Fourth Semester Japanese	8
ASIALANG 205 & ASIALANG 206	Third Semester Korean and Fourth Semester Korean	8
South Asian languages		
ASIALANG 233 & ASIALANG 234	Third Semester Hindi and Fourth Semester Hindi	8
ASIALANG 237 & ASIALANG 238	Third Semester Persian and Fourth Semester Persian	8
ASIALANG 235 & ASIALANG 236	Third Semester Modern Tibetan and Fourth Semester Modern Tibetan	8
ASIALANG 239 & ASIALANG 240	Third Semester Urdu and Fourth Semester Urdu	8
ASIALANG 241 & ASIALANG 242	Third Semester Sanskrit and Fourth Semester Sanskrit	8
Southeast Asian languages		
ASIALANG 229 & ASIALANG 230	Third Semester Thai and Fourth Semester Thai	8
ASIALANG 223 & ASIALANG 224	Third Semester Filipino and Fourth Semester Filipino	8
ASIALANG 225 & ASIALANG 226	Third Semester Hmong and Fourth Semester Hmong	8
ASIALANG 227 & ASIALANG 228	Third Semester Indonesian and Fourth Semester Indonesian	8
ASIALANG 231 & ASIALANG 232	Third Semester Vietnamese and Fourth Semester Vietnamese	8

EAST ASIAN STUDIES COURSES

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN 253	Japanese Popular Culture	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/SOC 336	Social Change in Contemporary South Korea	3
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 367	Haiku	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 374	Korean Cinema	3
ASIAN 375	Survey of Chinese Film	3
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ED POL 245	Education in East Asia	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY 340	Cultural History of Korea	3-4
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4

SOUTH ASIAN STUDIES COURSES

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/ ART HIST 179	Passage Through India: South Asia's Global Architectural Histories	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/ LITTRANS 212	Classical South Asian Literatures	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN 252	Contemporary Indian Society	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN/ RELIG ST 303	Jainism: Religion and Culture of Nonviolence	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3

ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 311	Modern Indian Literatures	3
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ ART HIST 428	Visual Cultures of India	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN/ COM ARTS 443	Indian Cinema in the U.S. and Beyond	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ HISTORY 463	Topics in South Asian History	3
ASIAN/ RELIG ST 466	Buddhist Thought	3
ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South	3
HISTORY 142	History of South Asia to the Present	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 450	Making of Modern South Asia	3-4
POLI SCI 370	Islam and Politics	3-4

SOUTHEAST ASIAN STUDIES COURSES

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN 403	Southeast Asian Literature	3
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	3-4
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
POLI SCI 323	Islam and World Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 370	Islam and Politics	3-4

CAPSTONE COURSE

Code	Title	Credits
Complete one course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	3

NAMED OPTIONS

View as listView as grid

- **ASIAN LANGUAGES AND CULTURES: EAST ASIAN STUDIES (P. 440)**
- **ASIAN LANGUAGES AND CULTURES: SOUTH ASIAN STUDIES (P. 443)**
- **ASIAN LANGUAGES AND CULTURES: SOUTHEAST ASIAN STUDIES (P. 445)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ASIAN, ASIALANG, and approved courses for the major
- 2.000 GPA in 15 upper-level major credits, taken in residence[2]
- 15 credits in the major, taken in residence

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Asian Languages & Cultures undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 for all courses accepted in the major
- Complete the following coursework, with a grade of B or better:
  - ASIAN 699 or any course from the list below when taken for at least 3 credits. This course must be taken before ASIAN 681 .

Code	Title	Credits
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 533	Readings in Early Modern Japanese Literature	3
ASIAN 563	Readings in Modern Japanese Literature	3
ASIAN 573	Readings in Classical Japanese Literature	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN 631	History of the Chinese Language	3
ASIAN 632	Studies in Chinese Linguistics	3
ASIAN 633	Chinese Applied Linguistics	3
ASIAN 641	History of Chinese Literature I	3
ASIAN 642	History of Chinese Literature II	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 672	Studies in Chinese Fiction	3

  - A two-semester Senior Honors Thesis in ASIAN 681 and ASIAN 682 , for a total of 6 credits.

FOOTNOTES

[1] Students who test above 4th semester language must still complete a minimum of 32 credits in the major. These students may complete another language sequence or other coursework as approved by the advisor.

[2] Intermediate and Advanced level major courses are upper-level.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Broad regional grounding: Understand the variation within and similarities across Asia with reference to historical and contemporary cultural connections (people, societies, languages, literatures, religions, and cultural genres).
2. Multidisciplinarity: Become familiar and proficient with multiple perspectives scholars use to study Asia and use them as resources in their own self-reflective thinking.
3. Depth of knowledge: Employ relevant theoretical and methodological approaches to arrive at informed understandings of key issues involving the environment, human rights, cultural practices, structures of power, etc. based on an understanding of the social and cultural ties within Asia as well as between Asia and the rest of the globe.
4. Analytical skills: Critically examine taken-for-granted notions and stereotypes and to inquire into the process of their construction. They will also be able to read, analyze and explain the significance of Asian texts and artifacts (literary, cultural, historical, and popular culture).
5. Language and cultural competence: Manage basic everyday communication needs in at least one Asian language; understand the relationship between language and culture; and understand how to study a new language and culture and how to advance their proficiency as life-long learners.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	4	Quantitative Reasoning A	4
Foreign Language Course	4	Biological Science Breadth	4

ASIAN 100 (Required Introductory Course)	4	Ethnic Studies	3
ASIAN/COUN PSY/ ED PSYCH/PSYCH 120	3	Foreign Language Course	4
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	4	Science Breadth	4
Physical Science Breadth	3	Communication B	3
Language Course	4	Language Course	4
South Asian Studies Course	3	Southeast Asian Studies Course	3
INTER-LS 210	1	INTL ST 275	1
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Literature Breadth	3	Literature Breadth	3
Science Breadth	3	South Asian Studies Course	3
Social Science Breadth	4	Southeast Asian Studies Course	3
East Asian Studies Course	3	Directed Study (optional, may be required for Honors in the Major)	3
Electives	3	INTER-LS 215	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
East Asian Studies Course	3	Asian Studies Capstone Course	3
Electives	6	ASIAN 682 or 692 (Optional)	3
Advanced Language Course (Optional)	3	Electives	8
ASIAN 681 or 691 (Optional)	3		
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UNDERGRADUATE RESEARCH

Students in the Asian Languages and Cultures (ALC) department academic programs are encouraged to become engaged in undergraduate research. There are numerous programs (https://teachlearn.provost.wisc.edu/initiatives-and-programs/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (http://grad.wisc.edu/mcnair/)
- Summer Research Programs (https://grad.wisc.edu/diversity/srop/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- The Wisconsin Idea Undergraduate Fellowship Program (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/)

WISCONSIN SUMMER LANGUAGE INSTITUTES

Each summer around 200 undergraduate students, graduate students, professionals, and others come to UW–Madison to study a language at the Wisconsin Intensive Summer Language Institutes (WISLI) (https://wisli.wisc.edu/). WISLI is host to five summer language institutes which offer high-quality courses in 30 less commonly taught languages:

Arabic, Persian, and Turkish Language Immersion Institute (APTLII)

Central Eurasian Studies Summer Institute (CESSI) (https://cessi.wisc.edu/)
South Asia Summer Language Institute (SASLI) (https://sasli.wisc.edu/)
Southeast Asian Studies Summer Institute (SEASSI) (https://seassi.wisc.edu/)

STUDY ABROAD AND INTERNSHIPS

The University of Wisconsin–Madison is ranked #2 for semester-long study abroad participation among all US institutions, and #16 among all US universities and colleges for total students studying abroad, according to the 2018 Open Doors Report (https://www.iie.org/en/Why-IIE/Announcements/2018/11/2018-11-13-Number-of-International-Students-Reaches-New-High/). There are nearly 60 study abroad opportunities across Asia. Approved UW–Madison programs will allow students to receive resident credit while abroad. With pre-planning, students may also fulfill major requirements on academic programs abroad, however, careful planning and discussion with your advisor are key. For more information about programs, application process, and fees, visit: International Academic Programs (https://www.studyabroad.wisc.edu/).

Students may also gain career and professional experience through various internship opportunities abroad. To review opportunities, application process, and fees, visit: International Internship Programs (http://internships.international.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships (https://flas.wisc.edu/)

FLAS fellowships are funded by the US Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/) and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

Applicants must be U.S. citizens or permanent residents of the United States. Applications by students in professional fields are encouraged. Preference will be given to applicants with a high level of academic ability and with previous language training. Academic Year and Summer FLAS awards are two separate competitions requiring two separate and complete applications.

Wisconsin Scholarship Hub (https://wisc.academicworks.com/)

This is the primary campus-wide portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)

We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership—activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (http://borenawards.org/)

Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central and Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)). Undergraduates with questions about the Boren Scholarship should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs.

Critical Language Scholarship Program (http://www.clscholarship.org/)

Campus Representative: Mark Lilleleht, Assistant Director for Awards, at awards@iris.wisc.edu

The Critical Language Scholarship (CLS) Program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully-funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and building relationships between the people of the United States and other countries, CLS provides opportunities to a diverse range of students from across the United States at every level of language learning.

The fourteen CLS languages are: Arabic, Azerbaijani, Bangla, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Punjabi, Russian, Swahili, Turkish, and Urdu.

The CLS Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts and humanities, are encouraged to apply.

Gilman Scholarship Program (https://www.iie.org/Programs/Gilman-Scholarship-Program/)

Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu), Advisor, International Academic Programs

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

ASIAN LANGUAGES AND CULTURES: EAST ASIAN STUDIES

The East Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of China, Japan, Korea, and Tibet. Students in the East Asian option can study Chinese, Japanese, Korean, or Tibetan language and linguistics; and explore Chinese ghost stories and classical Chinese literature or poetry; Korean cinema and pop culture; classical Japanese fiction; early modern comedic narratives, manga, anime, and counterculture.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the certificate in Global Health (p. 147), the certificate in Health and the Humanities (p. 977), or those offered by the area studies centers: Center for East Asian Studies (https://eastasia.wisc.edu/); Center for South Asia (https://southasia.wisc.edu/); and Center for Southeast Asian Studies (https://seasia.wisc.edu/).

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures advisor is especially important.

REQUIREMENTS

REQUIREMENTS FOR THE EAST ASIAN OPTION

32 credits to include the Introductory and Residence and Quality of Work requirements of the general major, plus these requirements specific to the East Asian Option:

GATEWAY COURSE

Code	Title	Credits
Required Course:		
ASIAN 100	Gateway to Asia: Special Topics	3-4

REQUIRED LANGUAGE COURSES

Code	Title	Credits
Complete Second Year East Asian Language Courses:		
ASIALANG 201 & ASIALANG 202	Third Semester Chinese and Fourth Semester Chinese	8
ASIALANG 203 & ASIALANG 204	Third Semester Japanese and Fourth Semester Japanese	8
ASIALANG 205 & ASIALANG 206	Third Semester Korean and Fourth Semester Korean	8

EAST ASIAN STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ED POL 245	Education in East Asia	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4

CHINESE STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 375	Survey of Chinese Film	3
ASIAN 432	Introduction to Chinese Linguistics	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
LITTRANS 261	Survey of Chinese Literature in Translation	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 346	China in World Politics	3-4

JAPANESE STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN 253	Japanese Popular Culture	3
ASIAN 277	Kendo: Integration of Martial Arts and Liberal Arts	2

ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN 367	Haiku	3
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3

KOREAN STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN 254	Korean Popular Culture	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/SOC 336	Social Change in Contemporary South Korea	3
ASIAN 374	Korean Cinema	3
HISTORY 340	Cultural History of Korea	3-4

ADDITIONAL COURSEWORK IN THE MAJOR

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 253	Japanese Popular Culture	3
ASIAN 254	Korean Popular Culture	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/SOC 336	Social Change in Contemporary South Korea	3
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 367	Haiku	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 374	Korean Cinema	3
ASIAN 375	Survey of Chinese Film	3
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3

ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 411	Topics in Asian Art	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ED POL 245	Education in East Asia	3
GEOG 340	World Regions in Global Context	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY 340	Cultural History of Korea	3-4
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4

CAPSTONE COURSE

Code	Title	Credits
Complete one Course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in the Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	2-3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A Course	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4
East Asian Language Course	4	Science Breadth	4
ASIAN 100	4	Ethnic Studies Course	3
Social Science Breadth	3	East Asian Language Course	4
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4	Science Breadth	4
Science Breadth	4	East Asian Language Course	4
East Asian Language Course	4	Communication B	3
INTER-LS 210	1	Japanese Studies Elective	3
		INTL ST 275	1
	13		**15**

Third Year

Fall	Credits	Spring	Credits
Science Breadth	3	INTER-LS 215	3
Chinese Studies Elective	3	Electives (Intermediate/ Advanced level)	6
East Asian Studies Elective	3	Japanese Studies Elective	3
Korean Studies Elective	3	Literature Breadth	3
Literature Breadth	3	ASIAN 699 (optional, may be required for Honors in the Major)	3
	15		**18**

Fourth Year

Fall	Credits	Spring	Credits
Electives (Intermediate/ Advanced level)	8	ASIAN 630	3
ASIAN 681 or 691	3	Electives (Intermediate/ Advanced level)	6
Advanced East Asian Language Course (Optional)	3	ASIAN 682 or 692	3
		Advanced East Asian Language Course (Optional)	3
	14		**15**

Total Credits 120

ASIAN LANGUAGES AND CULTURES: SOUTH ASIAN STUDIES

The South Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka, and Tibet. Students in the South Asian option can study Hindi, Persian, Sanskrit, Tibetan, or Urdu language; and probe the roots of Yoga; methods of Buddhist philosophy and meditation; South Asian religion and politics in the past and present of the Indian subcontinent; and medical history in South Asia.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the certificate in Global Health (p. 147), the certificate in Health and the Humanities (p. 977), or those offered by the area studies centers: Center for East Asian Studies (https://eastasia.wisc.edu/); Center for South Asia (https://southasia.wisc.edu/); and Center for Southeast Asian Studies (https://seasia.wisc.edu/).

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures advisor is especially important.

REQUIREMENTS

REQUIREMENTS FOR THE SOUTH ASIAN STUDIES OPTION

32 credits to include the Introductory and Residence and Quality of Work requirements of the general major, plus these requirements specific to the South Asian Option:

GATEWAY COURSE

Code	Title	Credits
Required Course:		
ASIAN 100	Gateway to Asia: Special Topics	3-4

REQUIRED LANGUAGE COURSES

Code	Title	Credits
Complete Second Year South Asian Language Courses:		
ASIALANG 233 & ASIALANG 234	Third Semester Hindi and Fourth Semester Hindi	8
ASIALANG 237 & ASIALANG 238	Third Semester Persian and Fourth Semester Persian	8
ASIALANG 235 & ASIALANG 236	Third Semester Modern Tibetan and Fourth Semester Modern Tibetan	8
ASIALANG 239 & ASIALANG 240	Third Semester Urdu and Fourth Semester Urdu	8
ASIALANG 241 & ASIALANG 242	Third Semester Sanskrit and Fourth Semester Sanskrit	8

SOUTH ASIAN STUDIES COURSES

Code	Title	Credits
Complete 6 classes from the following course options (at least 16 credits):		
ASIAN/ ART HIST 179	Passage Through India: South Asia's Global Architectural Histories	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/ LITTRANS 212	Classical South Asian Literatures	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 252	Contemporary Indian Society	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN/ RELIG ST 303	Jainism: Religion and Culture of Nonviolence	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 311	Modern Indian Literatures	3
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ ART HIST 428	Visual Cultures of India	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN/ COM ARTS 443	Indian Cinema in the U.S. and Beyond	3
ASIAN/ RELIG ST 460	The History of Yoga	3

ASIAN/ HISTORY 463	Topics in South Asian History	3
ASIAN/ RELIG ST 466	Buddhist Thought	3
ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ASIALANG 333	Fifth Semester Hindi	3-4
ASIALANG 334	Sixth Semester Hindi	3-4
ASIALANG 335	Fifth Semester Tibetan	4
ASIALANG 336	Sixth Semester Tibetan	4
ASIALANG 337	Fifth Semester Persian	3-4
ASIALANG 338	Sixth Semester Persian	3-4
ASIALANG 339	Fifth Semester Urdu	3-4
ASIALANG 340	Sixth Semester Urdu	3-4
ASIALANG 675	Advanced Readings in Sanskrit	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South	3
HISTORY 142	History of South Asia to the Present	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 450	Making of Modern South Asia	3-4
POLI SCI 370	Islam and Politics	3-4

CAPSTONE COURSE

Code	Title	Credits
Complete one course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	2-3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4
South Asian Language Course	4	Science Breadth	4
ASIAN 100 (Required Introductory Course)	3	Ethnic Studies Course	3
INTER-LS 145	1	South Asian Language Course	4
South Asian Studies Elective	3		
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4	Science Breadth	4
Science Breadth	3	South Asian Language Course	4
South Asian Language Course	4	Communication B	3
ASIAN 252 (South Asian Studies Elective)	3	ASIAN/RELIG ST 306 (South Asian Studies Course)	3
INTER-LS 210	1	INTL ST 275	1
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Science Breadth	3	INTER-LS 215	3
Social Science Breadth	3	Elective (Intermediate/ Advanced level)	4
Literature Breadth	3	South Asian Studies Elective	3
South Asian Studies Elective	3	Literature Breadth	3

Elective (Intermediate/ Advanced level)	3	ASIAN 699 (Optional, may be required for Honors in the Major)	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
South Asian Advanced Language (optional)	3	ASIAN 682 or 692 (Optional, or may be required for Honors in the Major)	3
South Asian Studies Elective	3	Electives (Intermediate/ Advanced level)	8
Electives (Intermediate/ Advanced level)	6	South Asian Studies Elective	3
ASIAN 681 or 691 (Optional, may be required for Honors in the Major)	3		
	15		**14**

Total Credits 120

ASIAN LANGUAGES AND CULTURES: SOUTHEAST ASIAN STUDIES

The Southest Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam. Students in the Southeast Asian option can study Burmese, Filipino, Hmong, Indonesian, Khmer, Thai, and Vietnamese language; and probe Human rights in Thailand; explore literature of the region; and history and politics in Southeast Asia.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the certificate in Global Health (p. 147), the certificate in Health and the Humanities (p. 977), or those offered by the area studies centers: Center for East Asian Studies (https://eastasia.wisc.edu/); Center for South Asia (https://southasia.wisc.edu/); and Center for Southeast Asian Studies (https://seasia.wisc.edu/).

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures advisor is especially important.

REQUIREMENTS

REQUIREMENTS FOR THE SOUTHEAST ASIAN OPTION

32 credits to include the Introductory and Residence and Quality of Work requirements of the general major, plus these requirements specific to the Southeast Asian Option:

GATEWAY COURSE

Code	Title	Credits
Required Course:		
ASIAN 100	Gateway to Asia: Special Topics	3

REQUIRED LANGUAGE COURSES

Code	Title	Credits
Complete Second Year Southeast Asian language courses:		
ASIALANG 229 & ASIALANG 230	Third Semester Thai and Fourth Semester Thai	8
ASIALANG 223 & ASIALANG 224	Third Semester Filipino and Fourth Semester Filipino	8
ASIALANG 225 & ASIALANG 226	Third Semester Hmong and Fourth Semester Hmong	8
ASIALANG 227 & ASIALANG 228	Third Semester Indonesian and Fourth Semester Indonesian	8
ASIALANG 231 & ASIALANG 232	Third Semester Vietnamese and Fourth Semester Vietnamese	8

SOUTHEAST ASIAN STUDIES COURSES

Code	Title	Credits
Complete six classes from the following course options (at least 16 credits):		
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN 403	Southeast Asian Literature	3
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	3-4
ASIALANG 323	Fifth Semester Filipino	3
ASIALANG 324	Sixth Semester Filipino	3
ASIALANG 325	Fifth Semester Hmong	3
ASIALANG 326	Sixth Semester Hmong	3
ASIALANG 348	Fifth Semester Indonesian	3-4
ASIALANG 328	Sixth Semester Indonesian	3-4
ASIALANG 329	Fifth Semester Thai	3
ASIALANG 330	Sixth Semester Thai	3
ASIALANG 331	Fifth Semester Vietnamese	3
ASIALANG 332	Sixth Semester Vietnamese	3
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
HISTORY/ASIAN 319	The Vietnam Wars	3-4

HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
POLI SCI 323	Islam and World Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 370	Islam and Politics	3-4

Capstone Course

Code	Title	Credits
Complete one course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	2-3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4
Southeast Asian Language Course	4	Science Breadth	4
ASIAN 100	4	Ethnic Studies Course	4
Social Science Breadth	4	Southeast Asian Language Course	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4	Science Breadth	4
Science Breadth	4	Southeast Asian Language Course	4
Southeast Asian Language Course	4	Communication B	3
Southeast Asian Studies Course	4	Southeast Asian Studies Course	3
		INTL ST 275	1
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Science Breadth	4	INTER-LS 215	3
Southeast Asian Studies Course	4	GEOG 358	3
Southeast Asian Studies Course	4	ASIAN/HISTORY 319	3
Literature Breadth	3	ASIAN 699 (Optional, may be required for Honors in the Major)	3
	15		**12**

Fourth Year

Fall	Credits	Spring	Credits
Southeast Asian Studies Course	3	Southeast Asian Studies Course	3
Electives (Intermediate/ Advanced level)	6	ASIAN 682 or 692	3
Southeast Asian Advanced Language Course (Optional)	3	Electives (Intermediate/ Advanced level)	6
ASIAN 681 or 691	3	Southeast Asian Advanced Language Course (Optional)	3
	15		**15**

Total Credits 120

ASIAN LANGUAGES AND CULTURES, BS

The 21st century has been called the “Asian Century”: indeed, many of the world's most pressing issues cannot be understood without a grasp of the histories, cultures, and languages of Asia. Asia is home to over half of the world's population. China, Japan, and India are three of the world’s top economies. For decades Asian countries have been leaders in global manufacturing, and Asian universities are renowned centers for literary studies and scientific innovation. Fifty percent of the declared nuclear-weapon states are also in the region. Simply put, Asia matters a great deal.

The Department of Asian Languages and Cultures offers a wide variety of courses on East, South, and Southeast Asia taught by faculty who are specialists in their regions and disciplines. Whether you are taking your first

step toward learning about Asia or you bring some background experience, an Asian Languages and Cultures major will expand your ability to think and work across cultural and linguistic boundaries. Students may opt to study Asia in a transnational and transhistorical perspective or in a more focused course of study by choosing one of our named options in East Asia, South Asia, and Southeast Asia.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the Certificate in Global Health, the Certificate in Health and the Humanities, or those offered by the area studies centers.

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures undergraduate advisor is especially important.

EAST ASIA

The East Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of China, Japan, Korea and Tibet. Students in the East Asian option can study Chinese, Japanese, Korean or Tibetan language and linguistics; and explore Chinese ghost stories and classical Chinese literature or poetry; Korean cinema and pop culture; classical Japanese fiction; early modern comedic narratives, manga, anime, and counterculture.

SOUTH ASIA

The South Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka, and Tibet. Students in the South Asian option can study Hindi, Persian, Sanskrit, Tibetan, or Urdu language; the roots of Yoga; methods of Buddhist philosophy and meditation; South Asian religion and politics in the past and present of the Indian subcontinent; and medical history in South Asia.

SOUTHEAST ASIA

The Southeast Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam. Students in the Southeast Asian option can study Burmese, Filipino, Hmong, Indonesian, Khmer, Thai, and Vietnamese language; Human rights in Thailand; literature of the region; and history and politics in Southeast Asia.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

The Asian Languages and Cultures major has three named options. Students who intend to declare a named option may not be declared in a certificate program focused on the same region. Students may not combine the following programs:

- East Asian Studies named option and the Certificate in East Asian Studies
- South Asian Studies named option and the Certificate in South Asian Studies
- Southeast Asian Studies named option and the Certificate in Southeast Asian Studies

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Chinese, Filipino, Hindi, Hmong, Indonesian, Japanese, Korean, Persian, Thai, Tibetan, Urdu, and Vietnamese. For more information, see the department's website (https://alc.wisc.edu/languages/placement-tests/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must take 32 credits as follows: [1]

GATEWAY COURSE

Code	Title	Credits
Required course:		
ASIAN 100	Gateway to Asia: Special Topics	3-4

REQUIRED LANGUAGE COURSES

Complete Third and Fourth Semester language courses:

Code	Title	Credits
East Asian languages		
ASIALANG 201 & ASIALANG 202	Third Semester Chinese and Fourth Semester Chinese	8
ASIALANG 203 & ASIALANG 204	Third Semester Japanese and Fourth Semester Japanese	8
ASIALANG 205 & ASIALANG 206	Third Semester Korean and Fourth Semester Korean	8
South Asian languages		
ASIALANG 233 & ASIALANG 234	Third Semester Hindi and Fourth Semester Hindi	8
ASIALANG 237 & ASIALANG 238	Third Semester Persian and Fourth Semester Persian	8
ASIALANG 235 & ASIALANG 236	Third Semester Modern Tibetan and Fourth Semester Modern Tibetan	8
ASIALANG 239 & ASIALANG 240	Third Semester Urdu and Fourth Semester Urdu	8
ASIALANG 241 & ASIALANG 242	Third Semester Sanskrit and Fourth Semester Sanskrit	8
Southeast Asian languages		
ASIALANG 229 & ASIALANG 230	Third Semester Thai and Fourth Semester Thai	8
ASIALANG 223 & ASIALANG 224	Third Semester Filipino and Fourth Semester Filipino	8
ASIALANG 225 & ASIALANG 226	Third Semester Hmong and Fourth Semester Hmong	8
ASIALANG 227 & ASIALANG 228	Third Semester Indonesian and Fourth Semester Indonesian	8
ASIALANG 231 & ASIALANG 232	Third Semester Vietnamese and Fourth Semester Vietnamese	8

EAST ASIAN STUDIES COURSES

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN 253	Japanese Popular Culture	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/SOC 336	Social Change in Contemporary South Korea	3

ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 367	Haiku	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 374	Korean Cinema	3
ASIAN 375	Survey of Chinese Film	3
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ED POL 245	Education in East Asia	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY 340	Cultural History of Korea	3-4
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4

SOUTH ASIAN STUDIES COURSES

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/ ART HIST 179	Passage Through India: South Asia's Global Architectural Histories	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/ LITTRANS 212	Classical South Asian Literatures	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN 252	Contemporary Indian Society	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN/ RELIG ST 303	Jainism: Religion and Culture of Nonviolence	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 311	Modern Indian Literatures	3
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ ART HIST 428	Visual Cultures of India	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN/ COM ARTS 443	Indian Cinema in the U.S. and Beyond	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ HISTORY 463	Topics in South Asian History	3
ASIAN/ RELIG ST 466	Buddhist Thought	3

ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South	3
HISTORY 142	History of South Asia to the Present	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 450	Making of Modern South Asia	3-4
POLI SCI 370	Islam and Politics	3-4

SOUTHEAST ASIAN STUDIES COURSES

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN 403	Southeast Asian Literature	3
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	3-4
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
POLI SCI 323	Islam and World Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 370	Islam and Politics	3-4

CAPSTONE COURSE

Code	Title	Credits
Complete one course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	3

NAMED OPTIONS

View as listView as grid

- **ASIAN LANGUAGES AND CULTURES: EAST ASIAN STUDIES (P. 440)**
- **ASIAN LANGUAGES AND CULTURES: SOUTH ASIAN STUDIES (P. 443)**
- **ASIAN LANGUAGES AND CULTURES: SOUTHEAST ASIAN STUDIES (P. 445)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ASIAN, ASIALANG, and approved courses for the major
- 2.000 GPA in 15 upper-level major credits, taken in residence[2]
- 15 credits in the major, taken in residence

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Asian Languages & Cultures undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 for all courses accepted in the major
- Complete the following coursework, with a grade of B or better:
  - ASIAN 699 or any course from the list below when taken for at least 3 credits. This course must be taken before ASIAN 681 .

Code	Title	Credits
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 533	Readings in Early Modern Japanese Literature	3
ASIAN 563	Readings in Modern Japanese Literature	3
ASIAN 573	Readings in Classical Japanese Literature	3

ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN 631	History of the Chinese Language	3
ASIAN 632	Studies in Chinese Linguistics	3
ASIAN 633	Chinese Applied Linguistics	3
ASIAN 641	History of Chinese Literature I	3
ASIAN 642	History of Chinese Literature II	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 672	Studies in Chinese Fiction	3

- A two-semester Senior Honors Thesis in ASIAN 681 and ASIAN 682 , for a total of 6 credits.

FOOTNOTES

[1] Students who test above 4th semester language must still complete a minimum of 32 credits in the major. These students may complete another language sequence or other coursework as approved by the advisor.

[2] Intermediate and Advanced level major courses are upper-level.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Broad regional grounding: Understand the variation within and similarities across Asia with reference to historical and contemporary cultural connections (people, societies, languages, literatures, religions, and cultural genres).
2. Multidisciplinarity: Become familiar and proficient with multiple perspectives scholars use to study Asia and use them as resources in their own self-reflective thinking.
3. Depth of knowledge: Employ relevant theoretical and methodological approaches to arrive at informed understandings of key issues involving the environment, human rights, cultural practices, structures of power, etc. based on an understanding of the social and cultural ties within Asia as well as between Asia and the rest of the globe.
4. Analytical skills: Critically examine taken-for-granted notions and stereotypes and to inquire into the process of their construction. They will also be able to read, analyze and explain the significance of Asian texts and artifacts (literary, cultural, historical, and popular culture).
5. Language and cultural competence: Manage basic everyday communication needs in at least one Asian language; understand the relationship between language and culture; and understand how to study a new language and culture and how to advance their proficiency as life-long learners.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	4	Quantitative Reasoning A	4
Foreign Language Course	4	Biological Science Breadth	4
ASIAN 100 (Required Introductory Course)	4	Ethnic Studies	3
ASIAN/COUN PSY/ ED PSYCH/PSYCH 120	3	Foreign Language Course	4
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	4	Science Breadth	4
Physical Science Breadth	3	Communication B	3
Language Course	4	Language Course	4
South Asian Studies Course	3	Southeast Asian Studies Course	3
INTER-LS 210	1	INTL ST 275	1
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Literature Breadth	3	Literature Breadth	3
Science Breadth	3	South Asian Studies Course	3
Social Science Breadth	4	Southeast Asian Studies Course	3
East Asian Studies Course	3	Directed Study (optional, may be required for Honors in the Major)	3
Electives	3	INTER-LS 215	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
East Asian Studies Course	3	Asian Studies Capstone Course	3
Electives	6	ASIAN 682 or 692 (Optional)	3
Advanced Language Course (Optional)	3	Electives	8
ASIAN 681 or 691 (Optional)	3		
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UNDERGRADUATE RESEARCH

Students in the ALC department academic programs are encouraged to become engaged in undergraduate research. There are numerous programs (https://teachlearn.provost.wisc.edu/initiatives-and-programs/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (http://grad.wisc.edu/mcnair/)
- Summer Research Programs (https://grad.wisc.edu/diversity/srop/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- The Wisconsin Idea Undergraduate Fellowship Program (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/)

WISCONSIN SUMMER LANGUAGE INSTITUTES

Each summer around 200 undergraduate students, graduate students, professionals, and others come to UW–Madison to study a language at the Wisconsin Intensive Summer Language Institutes (WISLI) (https://wisli.wisc.edu/). WISLI is host to five summer language institutes which offer high-quality courses in 30 less commonly taught languages:

Arabic, Persian, and Turkish Language Immersion Institute (APTLII)
Central Eurasian Studies Summer Institute (CESSI) (https://cessi.wisc.edu/)
South Asia Summer Language Institute (SASLI) (https://sasli.wisc.edu/)
Southeast Asian Studies Summer Institute (SEASSI) (https://seassi.wisc.edu/)

STUDY ABROAD

The University of Wisconsin–Madison is ranked #2 for semester-long study abroad participation among all U.S. institutions and #16 among all U.S. universities and colleges for total students studying abroad, according to the 2018 Open Doors Report (https://www.iie.org/en/Why-IIE/Announcements/2018/11/2018-11-13-Number-of-International-Students-Reaches-New-High/). There are nearly 60 study abroad opportunities across Asia. Approved UW–Madison programs will allow students to receive resident credit while abroad. With pre-planning, students may also fulfill major requirements on academic programs abroad; however, careful planning and discussion with your advisor are key.

For more information about programs, application process, and fees, visit: International Academic Programs (https://www.studyabroad.wisc.edu/).

Students may also gain career and professional experience through various internship opportunities abroad. To review opportunities, application process, and fees, visit: International Internship Programs (http://internships.international.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships (https://flas.wisc.edu/)

FLAS fellowships are funded by the US Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/) and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

Applicants must be U.S. citizens or permanent residents of the United States. Applications by students in professional fields are encouraged. Preference will be given to applicants with a high level of academic ability and with previous language training. Academic Year and Summer FLAS awards are two separate competitions requiring two separate and complete applications.

Wisconsin Scholarship Hub (https://wisc.academicworks.com/)

This is the primary campus-wide portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)

We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership—activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (http://borenawards.org/)

Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central and Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)). Undergraduates with questions about the Boren Scholarship should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs.

Critical Language Scholarship Program (http://www.clscholarship.org/)

Campus Representative: Mark Lilleleht, Assistant Director for Awards, at awards@iris.wisc.edu

The Critical Language Scholarship (CLS) Program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully-funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and building relationships between the people of the United States and other countries, CLS provides opportunities to a diverse range of students from across the United States at every level of language learning.

The fourteen CLS languages are: Arabic, Azerbaijani, Bangla, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Punjabi, Russian, Swahili, Turkish, and Urdu.

The CLS Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts and humanities, are encouraged to apply.

Gilman Scholarship Program (https://www.iie.org/Programs/Gilman-Scholarship-Program/)

Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu), Advisor, International Academic Programs

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

ASIAN LANGUAGES AND CULTURES: EAST ASIAN STUDIES

The East Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of China, Japan, Korea, and Tibet. Students in the East Asian option can study Chinese, Japanese, Korean, or Tibetan language and linguistics; and explore Chinese ghost stories and classical Chinese literature or poetry; Korean cinema and pop culture; classical Japanese fiction; early modern comedic narratives, manga, anime, and counterculture.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the certificate in Global Health (p. 147), the certificate in Health and the Humanities (p. 977), or those offered by the area studies centers: Center for East Asian Studies (https://eastasia.wisc.edu/); Center for South Asia (https://southasia.wisc.edu/); and Center for Southeast Asian Studies (https://seasia.wisc.edu/).

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures advisor is especially important.

REQUIREMENTS

REQUIREMENTS FOR THE EAST ASIAN OPTION

32 credits to include the Introductory and Residence and Quality of Work requirements of the general major, plus these requirements specific to the East Asian Option:

GATEWAY COURSE

Code	Title	Credits
Required Course:		
ASIAN 100	Gateway to Asia: Special Topics	3-4

REQUIRED LANGUAGE COURSES

Code	Title	Credits
Complete Second Year East Asian Language Courses:		
ASIALANG 201 & ASIALANG 202	Third Semester Chinese and Fourth Semester Chinese	8
ASIALANG 203 & ASIALANG 204	Third Semester Japanese and Fourth Semester Japanese	8
ASIALANG 205 & ASIALANG 206	Third Semester Korean and Fourth Semester Korean	8

EAST ASIAN STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ED POL 245	Education in East Asia	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4

CHINESE STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 375	Survey of Chinese Film	3
ASIAN 432	Introduction to Chinese Linguistics	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
LITTRANS 261	Survey of Chinese Literature in Translation	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 346	China in World Politics	3-4

JAPANESE STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN 253	Japanese Popular Culture	3
ASIAN 277	Kendo: Integration of Martial Arts and Liberal Arts	2
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN 367	Haiku	3
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4

ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3

KOREAN STUDIES COURSE

Code	Title	Credits
Complete one course from the following options (at least 3 credits):		
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN 254	Korean Popular Culture	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/SOC 336	Social Change in Contemporary South Korea	3
ASIAN 374	Korean Cinema	3
HISTORY 340	Cultural History of Korea	3-4

ADDITIONAL COURSEWORK IN THE MAJOR

Code	Title	Credits
Complete two courses from the following options (at least 6 credits):		
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 253	Japanese Popular Culture	3
ASIAN 254	Korean Popular Culture	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/SOC 336	Social Change in Contemporary South Korea	3
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 367	Haiku	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 374	Korean Cinema	3
ASIAN 375	Survey of Chinese Film	3
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 411	Topics in Asian Art	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ED POL 245	Education in East Asia	3
GEOG 340	World Regions in Global Context	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY 340	Cultural History of Korea	3-4
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3

LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4

CAPSTONE COURSE

Code	Title	Credits
Complete one Course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in the Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	2-3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A Course	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4
East Asian Language Course	4	Science Breadth	4
ASIAN 100	4	Ethnic Studies Course	3
Social Science Breadth	3	East Asian Language Course	4
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4	Science Breadth	4
Science Breadth	4	East Asian Language Course	4
East Asian Language Course	4	Communication B	3
INTER-LS 210	1	Japanese Studies Elective	3
		INTL ST 275	1
	13		**15**

Third Year

Fall	Credits	Spring	Credits
Science Breadth	3	INTER-LS 215	3
Chinese Studies Elective	3	Electives (Intermediate/ Advanced level)	6
East Asian Studies Elective	3	Japanese Studies Elective	3
Korean Studies Elective	3	Literature Breadth	3
Literature Breadth	3	ASIAN 699 (optional, may be required for Honors in the Major)	3
	15		**18**

Fourth Year

Fall	Credits	Spring	Credits
Electives (Intermediate/ Advanced level)	8	ASIAN 630	3
ASIAN 681 or 691	3	Electives (Intermediate/ Advanced level)	6
Advanced East Asian Language Course (Optional)	3	ASIAN 682 or 692	3
		Advanced East Asian Language Course (Optional)	3
	14		**15**

Total Credits 120

ASIAN LANGUAGES AND CULTURES: SOUTH ASIAN STUDIES

The South Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka, and Tibet. Students in the South Asian option can study Hindi, Persian, Sanskrit, Tibetan, or Urdu

language; and probe the roots of Yoga; methods of Buddhist philosophy and meditation; South Asian religion and politics in the past and present of the Indian subcontinent; and medical history in South Asia.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the certificate in Global Health (p. 147), the certificate in Health and the Humanities (p. 977), or those offered by the area studies centers: Center for East Asian Studies (https://eastasia.wisc.edu/); Center for South Asia (https://southasia.wisc.edu/); and Center for Southeast Asian Studies (https://seasia.wisc.edu/).

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures advisor is especially important.

REQUIREMENTS

REQUIREMENTS FOR THE SOUTH ASIAN STUDIES OPTION

32 credits to include the Introductory and Residence and Quality of Work requirements of the general major, plus these requirements specific to the South Asian Option:

GATEWAY COURSE

Code	Title	Credits
Required Course:		
ASIAN 100	Gateway to Asia: Special Topics	3-4

REQUIRED LANGUAGE COURSES

Code	Title	Credits
Complete Second Year South Asian Language Courses:		
ASIALANG 233 & ASIALANG 234	Third Semester Hindi and Fourth Semester Hindi	8
ASIALANG 237 & ASIALANG 238	Third Semester Persian and Fourth Semester Persian	8
ASIALANG 235 & ASIALANG 236	Third Semester Modern Tibetan and Fourth Semester Modern Tibetan	8
ASIALANG 239 & ASIALANG 240	Third Semester Urdu and Fourth Semester Urdu	8
ASIALANG 241 & ASIALANG 242	Third Semester Sanskrit and Fourth Semester Sanskrit	8

SOUTH ASIAN STUDIES COURSES

Code	Title	Credits
Complete 6 classes from the following course options (at least 16 credits):		
ASIAN/ ART HIST 179	Passage Through India: South Asia's Global Architectural Histories	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/ LITTRANS 212	Classical South Asian Literatures	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 252	Contemporary Indian Society	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN/ RELIG ST 303	Jainism: Religion and Culture of Nonviolence	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 311	Modern Indian Literatures	3
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ ART HIST 428	Visual Cultures of India	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN/ COM ARTS 443	Indian Cinema in the U.S. and Beyond	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ HISTORY 463	Topics in South Asian History	3
ASIAN/ RELIG ST 466	Buddhist Thought	3
ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ASIALANG 333	Fifth Semester Hindi	3-4
ASIALANG 334	Sixth Semester Hindi	3-4
ASIALANG 335	Fifth Semester Tibetan	4
ASIALANG 336	Sixth Semester Tibetan	4
ASIALANG 337	Fifth Semester Persian	3-4
ASIALANG 338	Sixth Semester Persian	3-4
ASIALANG 339	Fifth Semester Urdu	3-4
ASIALANG 340	Sixth Semester Urdu	3-4
ASIALANG 675	Advanced Readings in Sanskrit	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3

ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South	3
HISTORY 142	History of South Asia to the Present	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 450	Making of Modern South Asia	3-4
POLI SCI 370	Islam and Politics	3-4

CAPSTONE COURSE

Code	Title	Credits
Complete one course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ASIAN 682	Senior Honors Thesis (must be enrolled in Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	2-3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4
South Asian Language Course	4	Science Breadth	4
ASIAN 100 (Required Introductory Course)	3	Ethnic Studies Course	3
INTER-LS 145	1	South Asian Language Course	4
South Asian Studies Elective	3		
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4	Science Breadth	4
Science Breadth	3	South Asian Language Course	4
South Asian Language Course	4	Communication B	3
ASIAN 252 (South Asian Studies Elective)	3	ASIAN/RELIG ST 306 (South Asian Studies Course)	3
INTER-LS 210	1	INTL ST 275	1
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Science Breadth	3	INTER-LS 215	3
Social Science Breadth	3	Elective (Intermediate/ Advanced level)	4
Literature Breadth	3	South Asian Studies Elective	3
South Asian Studies Elective	3	Literature Breadth	3
Elective (Intermediate/ Advanced level)	3	ASIAN 699 (Optional, may be required for Honors in the Major)	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
South Asian Advanced Language (optional)	3	ASIAN 682 or 692 (Optional, or may be required for Honors in the Major)	3
South Asian Studies Elective	3	Electives (Intermediate/ Advanced level)	8
Electives (Intermediate/ Advanced level)	6	South Asian Studies Elective	3
ASIAN 681 or 691 (Optional, may be required for Honors in the Major)	3		
	15		**14**

Total Credits 120

ASIAN LANGUAGES AND CULTURES: SOUTHEAST ASIAN STUDIES

The Southest Asian Studies named option offers a multidisciplinary range of courses that explore the diverse and vibrant cultures, arts, histories, political systems, and literatures of Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam. Students in the Southeast Asian option can study Burmese, Filipino, Hmong, Indonesian, Khmer, Thai, and Vietnamese language; and probe Human rights in Thailand; explore literature of the region; and history and politics in Southeast Asia.

To take advantage of the Department of Asian Languages and Cultures' many relationships with other departments and program units across campus, students may choose to double major or enhance their studies in Asian Languages and Cultures with one of the certificates offered at the university, such as the certificate in Global Health (p. 147), the certificate in Health and the Humanities (p. 977), or those offered by the area studies centers: Center for East Asian Studies (https://eastasia.wisc.edu/); Center for South Asia (https://southasia.wisc.edu/); and Center for Southeast Asian Studies (https://seasia.wisc.edu/).

This major is interdisciplinary and offers a wealth of options. Careful planning and consultation with the Asian Languages and Cultures advisor is especially important.

REQUIREMENTS

REQUIREMENTS FOR THE SOUTHEAST ASIAN OPTION

32 credits to include the Introductory and Residence and Quality of Work requirements of the general major, plus these requirements specific to the Southeast Asian Option:

GATEWAY COURSE

Code	Title	Credits
Required Course:		
ASIAN 100	Gateway to Asia: Special Topics	3

REQUIRED LANGUAGE COURSES

Code	Title	Credits
Complete Second Year Southeast Asian language courses:		
ASIALANG 229 & ASIALANG 230	Third Semester Thai and Fourth Semester Thai	8
ASIALANG 223 & ASIALANG 224	Third Semester Filipino and Fourth Semester Filipino	8
ASIALANG 225 & ASIALANG 226	Third Semester Hmong and Fourth Semester Hmong	8
ASIALANG 227 & ASIALANG 228	Third Semester Indonesian and Fourth Semester Indonesian	8
ASIALANG 231 & ASIALANG 232	Third Semester Vietnamese and Fourth Semester Vietnamese	8

SOUTHEAST ASIAN STUDIES COURSES

Code	Title	Credits
Complete six classes from the following course options (at least 16 credits):		
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN 403	Southeast Asian Literature	3
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	3-4
ASIALANG 323	Fifth Semester Filipino	3
ASIALANG 324	Sixth Semester Filipino	3
ASIALANG 325	Fifth Semester Hmong	3
ASIALANG 326	Sixth Semester Hmong	3
ASIALANG 348	Fifth Semester Indonesian	3-4
ASIALANG 328	Sixth Semester Indonesian	3-4
ASIALANG 329	Fifth Semester Thai	3
ASIALANG 330	Sixth Semester Thai	3
ASIALANG 331	Fifth Semester Vietnamese	3
ASIALANG 332	Sixth Semester Vietnamese	3
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
POLI SCI 323	Islam and World Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 370	Islam and Politics	3-4

Capstone Course

Code	Title	Credits
Complete one course (at least 3 credits):		
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3

ASIAN 682	Senior Honors Thesis (must be enrolled in Honors in the Major)	3
ASIAN 692	Senior Thesis (must have permission from faculty)	3
ASIAN 699	Directed Study (must have permission from faculty)	2-3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4
Southeast Asian Language Course	4	Science Breadth	4
ASIAN 100	4	Ethnic Studies Course	4
Social Science Breadth	4	Southeast Asian Language Course	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS) or Electives (Intermediate/Advanced level)	4	Science Breadth	4
Science Breadth	4	Southeast Asian Language Course	4
Southeast Asian Language Course	4	Communication B	3
Southeast Asian Studies Course	4	Southeast Asian Studies Course	3
		INTL ST 275	1
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Science Breadth	4	INTER-LS 215	3
Southeast Asian Studies Course	4	GEOG 358	3
Southeast Asian Studies Course	4	ASIAN/HISTORY 319	3
Literature Breadth	3	ASIAN 699 (Optional, may be required for Honors in the Major)	3
	15		**12**

Fourth Year

Fall	Credits	Spring	Credits
Southeast Asian Studies Course	3	Southeast Asian Studies Course	3
Electives (Intermediate/Advanced level)	6	ASIAN 682 or 692	3
Southeast Asian Advanced Language Course (Optional)	3	Electives (Intermediate/Advanced level)	6
ASIAN 681 or 691	3	Southeast Asian Advanced Language Course (Optional)	3
	15		**15**

Total Credits 120

CHINESE PROFESSIONAL COMMUNICATION, CERTIFICATE

The Certificate in Chinese Professional Communication provides students with the opportunity to develop proficiency in Chinese while pursuing majors in other subjects across the university. It emphasizes the development of communication skills that are applicable to various professional contexts that students may encounter in their future careers.

STUDY ABROAD

Students may receive residence credit for study abroad through a variety of different programs in China, Taiwan, Singapore, and other countries through UW–Madison's Study Abroad Programs (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/chinese/).

Students may also receive credit, or gain experience, through various internship opportunities abroad. Please contact International Internship Programs (http://internships.international.wisc.edu/) for details.

HOW TO GET IN

HOW TO GET IN

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Chinese. For more information, see the department's website (https://alc.wisc.edu/languages/placement-tests/).

DECLARING THE CERTIFICATE

Declaring the certificate is as easy as meeting with the undergraduate advisor and making an appointment to review requirements and discuss course plans on Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule). Students may declare the certificate at any point in their language study.

Students declared in the Chinese major are not eligible to declare the Chinese Professional Communication certificate.

Chinese Language Requisites

Code	Title	Credits
ASIALANG 101	First Semester Chinese	4
ASIALANG 102	Second Semester Chinese	4
ASIALANG 201	Third Semester Chinese	4
ASIALANG 202	Fourth Semester Chinese	4

REQUIREMENTS

REQUIREMENTS

15 credits distributed as follows:

Code	Title	Credits
Required Language Course		
ASIALANG 379	Business Chinese	3
Advanced Chinese Language Courses (complete 3 courses from options below):		**9**
ASIALANG 301	Fifth Semester Chinese	
ASIALANG 302	Sixth Semester Chinese	
ASIALANG 378	Chinese Conversation	
ASIALANG 454	Advanced Chinese through Media	
ASIALANG 457	Advanced Chinese: Reading and Writing	
Chinese Studies Course (complete one):		**3**
ASIAN/ HISTORY 103	Introduction to East Asian History: China	
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	
ASIAN/SOC 334	Gender, Work, and Family in East Asia	
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	
ASIAN/ HISTORY 341	History of Modern China, 1800-1949	
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	
ASIAN 351	Survey of Classical Chinese Literature	
ASIAN 352	Survey of Modern Chinese Literature	
ASIAN/ HISTORY 363	China and World War II in Asia	
ASIAN 371	Topics in Chinese Literature	
ASIAN 372	Topics in Chinese: Study Abroad	
ASIAN 375	Survey of Chinese Film	
ASIAN 432	Introduction to Chinese Linguistics	
ASIAN 631	History of the Chinese Language	
ASIAN 632	Studies in Chinese Linguistics	
ASIAN 641	History of Chinese Literature I	
ASIAN 642	History of Chinese Literature II	
ASIAN 672	Studies in Chinese Fiction	
ASIALANG 311	First Semester Classical Chinese	
ASIALANG 312	Second Semester Classical Chinese	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
HISTORY 145	America and China, 1776-Today	
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	
LITTRANS 261	Survey of Chinese Literature in Translation	
POLI SCI 324	Chinese Politics	
POLI SCI 346	China in World Politics	
THEATRE 526	The Theatres of China and Japan	
Total Credits		**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 8 certificate credits must be completed in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain in the target language their academic and professional experiences, and articulate their career objectives, both in writing and speaking.
2. Manage basic everyday workplace (face-to-face, telephone, and email) communications in the target language (e.g., greeting, introducing oneself, making/changing appointments, making and receiving requests, obtaining permission, reporting, thanking, apologizing).
3. With preparation, deliver a clear, concise, and connected presentation in the target language, with the effective use of visual images, on a subject they researched through online resources and/or interviews.
4. Demonstrate an awareness of the significance of honorific and formulaic expressions and etiquette observed in the workplace within the target culture, which can be applied to their life-long learning.
5. Demonstrate an awareness of diverse cultural perspectives, which may influence business and other professional practices, and a disposition to approach unfamiliar contexts with an open mind.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UNDERGRADUATE RESEARCH

Students in the Department of Asian Languages and Cultures' academic programs are encouraged to become engaged in undergraduate research. There are numerous programs (https://teachlearn.provost.wisc.edu/initiatives-and-programs/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (https://mcnair.wisc.edu/)
- Summer Research Programs (https://grad.wisc.edu/diversity/summer-research-opportunity-program/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- The Wisconsin Idea Undergraduate Fellowship Program (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

DEPARTMENT SCHOLARSHIPS

The Department of Asian Languages and Cultures has various scholarships to support meritorious students in our programs. Application information and deadlines (https://alc.wisc.edu/undergraduate-studies/department-scholarships/).

Chinese Language Learners Bridge Fund

Chinese Major Alumni Jarrett Wiesolek (Class of 2011) and Ali Dibble (Class of 2012) launched the Bridge Fund in 2016. CLLBF is designed to award scholarships to students who are passionate about learning Chinese and building bridges between UW–Madison and China.

Chou Kuo-p'ing Book Award

Several awards will be given each year to undergraduate students who are studying and will continue to study Chinese during the following semester. This award is made possible through a donation by Professor Emerita Chou Kuo-p'ing, the founder of the Chinese program here at the University of Wisconsin–Madison. Professor Chou, a dedicated teacher, devoted her entire career to teaching, promoting, and developing Chinese studies in Wisconsin. Professor Chou was very active during her teaching career and often helped financially disadvantaged students, especially those who excelled in their academic careers despite economic difficulties. Although this award is based mainly on the applicant's academic performance, special consideration is given to those who are financially disadvantaged in order to carry on this tradition.

Ellen and William E. Fisher Scholarship

Ellen and William E. Fisher have provided funding for an annual scholarship to be awarded to an undergraduate student at UW–Madison who is studying the Chinese language. According to the terms of the gift agreement, the award is based on merit, therefore there is no application, but faculty will make a determination based on students progressing in the program. Mr. Fisher stipulated that the award must be made in the fall semester so that the recipient can use it in the Spring semester.

Gwang-Tsai Chen Award

Professor Sabina Knight established this scholarship in honor of Gwang-Tsai (Arthur) Chen, Emeritus Professor of East Asian Languages and Literature at UW–Madison. The scholarship recognizes a rising undergraduate Chinese major. Student eligibility: must be a non-heritage language learner, freshman or sophomore standing, a GPA above 3.5.

Lawrence Louey Merit Scholarship

The Lawrence Louey Merit Scholarship is an annual competition recognizing an undergraduate Chinese major in the Department of Asian

Languages and Cultures. Eligibility: You must be a graduating senior with a GPA above 3.75 and have taken at least three years of Chinese. An application is required for consideration, including a brief career plan, as well as a research paper from one of your major field courses.

CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships (https://flas.wisc.edu/)

East Asian Studies FLAS Coordinator: Laurie Dennis, Assistant Director, ldennis@wisc.edu (ldennis@international.wisc.edu), 325 Ingraham Hall

FLAS fellowships are funded by the U.S. Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/), and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

Applicants must be U.S. citizens or permanent residents of the United States. Applications by students in professional fields are encouraged. Preference will be given to applicants with a high level of academic ability and with previous language training. Academic Year and Summer FLAS awards are **two separate competitions** requiring **two separate and complete applications**.

Scholarships@UW–Madison (https://scholarships.wisc.edu/Scholarships/)

This is the primary campus-wide portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)

We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership – activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (https://borenawards.org/)

Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)).

Critical Language Scholarship Program (http://www.clscholarship.org/)

Campus Representative: Mark Lilleleht, Assistant Director for Awards at awards@iris.wisc.edu

The CLS program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully-funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and to build relationships between the people of the United States and other countries, CLS provides opportunities to a diverse range of students from across the United States at every level of language learning.

The fourteen CLS languages are: Arabic, Azerbaijani, Bangla, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Punjabi, Russian, Swahili, Turkish, and Urdu.

The CLS Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts, and humanities are encouraged to apply.

Gilman Scholarship Program (https://www.iie.org/Programs/Gilman-Scholarship-Program/)

Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu), Advisor, International Academic Programs

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

CHINESE, BA

The Chinese major offers students a range of courses and activities which impart an understanding of the culture and civilization of China. With the completion of three years of the language, students will be prepared to to communicate effectively in written and spoken Chinese. Most majors pursue advanced studies in Chinese linguistics or literature, while others combine an interest in China with a degree in business, education, engineering or journalism.

Visit our website (https://alc.wisc.edu/undergraduate-studies/undergraduate-studies-in-chinese/) for more information about the undergraduate studies in Chinese.

STUDY ABROAD

Students may receive residence credit for study abroad through a variety of different programs in China, Taiwan, Singapore, and other countries through UW–Madison's Study Abroad Programs (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/chinese/).

Students may also receive credit, or gain experience, through various internship opportunities abroad. Please contact International Internship Programs (http://internships.international.wisc.edu/) for details.

STARTING COURSEWORK TOWARD THE MAJOR

Students may declare the Chinese major at any time. Before declaring the major, students may begin coursework to explore the language and fields of interest. Those students who have studied Chinese prior to coming to UW–Madison will have to take a placement test (https://alc.wisc.edu/placement-tests/) to determine the best class to enroll in on campus.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Chinese Professional Communication certificate may not be declared in the Chinese major at the same time. Students who do wish to declare the Chinese major must first cancel their declaration in the Chinese Professional Communication certificate.

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Chinese. For more information, see the department's website. (https://alc.wisc.edu/languages/placement-tests/)

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Chinese Language Requisites		
ASIALANG 101	First Semester Chinese	4
ASIALANG 102	Second Semester Chinese	4
ASIALANG 201	Third Semester Chinese	4
ASIALANG 202	Fourth Semester Chinese	4
Required Chinese Language Course		
ASIALANG 301	Fifth Semester Chinese	4
Advanced Chinese Language Courses (complete 3 courses from the options below):		**9**
ASIALANG 302	Sixth Semester Chinese	
ASIALANG 311	First Semester Classical Chinese	
ASIALANG 312	Second Semester Classical Chinese	
ASIALANG 378	Chinese Conversation	
ASIALANG 379	Business Chinese	
ASIALANG 454	Advanced Chinese through Media	
ASIALANG 457	Advanced Chinese: Reading and Writing	
ASIALANG 475	Advanced Topics in Asian Translation	
Chinese Studies Courses		
Introductory Course (complete one):		*3*
ASIAN/ HISTORY 103	Introduction to East Asian History: China	
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	
HISTORY 145	America and China, 1776-Today	
LITTRANS 261	Survey of Chinese Literature in Translation	
Intermediate Courses (complete 3 courses from the options below):		*9*
ASIAN/SOC 334	Gender, Work, and Family in East Asia	
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	
ASIAN/ HISTORY 341	History of Modern China, 1800-1949	
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	
ASIAN 351	Survey of Classical Chinese Literature	
ASIAN 352	Survey of Modern Chinese Literature	
ASIAN/ HISTORY 363	China and World War II in Asia	
ASIAN 371	Topics in Chinese Literature	
ASIAN 372	Topics in Chinese: Study Abroad	
ASIAN 375	Survey of Chinese Film	
ASIAN 432	Introduction to Chinese Linguistics	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ED POL 245	Education in East Asia	
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	
POLI SCI 324	Chinese Politics	
POLI SCI 328	Politics of East and Southeast Asia	
POLI SCI 346	China in World Politics	
THEATRE 526	The Theatres of China and Japan	
Capstone Course (complete one):		*3*
ASIAN 631	History of the Chinese Language	
ASIAN 632	Studies in Chinese Linguistics	
ASIAN 633	Chinese Applied Linguistics	
ASIAN 641	History of Chinese Literature I	
ASIAN 642	History of Chinese Literature II	
ASIAN 672	Studies in Chinese Fiction	
ASIAN 682	Senior Honors Thesis	
ASIAN 692	Senior Thesis	
ASIAN 699	Directed Study	
Total Credits		**44**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, in residence
- 15 credits in the major, taken on campus

UPPER-LEVEL COURSES IN THE MAJOR:

Code	Title	Credits
ASIAN 300	Topics in Asian Studies	3
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4

ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 360	Topics in Asian Literature	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 371	Topics in Chinese Literature	3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 375	Survey of Chinese Film	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 631	History of the Chinese Language	3
ASIAN 632	Studies in Chinese Linguistics	3
ASIAN 633	Chinese Applied Linguistics	3
ASIAN 641	History of Chinese Literature I	3
ASIAN 642	History of Chinese Literature II	3
ASIAN 672	Studies in Chinese Fiction	3
ASIAN 681	Senior Honors Thesis	3
ASIAN 682	Senior Honors Thesis	3
ASIAN 691	Senior Thesis	3
ASIAN 692	Senior Thesis	3
ASIAN 698	Directed Study	2-3
ASIAN 699	Directed Study	2-3
ASIALANG 301	Fifth Semester Chinese	4
ASIALANG 302	Sixth Semester Chinese	4
ASIALANG 311	First Semester Classical Chinese	3
ASIALANG 312	Second Semester Classical Chinese	3
ASIALANG 378	Chinese Conversation	3
ASIALANG 379	Business Chinese	3
ASIALANG 454	Advanced Chinese through Media	3
ASIALANG 457	Advanced Chinese: Reading and Writing	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4
THEATRE 526	The Theatres of China and Japan	3

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Chinese undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all courses accepted in the major
- Complete the following coursework, with a grade of B or better:
  - Either ASIAN 699 or another Capstone course (see list above) of 3–4 credits (excluding ASIAN 681 or ASIAN 682 or ASIAN 692) with the professor under whose guidance a student intends to write a thesis. This course must be taken before ASIAN 681.
    - Students who complete ASIAN 699 for the Capstone requirement will follow the department procedure for obtaining consent to enroll in a Senior Honors Thesis supervised by the faculty. Students must contact the undergraduate advisor for this major to initiate this process.
  - A two-semester Senior Honors Thesis in ASIAN 681 and ASIAN 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the content and cultural context of written texts and audiovisual materials with a large degree of independence, adapting style and speed of comprehension to different texts and purposes, and using appropriate reference sources selectively.
2. Spontaneously exchange ideas about various topics with relative ease.
3. State and support one’s own opinion while acknowledging others’ viewpoints.
4. Demonstrate an awareness of the importance of pragmatic, sociolinguistic, and rhetorical features of the target language.

5. Conduct library and/or internet-based research on topics relating to their particular interests and special fields of expertise, collecting and selecting relevant information using English and target language source materials.
6. Synthesize and critically evaluate source materials in both English and the target language.
7. Present (orally or in written language) their experiences and their introspection on these experiences in a coherent and effective manner.
8. Demonstrate cultural awareness across historical epochs.
9. Produce effective academic writing in English.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
ASIAN 100 (Humanities)	3-4	ASIALANG 102	4
ASIALANG 101	4	ASIAN/HISTORY/ POLI SCI 255 (Humanities or Social Science)	3-4
Communication A	3	Quantitative Reasoning A	3-4
Biological Science Breadth	3-4	Science Breadth	3-4
	15		**16**

Second Year

Fall	Credits	Spring	Credits
ASIALANG 201	4	ASIALANG 202	4
ASIAN/RELIG ST 236 (Com B)	3	ASIAN/HISTORY 341 (Humanities or Social Science)	3-4
ASIAN 351 (Literature)	3	Physical Science Breadth	3-4
Quantitative Reasoning B	3-4	Elective	3-4
	14		**13**

Third Year

Fall	Credits	Spring	Credits
ASIALANG 301	4	ASIALANG 454	3
ASIAN 371	3	ASIAN 432	3
Science Breadth	3	ASIAN 352 (Literature)	3
Elective	3-4	Elective	3-9
	14		**18**

Fourth Year

Fall	Credits	Spring	Credits
ASIALANG 378	3	ASIALANG 457	3
ASIAN 375	3	ASIAN 631	3
ASIAN 630	3	Electives	3-9
Elective	3-6		
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with a Chinese major should enter the University with a minimum of 26 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- First year Chinese (ASIALANG 101 and ASIALANG 102) – All students are required to take a placement test in Chinese to assess their prior experience in the language. Students should register for a date (https://alc.wisc.edu/languages/placement-tests/) prior to their SOAR visit.
- Communication Part A
- Quantitative Reasoning Part A
- 6 combined credits of Biological, Natural, or Physical Science

First Year

Fall	Credits	Spring	Credits
ASIALANG 201	4	ASIALANG 202	4
ASIAN/HISTORY/ POLI SCI 255	4	ASIAN/RELIG ST 236 (meets Communication B)	3
Quantitative Reasoning B	4	ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244 (meets Ethnic Studies requirement)	4
Biological Science Breadth	4	Physical Science Breadth	4
	16		**15**

Total Credits 31

SUMMER ONE [OPTIONAL]

Summer terms present an opportunity for students to make progress toward remaining L&S Breadth and General Education Requirements. Other options for academic enrichment or career exploration might include study abroad (https://studyabroad.wisc.edu/) or international internships (https://internships.international.wisc.edu/).

Total Credits: 4-8

Second Year

Fall	Credits	Spring	Credits
ASIALANG 301	4	ASIALANG 302	4
ASIAN 351	3	ASIAN 352	3
ASIAN 375	3	POLI SCI 346	4
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (if BA)	3	ASIAN 699 (or Elective, Intermediate or Advanced level)	4
Elective	4		
	17		**15**

Total Credits 32

SUMMER TWO [OPTIONAL]

Code	Title	Credits
Choose one:		3
INTL ST 523	International Internship (For International Internship)	
ASIAN 699	Directed Study	
Elective		
Total Credits		**3**

Third Year

Fall	Credits	Spring	Credits
ASIALANG 378	3	ASIALANG 454	3
HISTORY/ASIAN 341	4	ASIAN 630	3
ASIAN 681 (or Elective, Intermediate or Advanced level)	3	ASIAN 682	3
Elective (Intermediate or Advanced level)	3	Elective (Intermediate or Advanced level)	6
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced) (if BA)	3		
	16		**15**

Total Credits 31

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

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- Summer Research Programs (https://grad.wisc.edu/diversity/summer-research-opportunity-program/)
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Gwang-Tsai Chen Award

Professor Sabina Knight established this scholarship in honor of Gwang-Tsai (Arthur) Chen, Emeritus Professor of East Asian Languages and Literature at UW–Madison. The scholarship recognizes a rising undergraduate Chinese major. Student eligibility: must be a non-heritage language learner, freshman or sophomore standing, a GPA above 3.5.

Lawrence Louey Merit Scholarship

The Lawrence Louey Merit Scholarship is an annual competition recognizing an undergraduate Chinese major in the Department of Asian Languages and Cultures. Eligibility: You must be a graduating senior with a GPA above 3.75 and have taken at least three years of Chinese. An application is required for consideration, including a brief career plan, as well as a research paper from one of your major field courses.

CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships (https://flas.wisc.edu/)

East Asian Studies FLAS Coordinator: Laurie Dennis, Assistant Director, ldennis@wisc.edu (ldennis@international.wisc.edu), 325 Ingraham Hall

FLAS fellowships are funded by the U.S. Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/), and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

Applicants must be U.S. citizens or permanent residents of the United States. Applications by students in professional fields are encouraged. Preference will be given to applicants with a high level of academic ability and with previous language training. Academic Year and Summer FLAS awards are **two separate competitions** requiring **two separate and complete applications**.

Scholarships@UW–Madison (https://scholarships.wisc.edu/Scholarships/)

This is the primary campus-wide portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)

We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership — activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (https://borenawards.org/)

Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)).

Critical Language Scholarship Program (http://www.clscholarship.org/)

Campus Representative: Mark Lilleleht, Assistant Director for Awards at awards@iris.wisc.edu

The CLS program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully-funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and to build relationships between the people of the United States and other countries, CLS provides opportunities to a diverse range of students from across the United States at every level of language learning.

The fourteen CLS languages are: Arabic, Azerbaijani, Bangla, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Punjabi, Russian, Swahili, Turkish, and Urdu.

The CLS Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts, and humanities are encouraged to apply.

Gilman Scholarship Program (https://www.iie.org/Programs/Gilman-Scholarship-Program/)

Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu), Advisor, International Academic Programs

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

CHINESE, BS

The Chinese major offers students a range of courses and activities which impart an understanding of the culture and civilization of China. With the completion of three years of the language, students will be prepared to to communicate effectively in written and spoken Chinese. Most majors pursue advanced studies in Chinese linguistics or literature, while others combine an interest in China with a degree in business, education, engineering or journalism.

Visit our website (https://alc.wisc.edu/undergraduate-studies/undergraduate-studies-in-chinese/) for more information about the undergraduate studies in Chinese.

STUDY ABROAD

Students may receive residence credit for study abroad through a variety of different programs in China, Taiwan, Singapore, and other countries through UW–Madison's Study Abroad Programs (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/chinese/).

Students may also receive credit, or gain experience, through various internship opportunities abroad. Please contact International Internship Programs (http://internships.international.wisc.edu/) for details.

STARTING COURSEWORK TOWARD THE MAJOR

Students may declare the Chinese major at any time. Before declaring the major, students may begin coursework to explore the language and fields of interest. Those students who have studied Chinese prior to coming to UW–Madison will have to take a placement test (https://alc.wisc.edu/placement-tests/) to determine the best class to enroll in on campus.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Chinese Professional Communication certificate may not be declared in the Chinese major at the same time. Students who do wish to declare the Chinese major must first cancel their declaration in the Chinese Professional Communication certificate.

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Chinese. For more information, see the department's website. (https://alc.wisc.edu/languages/placement-tests/)

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Chinese Language Requisites		
ASIALANG 101	First Semester Chinese	4
ASIALANG 102	Second Semester Chinese	4
ASIALANG 201	Third Semester Chinese	4
ASIALANG 202	Fourth Semester Chinese	4
Required Chinese Language Course		
ASIALANG 301	Fifth Semester Chinese	4
Advanced Chinese Language Courses (complete 3 courses from the options below):		**9**
ASIALANG 302	Sixth Semester Chinese	
ASIALANG 311	First Semester Classical Chinese	
ASIALANG 312	Second Semester Classical Chinese	
ASIALANG 378	Chinese Conversation	
ASIALANG 379	Business Chinese	
ASIALANG 454	Advanced Chinese through Media	
ASIALANG 457	Advanced Chinese: Reading and Writing	
ASIALANG 475	Advanced Topics in Asian Translation	
Chinese Studies Courses		
Introductory Course (complete one):		*3*
ASIAN/ HISTORY 103	Introduction to East Asian History: China	
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	
HISTORY 145	America and China, 1776-Today	
LITTRANS 261	Survey of Chinese Literature in Translation	
Intermediate Courses (complete 3 courses from the options below):		*9*
ASIAN/SOC 334	Gender, Work, and Family in East Asia	
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	
ASIAN/ HISTORY 341	History of Modern China, 1800-1949	
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	
ASIAN 351	Survey of Classical Chinese Literature	
ASIAN 352	Survey of Modern Chinese Literature	
ASIAN/ HISTORY 363	China and World War II in Asia	
ASIAN 371	Topics in Chinese Literature	
ASIAN 372	Topics in Chinese: Study Abroad	

ASIAN 375	Survey of Chinese Film	
ASIAN 432	Introduction to Chinese Linguistics	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ED POL 245	Education in East Asia	
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	
POLI SCI 324	Chinese Politics	
POLI SCI 328	Politics of East and Southeast Asia	
POLI SCI 346	China in World Politics	
THEATRE 526	The Theatres of China and Japan	
Capstone Course (complete one):		*3*
ASIAN 631	History of the Chinese Language	
ASIAN 632	Studies in Chinese Linguistics	
ASIAN 633	Chinese Applied Linguistics	
ASIAN 641	History of Chinese Literature I	
ASIAN 642	History of Chinese Literature II	
ASIAN 672	Studies in Chinese Fiction	
ASIAN 682	Senior Honors Thesis	
ASIAN 692	Senior Thesis	
ASIAN 699	Directed Study	
Total Credits		**44**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, in residence
- 15 credits in the major, taken on campus

UPPER-LEVEL COURSES IN THE MAJOR:

Code	Title	Credits
ASIAN 300	Topics in Asian Studies	3
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 360	Topics in Asian Literature	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 371	Topics in Chinese Literature	3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 375	Survey of Chinese Film	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 631	History of the Chinese Language	3
ASIAN 632	Studies in Chinese Linguistics	3
ASIAN 633	Chinese Applied Linguistics	3
ASIAN 641	History of Chinese Literature I	3
ASIAN 642	History of Chinese Literature II	3
ASIAN 672	Studies in Chinese Fiction	3
ASIAN 681	Senior Honors Thesis	3
ASIAN 682	Senior Honors Thesis	3
ASIAN 691	Senior Thesis	3
ASIAN 692	Senior Thesis	3
ASIAN 698	Directed Study	2-3
ASIAN 699	Directed Study	2-3
ASIALANG 301	Fifth Semester Chinese	4
ASIALANG 302	Sixth Semester Chinese	4
ASIALANG 311	First Semester Classical Chinese	3
ASIALANG 312	Second Semester Classical Chinese	3
ASIALANG 378	Chinese Conversation	3
ASIALANG 379	Business Chinese	3
ASIALANG 454	Advanced Chinese through Media	3
ASIALANG 457	Advanced Chinese: Reading and Writing	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4
THEATRE 526	The Theatres of China and Japan	3

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Chinese undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all courses accepted in the major
- Complete the following coursework, with a grade of B or better:
  - Either ASIAN 699 or another Capstone course (see list above) of 3–4 credits (excluding ASIAN 681 or ASIAN 682 or ASIAN 692) with the professor under whose guidance a student intends to write a thesis. This course must be taken before ASIAN 681.
    - Students who complete ASIAN 699 for the Capstone requirement will follow the department procedure for obtaining consent to enroll in a Senior Honors Thesis supervised by the faculty. Students must contact the undergraduate advisor for this major to initiate this process.
  - A two-semester Senior Honors Thesis in ASIAN 681 and ASIAN 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the content and cultural context of written texts and audiovisual materials with a large degree of independence, adapting style and speed of comprehension to different texts and purposes, and using appropriate reference sources selectively.
2. Spontaneously exchange ideas about various topics with relative ease.
3. State and support one’s own opinion while acknowledging others’ viewpoints.
4. Demonstrate an awareness of the importance of pragmatic, sociolinguistic, and rhetorical features of the target language.
5. Conduct library and/or internet-based research on topics relating to their particular interests and special fields of expertise, collecting and selecting relevant information using English and target language source materials.
6. Synthesize and critically evaluate source materials in both English and the target language.
7. Present (orally or in written language) their experiences and their introspection on these experiences in a coherent and effective manner.
8. Demonstrate cultural awareness across historical epochs.
9. Produce effective academic writing in English.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
ASIAN 100 (Humanities)	3-4	ASIALANG 102	4
ASIALANG 101	4	ASIAN/HISTORY/ POLI SCI 255 (Humanities or Social Science)	3-4
Communication A	3	Quantitative Reasoning A	3-4
Biological Science Breadth	3-4	Science Breadth	3-4
	15		**16**

Second Year

Fall	Credits	Spring	Credits
ASIALANG 201	4	ASIALANG 202	4
ASIAN/RELIG ST 236 (Com B)	3	ASIAN/HISTORY 341 (Humanities or Social Science)	3-4
ASIAN 351 (Literature)	3	Physical Science Breadth	3-4
Quantitative Reasoning B	3-4	Elective	3-4
	14		**13**

Third Year

Fall	Credits	Spring	Credits
ASIALANG 301	4	ASIALANG 454	3
ASIAN 371	3	ASIAN 432	3
Science Breadth	3	ASIAN 352 (Literature)	3
Elective	3-4	Elective	3-9
	14		**18**

Fourth Year

Fall	Credits	Spring	Credits
ASIALANG 378	3	ASIALANG 457	3
ASIAN 375	3	ASIAN 631	3
ASIAN 630	3	Electives	3-9
Elective	3-6		
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with a Chinese major should enter the University with a minimum of 26 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- First year Chinese (ASIALANG 101 and ASIALANG 102) – All students are required to take a placement test in Chinese to assess their prior experience in the language. Students should register for a date (https://alc.wisc.edu/languages/placement-tests/) prior to their SOAR visit.
- Communication Part A
- Quantitative Reasoning Part A
- 6 combined credits of Biological, Natural, or Physical Science

First Year

Fall	Credits	Spring	Credits
ASIALANG 201	4	ASIALANG 202	4
ASIAN/HISTORY/ POLI SCI 255	4	ASIAN/RELIG ST 236 (meets Communication B)	3
Quantitative Reasoning B	4	ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244 (meets Ethnic Studies requirement)	4
Biological Science Breadth	4	Physical Science Breadth	4
	16		**15**

Total Credits 31

SUMMER ONE [OPTIONAL]

Summer terms present an opportunity for students to make progress toward remaining L&S Breadth and General Education Requirements. Other options for academic enrichment or career exploration might include study abroad (https://studyabroad.wisc.edu/) or international internships (https://internships.international.wisc.edu/).

Total Credits: 4-8

Second Year

Fall	Credits	Spring	Credits
ASIALANG 301	4	ASIALANG 302	4
ASIAN 351	3	ASIAN 352	3
ASIAN 375	3	POLI SCI 346	4
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (if BA)	3	ASIAN 699 (or Elective, Intermediate or Advanced level)	4
Elective	4		
	17		**15**

Total Credits 32

SUMMER TWO [OPTIONAL]

Code	Title	Credits
Choose one:		3
INTL ST 523	International Internship (For International Internship)	
ASIAN 699	Directed Study	
Elective		
Total Credits		**3**

Third Year

Fall	Credits	Spring	Credits
ASIALANG 378	3	ASIALANG 454	3
HISTORY/ASIAN 341	4	ASIAN 630	3
ASIAN 681 (or Elective, Intermediate or Advanced level)	3	ASIAN 682	3
Elective (Intermediate or Advanced level)	3	Elective (Intermediate or Advanced level)	6
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced) (if BA)	3		
	16		**15**

Total Credits 31

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with

your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UNDERGRADUATE RESEARCH

Students in the Department of Asian Languages and Cultures' academic programs are encouraged to become engaged in undergraduate research. There are numerous programs (https://teachlearn.provost.wisc.edu/initiatives-and-programs/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (https://mcnair.wisc.edu/)
- Summer Research Programs (https://grad.wisc.edu/diversity/summer-research-opportunity-program/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- The Wisconsin Idea Undergraduate Fellowship Program (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

DEPARTMENT SCHOLARSHIPS

The Department of Asian Languages and Cultures has various scholarships to support meritorious students in our programs. Application information and deadlines (https://alc.wisc.edu/undergraduate-studies/department-scholarships/).

Chinese Language Learners Bridge Fund

Chinese Major Alumni Jarrett Wiesolek (Class of 2011) and Ali Dibble (Class of 2012) launched the Bridge Fund in 2016. CLLBF is designed to award scholarships to students who are passionate about learning Chinese and building bridges between UW–Madison and China.

Chou Kuo-p'ing Book Award

Several awards will be given each year to undergraduate students who are studying and will continue to study Chinese during the following semester. This award is made possible through a donation by Professor Emerita Chou Kuo-p'ing, the founder of the Chinese program here at the University of Wisconsin–Madison. Professor Chou, a dedicated teacher, devoted her entire career to teaching, promoting, and developing Chinese studies in Wisconsin. Professor Chou was very active during her teaching career and often helped financially disadvantaged students, especially those who excelled in their academic careers despite economic difficulties. Although this award is based mainly on the applicant's academic performance, special consideration is given to those who are financially disadvantaged in order to carry on this tradition.

Ellen and William E. Fisher Scholarship

Ellen and William E. Fisher have provided funding for an annual scholarship to be awarded to an undergraduate student at UW–Madison who is studying the Chinese language. According to the terms of the gift agreement, the award is based on merit, therefore there is no application, but faculty will make a determination based on students progressing in the program. Mr. Fisher stipulated that the award must be made in the fall semester so that the recipient can use it in the Spring semester.

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CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships (https://flas.wisc.edu/)

East Asian Studies FLAS Coordinator: Laurie Dennis, Assistant Director, ldennis@wisc.edu (ldennis@international.wisc.edu), 325 Ingraham Hall

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Scholarships@UW–Madison (https://scholarships.wisc.edu/Scholarships/)

This is the primary campus-wide portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)

We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership – activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (https://borenawards.org/)

Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)).

Critical Language Scholarship Program (http://www.clscholarship.org/)

Campus Representative: Mark Lilleleht, Assistant Director for Awards at awards@iris.wisc.edu

The CLS program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully-funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and to build relationships between the people of the United States and other countries, CLS provides opportunities to a diverse range of students from across the United States at every level of language learning.

The fourteen CLS languages are: Arabic, Azerbaijani, Bangla, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Punjabi, Russian, Swahili, Turkish, and Urdu.

The CLS Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts, and humanities are encouraged to apply.

Gilman Scholarship Program (https://www.iie.org/Programs/Gilman-Scholarship-Program/)

Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu), Advisor, International Academic Programs

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

JAPANESE PROFESSIONAL COMMUNICATION, CERTIFICATE

The certificate in Japanese Professional Communication provides students with the opportunity to develop proficiency in Japanese while pursuing majors in other subjects across the university. It emphasizes the development of communication skills that are applicable to various professional contexts that students may encounter in their future careers.

STUDY ABROAD IN JAPAN

Students may receive residence credit for study abroad through a variety of different programs sponsored by the department. Please contact International Academic Programs (https://www.studyabroad.wisc.edu/) for details.

Students may also receive credit, or gain experience, through various internship opportunities abroad. Please contact International Internship Programs (http://internships.international.wisc.edu/) for details.

HOW TO GET IN

HOW TO GET IN

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Japanese. For more information, see the department's website (https://alc.wisc.edu/languages/placement-tests/).

DECLARING THE CERTIFICATE

Declaring the certificate is as easy as meeting with the undergraduate advisor, make an appointment to review requirements and discuss course plans on Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

Students declared in the Japanese major are not eligible to declare the Japanese Professional Communication certificate.

Required Prerequisite Language Courses

Code	Title	Credits
ASIALANG 103	First Semester Japanese	4
or		
ASIALANG 113 & ASIALANG 114	First Semester Elementary Japanese and Second Semester Elementary Japanese	4
and		
ASIALANG 104	Second Semester Japanese	4
ASIALANG 203	Third Semester Japanese	4
ASIALANG 204	Fourth Semester Japanese	4

REQUIREMENTS

REQUIREMENTS

15 credits distributed as follows:

Code	Title	Credits
Business Language Course		
Required course:		
ASIALANG 377	Business Japanese Communication	3
Advanced Japanese Language Courses		**9**
Complete three courses, from:		
ASIALANG 303	Fifth Semester Japanese	
ASIALANG 375	Advanced Japanese: Solidifying the Foundations	
ASIALANG 376	Japanese Conversation	
ASIALANG 451	Advanced Readings in Japanese	
ASIALANG 452	Advanced Japanese through Audio-Visual Media	
Japanese Studies Course		**3**
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	
ASIAN 253	Japanese Popular Culture	
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	
ASIAN/SOC 334	Gender, Work, and Family in East Asia	
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	
ASIAN 354	Early Modern Japanese Literature	
ASIAN 355	Modern Japanese Literature	
ASIAN 357	Japanese Ghost Stories	
ASIAN 358	Language in Japanese Society	
ASIAN 361	Love and Politics: The Tale of Genji	
ASIAN 367	Haiku	
ASIAN 373	Topics in Japanese: Study Abroad	
ASIAN 376	Manga	
ASIAN 378	Anime	
ASIAN 434	Introduction to Japanese Linguistics	
ASIAN 435	Teaching of Japanese	
ASIAN/ HISTORY 454	Samurai: History and Image	
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	
ASIAN 533	Readings in Early Modern Japanese Literature	
ASIAN 563	Readings in Modern Japanese Literature	
ASIAN 573	Readings in Classical Japanese Literature	
ASIALANG 313	Classical Japanese	
ANTHRO 357	Introduction to the Anthropology of Japan	
ART HIST 475	Japanese Ceramics and Allied Arts	
LITTRANS 373	Topics in Japanese Literature	
Total Credits		**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 8 certificate credits must be completed in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain in the target language their academic and professional experiences, and articulate their career objectives, both in writing and speaking.
2. Manage basic everyday workplace (face-to-face, telephone, and email) communications in the target language (e.g., greeting,

introducing oneself, making/changing appointments, making and receiving requests, obtaining permission, reporting, thanking, apologizing).

3. With preparation, deliver a clear, concise, and connected presentation in the target language, with the effective use of visual images, on a subject they researched through online resources and/or interviews.
4. Demonstrate an awareness of the significance of honorific and formulaic expressions and etiquette observed in the workplace within the target culture, which can be applied to their life-long learning.
5. Demonstrate an awareness of diverse cultural perspectives, which may influence business and other professional practices, and a disposition to approach unfamiliar contexts with an open mind.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UNDERGRADUATE RESEARCH

Students in the ALC department academic programs are encouraged to become engaged in undergraduate research. There are numerous programs (https://teachlearn.provost.wisc.edu/initiatives-and-programs/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (http://grad.wisc.edu/mcnair/)
- Summer Research Programs (https://grad.wisc.edu/diversity/srop/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- The Wisconsin Idea Undergraduate Fellowship Program (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

DEPARTMENT SCHOLARSHIPS

The Department of Asian Languages and Cultures has various scholarships to support meritorious students in our programs. Application information and deadlines (https://alc.wisc.edu/undergraduate-studies/department-scholarships/).

OTHER CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships
East Asian Studies FLAS Coordinator: Laurie Dennis, Assistant Director, ldennis@wisc.edu (ldennis@international.wisc.edu), 325 Ingraham Hall

FLAS fellowships are funded by the U.S. Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/) and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

Applicants must be U.S. citizens or permanent residents of the United States. Applications by students in professional fields are encouraged. Preference will be given to applicants with a high level of academic ability and with previous language training. Academic Year and Summer FLAS awards are two separate competitions requiring two separate and complete applications.

Wisconsin Scholarship Hub (https://wisc.academicworks.com/)
This is the primary portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)

We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership — activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (http://borenawards.org/)
Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)).

Critical Language Scholarship Program (http://www.clscholarship.org/)
Campus Representative: Mark Lilleleht, Assistant Director for Awards at awards@iris.wisc.edu

The Critical Language Scholarship Program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and to build relationships between the people of the United States and other countries, the Critical Language Scholarship Program provides opportunities to a diverse range of students from across the United States at every level of language learning. Critical Language Scholarship Program languages are: Arabic, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Portuguese, Russian, Swahili, Turkish, and Urdu.

The Critical Language Scholarship Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts, and humanities are encouraged to apply.

Gilman Scholarship Program
Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu)

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

JAPANESE, BA

The Japanese major offers students a range of courses and activities that enhance students' intercultural and transcultural competencies. With the completion of the four basic years of the language, students will be prepared to handle various types of colloquial Japanese. Students in the major pursue advanced studies in Japanese language or literature. It is also possible to combine an interest in Japan with a degree in business, engineering, history, or international studies.

Before declaring the major, students are urged to begin coursework early, ideally in the freshman or sophomore year. If, however, this is not possible, summer courses at UW–Madison or elsewhere are available which speed the student's progress. Those who have previous Japanese study experience may enter advanced courses on the basis of placement tests (https://alc.wisc.edu/languages/placement-tests/).

STUDY ABROAD IN JAPAN

Students may receive residence credit for study abroad through a variety of programs sponsored by the department. Please contact International Academic Programs (https://www.studyabroad.wisc.edu/) for details.

Students may also receive credit, or gain experience, through various internship opportunities abroad. Please contact International Internship Programs (http://internships.international.wisc.edu/) for details.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Japanese Professional Communication certificate may not be declared in the Japanese major at the same time. Students who do wish to declare the Japanese major must first cancel their declaration in the Japanese Professional Communication certificate.

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Japanese. For more information, see the department's website (https://alc.wisc.edu/languages/placement-tests/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Japanese Language Requisites		
First Semester Japanese (complete one):		*4*
ASIALANG 103	First Semester Japanese	
ASIALANG 113 & ASIALANG 114	First Semester Elementary Japanese and Second Semester Elementary Japanese	
Followed by (complete all):		
ASIALANG 104	Second Semester Japanese	4
ASIALANG 203	Third Semester Japanese	4
ASIALANG 204	Fourth Semester Japanese	4
Required Japanese Language Course		
ASIALANG 303	Fifth Semester Japanese	4
Advanced Japanese Language Courses (complete 3 courses from the options below):		**9**
ASIALANG 313	Classical Japanese	
ASIALANG 375	Advanced Japanese: Solidifying the Foundations	
ASIALANG 376	Japanese Conversation	
ASIALANG 377	Business Japanese Communication	
ASIALANG 451	Advanced Readings in Japanese	
ASIALANG 452	Advanced Japanese through Audio-Visual Media	

Japanese Studies Courses		
Introductory Course (complete one):		*3*
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	
ASIAN 253	Japanese Popular Culture	
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	
Intermediate Courses (complete 3 courses from the options below):		*9*
ASIAN/SOC 334	Gender, Work, and Family in East Asia	
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	
ASIAN 354	Early Modern Japanese Literature	
ASIAN 355	Modern Japanese Literature	
ASIAN 357	Japanese Ghost Stories	
ASIAN 358	Language in Japanese Society	
ASIAN 361	Love and Politics: The Tale of Genji	
ASIAN 367	Haiku	
ASIAN 373	Topics in Japanese: Study Abroad	
ASIAN 376	Manga	
ASIAN 378	Anime	
ASIAN 434	Introduction to Japanese Linguistics	
ASIAN 435	Teaching of Japanese	
ASIAN/ HISTORY 454	Samurai: History and Image	
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	
ASIALANG 313	Classical Japanese	
ANTHRO 357	Introduction to the Anthropology of Japan	
LITTRANS 373	Topics in Japanese Literature	
Capstone Course (complete one):		*3*
ASIAN 533	Readings in Early Modern Japanese Literature	
ASIAN 563	Readings in Modern Japanese Literature	
ASIAN 573	Readings in Classical Japanese Literature	
ASIAN 682	Senior Honors Thesis	
ASIAN 692	Senior Thesis	
ASIAN 699	Directed Study	
Total Credits		**44**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA in 15 upper-level major credits, in residence
- 15 credits in the major, taken on campus

UPPER-LEVEL MAJOR COURSES IN THE MAJOR:

Code	Title	Credits
ASIAN 300	Topics in Asian Studies	3
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 360	Topics in Asian Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN 367	Haiku	3
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ASIAN 533	Readings in Early Modern Japanese Literature	3
ASIAN 563	Readings in Modern Japanese Literature	3
ASIAN 573	Readings in Classical Japanese Literature	3
ASIAN 681	Senior Honors Thesis	3
ASIAN 682	Senior Honors Thesis	3
ASIAN 691	Senior Thesis	3
ASIAN 692	Senior Thesis	3
ASIAN 698	Directed Study	2-3
ASIAN 699	Directed Study	2-3
ASIALANG 303	Fifth Semester Japanese	4
ASIALANG 313	Classical Japanese	3
ASIALANG 376	Japanese Conversation	3
ASIALANG 377	Business Japanese Communication	3
ASIALANG 375	Advanced Japanese: Solidifying the Foundations	3
ASIALANG 451	Advanced Readings in Japanese	3
ASIALANG 452	Advanced Japanese through Audio-Visual Media	3
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 575	Proseminar in Japanese Art	3
LITTRANS 373	Topics in Japanese Literature	3

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all courses accepted in the major
- Complete the following coursework, with a grade of B or better:
  - Either ASIAN 699 or another Capstone course (see list above) of 3–4 credits (excluding ASIAN 681 or ASIAN 682 or ASIAN 692) with the professor under whose guidance a student intends to write a thesis. This course must be taken before ASIAN 681.
    - Students who complete ASIAN 699 for the Capstone requirement will follow the department procedure for obtaining consent to enroll in a Senior Honors Thesis supervised by the faculty. Students must contact the undergraduate advisor for this major to initiate this process.
  - A two-semester Senior Honors Thesis in ASIAN 681 and ASIAN 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the content and cultural context of written texts and video materials with a large degree of independence, adapting style and speed of comprehension to different texts and purposes, and using appropriate reference sources selectively.
2. Spontaneously exchange ideas about various topics with relative ease.
3. State and support one’s own opinion while acknowledging others’ viewpoints.
4. Demonstrate an awareness of the importance of pragmatic, sociolinguistic, and rhetorical features of the target language.
5. Conduct library and/or internet-based research on topics relating to their particular interests and special fields of expertise, collecting and selecting relevant information using English and target language source materials.
6. Synthesize and critically evaluate source materials in both English and the target language.
7. Present (orally or in written language) their experiences and their introspection on these experiences in a coherent and effective manner.
8. Demonstrate cultural awareness across historical epochs.
9. Produce effective academic writing in English.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
ASIALANG 103	4	ASIALANG 104	4
ASIAN 100	3-4	ASIAN/ASIAN AM/ HISTORY 246 (meets Ethnic Studies requirement)	4
Communication A	3	Quantitative Reasoning A	3-4
Biological Science Breadth	3	Science Breadth	3-4
		Students beginning language study this term may start with:	
		ASIALANG 113	
	14		**15**

Second Year

Fall	Credits	Spring	Credits
ASIALANG 203	4	ASIALANG 204 or 104	4
Or students continue with:		ASIAN/RELIG ST 236 (Communication B)	3
ASIALANG 114		ASIAN 253 (Humanities Breadth)	3
ASIAN/HISTORY/ POLI SCI 255 (Social Science Breadth)	3-4	ASIAN 355 (Literature Breadth)	3
Quantitative Reasoning B	3-4	Physical Science Breadth	3-4
Humanities Elective	4		
	14		**16**

Third Year

Fall	Credits	Spring	Credits
ASIALANG 303 or 203	4	ASIALANG 304 or 204	4
ASIAN 376	3	ASIALANG 377	3
ASIAN 367 (Literature Breadth)	3	ASIAN 699	2-3
ASIAN 373	1-6	Science Breadth	3
ASIAN/HISTORY 454	3-4	Elective	3-4
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
ASIALANG 303 (if not yet completed)	4	ASIALANG 304 (if not yet completed)	4
ASIAN 434	3	ASIALANG 475 (Japanese topic only)	3
ASIAN 563	3	ASIAN/HISTORY 456	3-4
ASIAN 691	3	ASIAN 692	3
Electives	3-7	Elective	3-4
	16		**13**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

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ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UNDERGRADUATE RESEARCH

Students in the ALC department academic programs are encouraged to become engaged in undergraduate research. There are numerous programs (https://teachlearn.provost.wisc.edu/initiatives-and-programs/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (http://grad.wisc.edu/mcnair/)
- Summer Research Programs (https://grad.wisc.edu/diversity/srop/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- The Wisconsin Idea Undergraduate Fellowship Program (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

DEPARTMENT SCHOLARSHIPS

The Department of Asian Languages and Cultures has various scholarships to support meritorious students in our programs. Application information and deadlines (https://alc.wisc.edu/undergraduate-studies/department-scholarships/).

Cameron G. Keith Memorial Scholarship

This award is given annually to two undergraduate students studying Japanese. This award is announced during the fall semester, and eligible students may apply. The criteria are: declared in the Japanese major, junior or senior standing, cumulative GPA of 3.500 or higher, currently taking Japanese classes, and plan to go into a Japanese-related profession. Cameron G. Keith was an East Asian Studies and Economics studies major at UW–Madison who studied abroad in Japan, and later in Nepal. In his memory, the Keith family established these funds in honor of his interest in the region.

OTHER CAMPUS RESOURCES

Foreign Language & Area Studies (FLAS) Fellowships

East Asian Studies FLAS Coordinator: Laurie Dennis, Assistant Director, ldennis@wisc.edu (ldennis@international.wisc.edu), 325 Ingraham Hall

FLAS fellowships are funded by the U.S. Department of Education and administered by UW–Madison's National Resource Centers to assist students in acquiring foreign language and either area or international studies competencies. FLAS awards are only available for specific languages (https://flas.wisc.edu/languages/) and are contingent on federal funding. Please direct any questions to the FLAS Coordinator (https://flas.wisc.edu/languages/) of your chosen language.

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Wisconsin Scholarship Hub (https://wisc.academicworks.com/)
This is the primary portal for applicants, current students, and everyone looking for scholarship opportunities on campus.

Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)
We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership – activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

NATIONAL SCHOLARSHIPS

Boren Scholarships (http://borenawards.org/)
Campus Representative: Undergraduates with questions should contact Matt Geisler (mdgeisler@studyabroad.wisc.edu), Associate Director of International Academic Programs

These scholarships provide up to $20,000 to U.S. undergraduate students to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad, including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America, and the Middle East. The countries of Western Europe, Canada, Australia, and New Zealand are excluded. (Full list of preferred countries (https://borenawards.org/eligible-programs/#countries)) Additionally, all programs must include formal study of an appropriate foreign language. (Full list of preferred languages (https://borenawards.org/eligible-programs/#languages)).

Critical Language Scholarship Program (http://www.clscholarship.org/)
Campus Representative: Mark Lilleleht, Assistant Director for Awards at awards@iris.wisc.edu

The Critical Language Scholarship Program is part of the U.S. Department of State, Bureau of Educational and Cultural Affairs. It is a fully funded overseas intensive language and cultural immersion program for American undergraduate and graduate students. With the goal of broadening the base of Americans studying and mastering critical languages and to build relationships between the people of the United States and other countries, the Critical Language Scholarship Program provides opportunities to a diverse range of students from across the United States at every level of language learning. Critical Language Scholarship Program languages are: Arabic, Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Portuguese, Russian, Swahili, Turkish, and Urdu.

The Critical Language Scholarship Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts, and humanities are encouraged to apply.

Gilman Scholarship Program
Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu)

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

JAPANESE, BS

The Japanese major offers students a range of courses and activities that enhance students' intercultural and transcultural competencies. With the completion of the four basic years of the language, students will be prepared to handle various types of colloquial Japanese. Students in the major pursue advanced studies in Japanese language or literature. It is also possible to combine an interest in Japan with a degree in business, engineering, history, or international studies.

Before declaring the major, students are urged to begin coursework early, ideally in the freshman or sophomore year. If, however, this is not possible, summer courses at UW–Madison or elsewhere are available which speed the student's progress. Those who have previous Japanese study experience may enter advanced courses on the basis of placement tests (https://alc.wisc.edu/languages/placement-tests/).

STUDY ABROAD IN JAPAN

Students may receive residence credit for study abroad through a variety of programs sponsored by the department. Please contact International Academic Programs (https://www.studyabroad.wisc.edu/) for details.

Students may also receive credit, or gain experience, through various internship opportunities abroad. Please contact International Internship Programs (http://internships.international.wisc.edu/) for details.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.

Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Japanese Professional Communication certificate may not be declared in the Japanese major at the same time. Students who do wish to declare the Japanese major must first cancel their declaration in the Japanese Professional Communication certificate.

PLACEMENT EXAM

The Asian Languages and Cultures department offers placement exams for students with prior language study or experience as a speaker of Japanese. For more information, see the department's website (https://alc.wisc.edu/languages/placement-tests/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Japanese Language Requisites		
First Semester Japanese (complete one):		*4*
ASIALANG 103	First Semester Japanese	
ASIALANG 113 & ASIALANG 114	First Semester Elementary Japanese and Second Semester Elementary Japanese	
Followed by (complete all):		
ASIALANG 104	Second Semester Japanese	4
ASIALANG 203	Third Semester Japanese	4
ASIALANG 204	Fourth Semester Japanese	4
Required Japanese Language Course		
ASIALANG 303	Fifth Semester Japanese	4
Advanced Japanese Language Courses (complete 3 courses from the options below):		**9**

ASIALANG 313	Classical Japanese	
ASIALANG 375	Advanced Japanese: Solidifying the Foundations	
ASIALANG 376	Japanese Conversation	
ASIALANG 377	Business Japanese Communication	
ASIALANG 451	Advanced Readings in Japanese	
ASIALANG 452	Advanced Japanese through Audio-Visual Media	
Japanese Studies Courses		
Introductory Course (complete one):		*3*
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	
ASIAN 253	Japanese Popular Culture	
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	
Intermediate Courses (complete 3 courses from the options below):		*9*
ASIAN/SOC 334	Gender, Work, and Family in East Asia	
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	
ASIAN 354	Early Modern Japanese Literature	
ASIAN 355	Modern Japanese Literature	
ASIAN 357	Japanese Ghost Stories	
ASIAN 358	Language in Japanese Society	
ASIAN 361	Love and Politics: The Tale of Genji	
ASIAN 367	Haiku	
ASIAN 373	Topics in Japanese: Study Abroad	
ASIAN 376	Manga	
ASIAN 378	Anime	
ASIAN 434	Introduction to Japanese Linguistics	
ASIAN 435	Teaching of Japanese	
ASIAN/ HISTORY 454	Samurai: History and Image	
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	
ASIALANG 313	Classical Japanese	
ANTHRO 357	Introduction to the Anthropology of Japan	
LITTRANS 373	Topics in Japanese Literature	
Capstone Course (complete one):		*3*
ASIAN 533	Readings in Early Modern Japanese Literature	
ASIAN 563	Readings in Modern Japanese Literature	
ASIAN 573	Readings in Classical Japanese Literature	
ASIAN 682	Senior Honors Thesis	
ASIAN 692	Senior Thesis	
ASIAN 699	Directed Study	
Total Credits		**44**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA in 15 upper-level major credits, in residence
- 15 credits in the major, taken on campus

UPPER-LEVEL MAJOR COURSES IN THE MAJOR:

Code	Title	Credits
ASIAN 300	Topics in Asian Studies	3
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 360	Topics in Asian Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN 367	Haiku	3
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ASIAN 533	Readings in Early Modern Japanese Literature	3
ASIAN 563	Readings in Modern Japanese Literature	3
ASIAN 573	Readings in Classical Japanese Literature	3
ASIAN 681	Senior Honors Thesis	3
ASIAN 682	Senior Honors Thesis	3
ASIAN 691	Senior Thesis	3
ASIAN 692	Senior Thesis	3
ASIAN 698	Directed Study	2-3
ASIAN 699	Directed Study	2-3
ASIALANG 303	Fifth Semester Japanese	4
ASIALANG 313	Classical Japanese	3
ASIALANG 376	Japanese Conversation	3
ASIALANG 377	Business Japanese Communication	3
ASIALANG 375	Advanced Japanese: Solidifying the Foundations	3
ASIALANG 451	Advanced Readings in Japanese	3

ASIALANG 452	Advanced Japanese through Audio-Visual Media	3
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 575	Proseminar in Japanese Art	3
LITTRANS 373	Topics in Japanese Literature	3

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all courses accepted in the major
- Complete the following coursework, with a grade of B or better:
  - Either ASIAN 699 or another Capstone course (see list above) of 3–4 credits (excluding ASIAN 681 or ASIAN 682 or ASIAN 692) with the professor under whose guidance a student intends to write a thesis. This course must be taken before ASIAN 681.
    - Students who complete ASIAN 699 for the Capstone requirement will follow the department procedure for obtaining consent to enroll in a Senior Honors Thesis supervised by the faculty. Students must contact the undergraduate advisor for this major to initiate this process.
  - A two-semester Senior Honors Thesis in ASIAN 681 and ASIAN 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the content and cultural context of written texts and video materials with a large degree of independence, adapting style and speed of comprehension to different texts and purposes, and using appropriate reference sources selectively.
2. Spontaneously exchange ideas about various topics with relative ease.
3. State and support one’s own opinion while acknowledging others’ viewpoints.
4. Demonstrate an awareness of the importance of pragmatic, sociolinguistic, and rhetorical features of the target language.
5. Conduct library and/or internet-based research on topics relating to their particular interests and special fields of expertise, collecting and selecting relevant information using English and target language source materials.
6. Synthesize and critically evaluate source materials in both English and the target language.
7. Present (orally or in written language) their experiences and their introspection on these experiences in a coherent and effective manner.
8. Demonstrate cultural awareness across historical epochs.
9. Produce effective academic writing in English.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
ASIALANG 103	4	ASIALANG 104	4
ASIAN 100	3-4	ASIAN/ASIAN AM/ HISTORY 246 (meets Ethnic Studies requirement)	4
Communication A	3	Quantitative Reasoning A	3-4
Biological Science Breadth	3	Science Breadth	3-4
		Students beginning language study this term may start with:	
		ASIALANG 113	
	14		**15**

Second Year

Fall	Credits	Spring	Credits
ASIALANG 203	4	ASIALANG 204 or 104	4
Or students continue with:		ASIAN/RELIG ST 236 (Communication B)	3
ASIALANG 114		ASIAN 253 (Humanities Breadth)	3

ASIAN/HISTORY/ POLI SCI 255 (Social Science Breadth)	3-4	ASIAN 355 (Literature Breadth)	3
Quantitative Reasoning B	3-4	Physical Science Breadth	3-4
Humanities Elective	4		
	14		**16**

Third Year

Fall	Credits	Spring	Credits
ASIALANG 303 or 203	4	ASIALANG 304 or 204	4
ASIAN 376	3	ASIALANG 377	3
ASIAN 367 (Literature Breadth)	3	ASIAN 699	2-3
ASIAN 373	1-6	Science Breadth	3
ASIAN/HISTORY 454	3-4	Elective	3-4
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
ASIALANG 303 (if not yet completed)	4	ASIALANG 304 (if not yet completed)	4
ASIAN 434	3	ASIALANG 475 (Japanese topic only)	3
ASIAN 563	3	ASIAN/HISTORY 456	3-4
ASIAN 691	3	ASIAN 692	3
Electives	3-7	Elective	3-4
	16		**13**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS PROGRAM

Please follow the process described on the Asian Languages and Cultures website (https://alc.wisc.edu/advising/).

ADVISING

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in general education and major requirements before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

The advisor is happy to meet with students as they explore the degree options, prepare for study abroad, or advance through their four-year plans. Schedule an appointment in Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/10715/schedule).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

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- McNair Scholars (http://grad.wisc.edu/mcnair/)
- Summer Research Programs (https://grad.wisc.edu/diversity/srop/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
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Undergraduate Academic Awards Office (https://awards.advising.wisc.edu/)
We help UW–Madison undergraduates and recent graduates pursue nationally competitive scholarships (https://awards.advising.wisc.edu/scholarships/nationally-competitive/) and campus-wide awards (https://awards.advising.wisc.edu/scholarships/campus-wide/) for research, service, and leadership — activities at the heart of the Wisconsin Experience. We can help you:

- Find scholarship opportunities that match your goals and interests
- Navigate the scholarship application process
- Review scholarship essays
- Prepare for national scholarship interviews

Contact us (https://awards.advising.wisc.edu/schedule-an-appointment/) to schedule an appointment to discuss which opportunities are right for you.

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Campus Representative: Mark Lilleleht, Assistant Director for Awards at awards@iris.wisc.edu

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The Critical Language Scholarship Program seeks participants with diverse interests, from a wide variety of fields of study, backgrounds, and career paths, with the purpose of representing the full diversity of the United States. Thus, students from all academic disciplines, including business, engineering, law, medicine, science, social sciences, arts, and humanities are encouraged to apply.

Gilman Scholarship Program
Campus Representative: Andy Quackenbush (quackenbush@studyabroad.wisc.edu)

The Gilman Scholarship Program is an undergraduate grant program for U.S. citizens of limited financial means to enable them to study abroad, thereby internationalizing their outlook and better preparing them to assume significant roles in the increasingly global economy.

ASTRONOMY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Astronomy–Physics, BA (p. 489)
- Astronomy–Physics, BS (p. 494)

ASTRONOMY–PHYSICS, BA

Astronomy, the oldest of the sciences, originated in the human urge to understand the mysterious lights we see in the sky above us: the Sun, the Moon, the planets, and the stars. Over the centuries, new tools have become available to study these cosmic icons, such as telescopes that allow us to see farther, detectors that are sensitive to electromagnetic signals at nonvisible wavelengths, and satellites that can observe from outside the confines of the Earth's atmosphere. These tools have answered many questions, and raised even more. How did the Universe begin, and how did the stars and galaxies within it form? How will it end? Are there habitable planets around other stars—and has life emerged on these planets?

CHOOSE THE ASTRONOMY—PHYSICS MAJOR BECAUSE:

- It's fascinating: Astronomy speaks directly to our natural desire to better understand our place in the cosmos.
- It's challenging: Astronomy studies objects that are distant beyond simple conception.
- It's adaptable: Astronomy develops a broad set of transferable skills, from a foundation in logical and quantitative reasoning through to data analysis, programming, and visualization.

The Astronomy–Physics program builds on a foundation of classical and modern physics, allowing for a comprehensive study of the observable Universe at scales extending from planets and stars, through to galaxies and the cosmic web.

RELATED PROGRAMS

L&S Physics major (p. 1218) in the Guide

Medical Physics

A suggested curriculum for students interested in graduate study in Medical Physics is available on the Department of Medical Physics webpage (https://www.medphysics.wisc.edu/graduate-program/admissions/#requirements).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Physics certificate may not be declared in the Astronomy-Physics major at the same time. Students who do wish to declare this major must first cancel their declaration in the Physics certificate.

Astronomy-Physics Majors should get started on one of the Introductory Physics sequences as early as possible. Context that informs a student's selection of an appropriate Introductory Physics sequence is available on the major's Advising and Careers page. Students can also consult with the major's advisor before enrolling in one of these sequences.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The major requires a minimum of 39 credits in the field of specialization, with at least 12 of these credits in ASTRON and at least 25 credits in PHYSICS.

COURSE REQUIREMENTS FOR THE MAJOR ARE:

Code	Title	Credits
Astronomy		
Introductory Course [1]		
ASTRON 200	The Physical Universe	3
Complete at least three of the following:		9
ASTRON 310	Stellar Astrophysics	
ASTRON 320	The Interstellar Medium	
ASTRON 330	Galaxies	
ASTRON 335	Cosmology	
ASTRON 340	Solar System Astrophysics	
ASTRON 500	Techniques of Modern Observational Astrophysics	
ASTRON 540	Exoplanets	
ASTRON 620	Seminar in Astrophysical Topics	
Physics		
First Introductory Course (complete one): [2]		5
PHYSICS 247	A Modern Introduction to Physics (recommended)	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
E M A 201 & E M A 202	Statics and Dynamics	
Second Introductory Course (complete one):		5
PHYSICS 248	A Modern Introduction to Physics (recommended)	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Third Introductory Course (complete one):		3-4
PHYSICS 249	A Modern Introduction to Physics (recommended)	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
PHYSICS 241	Introduction to Modern Physics	
Mechanics, Electromagnetic Fields, Thermal Physics (complete all):		
PHYSICS 311	Mechanics	3
PHYSICS 322	Electromagnetic Fields	3
PHYSICS 415	Thermal Physics	3
Atomic Quantum Physics (complete either):		
PHYSICS 448	Atomic and Quantum Physics	3
or PHYSICS 531	Introduction to Quantum Mechanics	
Complete one laboratory course:		2-3
ASTRON 465	Observational Astronomy and Data Analysis	
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	
Total Credits		**39**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ASTRON, all PHYSICS, and all major courses
- 2.000 GPA on 15 upper-level major credits in residence[4]
- 15 credits in ASTRON and PHYSICS, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Astronomy–Physics undergraduate advisor(s). Please plan your Senior Honors Thesis research project a year in advance.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all ASTRON and PHYSICS courses, and all courses accepted in the major, at the 300 level or higher.
- Complete the following coursework:
  - Four 300-level or higher ASTRON courses, with a 3.500 GPA (not including ASTRON 681 and ASTRON 682)

- A two-semester Senior Honors Thesis in ASTRON 681 and ASTRON 682, with a grade of AB or better (for a total of 6 credits).

FOOTNOTES

[1] ASTRON 103 and ASTRON 104 are not recommended for majors. Students intending to major should wait to take ASTRON 200 after completing their first introductory physics course or MATH 222.

[2] PHYSICS 247/PHYSICS 248/PHYSICS 249 is the introductory course sequence recommended for prospective astronomy-physics majors, PHYSICS 201/PHYSICS 202/PHYSICS 241 is recommended for engineers, and PHYSICS 207/PHYSICS 208/PHYSICS 241 is intended for life sciences and chemistry majors. Both PHYSICS 201/PHYSICS 202/PHYSICS 241 and PHYSICS 207/PHYSICS 208/PHYSICS 241 are suitable alternatives for physics majors. Although the department recommends following one of these sequences, students are allowed to mix them, with the exception that transfers into the PHYSICS 247/PHYSICS 248/PHYSICS 249 sequence are not permitted.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Learn how astronomical observations are made and data are analyzed.
2. Become familiar with theories and observations of planets, stars, interstellar gas, galaxies, and structure of the Universe (cosmology).
3. Learn how to read and critically evaluate scientific literature.
4. Learn the basics of oral and written scientific communication.
5. Be trained in principles and standards of professional and ethical conduct.
6. Develop the skills to carry out a small independent research project. Learn to define the scope of the project, conduct an effective literature search, perform computations, and analyze data.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 221 (QR-B)	5	MATH 222	4
COMP SCI 220	4	Biological Science Breadth	3
Communication A	2	Humanities Breadth	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	15		**14**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 247	5	PHYSICS 248	5
MATH 234	4	PHYSICS 301	1
ASTRON 200	3	MATH 319[1]	3
Foreign Language (if needed)	4	MATH 340[1]	3
		Social Science Breadth	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
ASTRON 300+ Course	3	ASTRON 300+ Course	3
PHYSICS 249	4	PHYSICS 322	3
PHYSICS 311	3	MATH 321	3
Biological Science Breadth	3	Literature Breadth	3
Social Science Breadth	3	Communication B	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
ASTRON 465	3	ASTRON 300+ Course	3
PHYSICS 448	3	MATH 322	3
PHYSICS 415	3	Social Science Breadth	3
Social Science Breadth	3	Humanities Breadth	3
Ethnic Studies	3	Literature Breadth	3
	15		**15**

Total Credits 121

[1] Alternatively, students may wish to consider MATH 320 .

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Follow the process described in the Department of Astronomy website. (https://www.astro.wisc.edu/undergraduate-program/prospective/)

We encourage students to meet major advisors as early as possible. The undergraduate advisor, Evan Heintz (via Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule)), can assist students with curriculum and course scheduling, career planning, academic concerns, and overall performance and strategies.

Astronomy-Physics Majors should begin an Introductory Physics sequences as early as possible. See the major's Requirements section for the options. The sequence of PHYSICS 247 + PHYSICS 248 + PHYSICS 249 is recommended. However, students who transfer in courses from one of the other sequences (most commonly the PHYSICS 207 sequence), may usually continue with other major requirements rather than restarting with PHYSICS 247. Please contact Evan Heintz, the academic advisor, to confirm which courses are best for you.

ADVISING FOR ADMITTED STUDENTS

Assistance choosing courses is available for students enrolling during Student Orientation, Advising, and Registration (SOAR (https://soar.wisc.edu)): contact Evan Heintz, eheintz@wisc.edu.

UNDERGRADUATE RESEARCH

If you are declared in the Astronomy-Physics major and are interested in pursuing a research position with a faculty member or scientist, please schedule an appointment (via Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule)) with the undergraduate advisor, Evan Heintz, who will discuss your interests and aid you in finding a position within the department.

CAREER EXPLORATION

A good starting point for exploring careers is PHYSICS 301 Physics Today. This course, offered in Spring semesters, includes a weekly talk where a research topic is discussed by one of the Physics or Astronomy faculty.

SuccessWorks has also created the extremely helpful "What Can You Do with Your Major" Skills & Outcomes Sheet (https://successworks.wisc.edu/what-you-can-do-with-your-major/). Check out the specific Astronomy-Physics sheet to explore the major's transferable skills, alumni job titles, frequent employers of the major and words of advice from alumni who have found success following their passions.

RECOMMENDED ADDITIONAL COURSES

Astronomy

Students are required to take ASTRON 200 The Physical Universe for the major. This course serves as a good introduction for all areas of astronomy. Due to this requirement, ASTRON 103 The Evolving Universe: Stars, Galaxies, and Cosmology and ASTRON 104 Our Exploration of the Solar System are not recommended for students planning to major in Astronomy-Physics.

Mathematics

Please consult with the Astronomy academic advisor before choosing your Mathematics courses.

Specific math courses are requisites for the major's Physics and Astronomy courses. We also recommend additional math courses to best prepare you for upper-level coursework.

A typical math sequence is: MATH 221 Calculus and Analytic Geometry 1, MATH 222 Calculus and Analytic Geometry 2, MATH 234 Calculus--Functions of Several Variables, MATH 340 Elementary Matrix and Linear Algebra, MATH 319 Techniques in Ordinary Differential Equations, MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus, MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations.

- MATH 221 Calculus and Analytic Geometry 1: A requisite for PHYSICS 247 A Modern Introduction to Physics, PHYSICS 207 General Physics, and PHYSICS 201 General Physics.
- MATH 222 Calculus and Analytic Geometry 2: A requisite for ASTRON 200 The Physical Universe. Also, a requisite for PHYSICS 247 A Modern Introduction to Physics but can be taken concurrently.
- MATH 234 Calculus--Functions of Several Variables: A requisite for PHYSICS 248 A Modern Introduction to Physics but can be taken concurrently. If you are not taking the PHYSICS 247 A Modern Introduction to Physics + PHYSICS 248 A Modern Introduction to Physics + PHYSICS 249 A Modern Introduction to Physics introductory sequence, you will still need this course for PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields.
- MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra: You are strongly advised to take these courses before PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields.
- MATH 320 Linear Algebra and Differential Equations: This course combines topics from MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra. It is adequate for the undergraduate major's curriculum but is not recommended for students planning for graduate school. There is an accelerated honors section that thoroughly covers all of the material in MATH 319 and MATH 340. It is more challenging but is a good way to fit in both topics if you are unable to take MATH 319 + MATH 340 before you take PHYSICS 311 Mechanics or PHYSICS 322 Electromagnetic Fields.
- MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus: For students interested in more abstract math, taking MATH 521 Analysis I would be equivalent. It is recommended that MATH 321 be taken before PHYSICS 322 Electromagnetic Fields but especially before you take either PHYSICS 448 Atomic and Quantum Physics or PHYSICS 531 Introduction to Quantum Mechanics. Students may want to check with the academic advisor before enrolling in this course to confirm they have enough time and attention in a specific term.
- MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations : MATH 321 Applied Mathematical Analysis 1: Vector and

Complex Calculus and MATH 322 are recommended for those planning for graduate school in Astronomy or Physics.

Computer and Data Science
Computers are fundamental to astronomical research. The most useful language is Python, followed by C or C++. COMP SCI 220 Data Science Programming I is a good starting point for learning Python.

Students interested in data science and machine learning are also recommended to take PHYSICS 361 Machine Learning in Physics.

Chemistry
A college course in physical or organic chemistry is useful for Astronomy students. Physical chemistry is particularly valuable for those interested in the interstellar medium, comets, and planets.

Statistics
A background in statistics is valuable, particularly for students interested in observational astronomy. STAT/MATH 309 Introduction to Probability and Mathematical Statistics I/STAT/MATH 310 Introduction to Probability and Mathematical Statistics II are suggested.

WHAT YOU LEARN IN THIS MAJOR WILL:
- prepare you for graduate studies for master's or doctoral degrees in experimental or theoretical astronomy, astrophysics, or physics;
- prepare you for employment in industrial or governmental laboratories;
- provide a broad background for further work in other sciences, such as materials sciences, aerospace, computer science, geophysics, meteorology, radiology, medicine, biophysics, engineering, and environmental studies;
- provide a science-oriented education, useful in some areas of business administration, public policy, law, or other fields where a basic knowledge of science is useful; and
- provide part of the preparation you need to teach astronomy or physics. To teach these subjects in high school, you will also take education courses to become certified. You will need a doctoral degree to become a college or university professor.

Students who intend to continue astronomy in a graduate program are strongly encouraged to get involved in research early. Please consider applying for Research Experiences for Undergraduates (REUs) and if interested in department research, visit our website (https://www.astro.wisc.edu/undergraduate-program/current-students/) and reach out to individual faculty. On our webpage you will find our Undergraduate Student Handbook as well as some of the current research projects.

SUCCESSWORKS
SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE
THE ASTRONOMY CLUB
The Astronomy Club is a student organization for people interested in astronomy and related fields.

In addition to social events, the club organizes a research symposium, Research Experiences for Undergraduates (https://www.astro.wisc.edu/undergraduate-program/uw-madison-reu-program/) and internship information sessions, and trips to observatories and labs. Club members can also help you start doing some of your own astronomy research.

By joining the Astronomy Club, you will meet people who are just as enthusiastic as you are about the universe! Astronomy Club is a great way to find a community of people who can help you navigate through your time at UW–Madison.

Email the club officers at astronomyclubofficers@gmail.com to notify them of your interest. Then, just pay your annual dues to join.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS
Students majoring in Astronomy–Physics may be eligible for scholarships (https://www.physics.wisc.edu/department/awards/apply/) made possible through very generous donations by alumni and friends of the Department of Physics.

ASTRONOMY–PHYSICS, BS
Astronomy, the oldest of the sciences, originated in the human urge to understand the mysterious lights we see in the sky above us: the Sun, the Moon, the planets, and the stars. Over the centuries, new tools have become available to study these cosmic icons, such as telescopes that allow us to see farther, detectors that are sensitive to electromagnetic signals at nonvisible wavelengths, and satellites that can observe from outside the confines of the Earth's atmosphere. These tools have answered many questions, and raised even more. How did the Universe begin, and how did the stars and galaxies within it form? How will it end? Are there habitable planets around other stars—and has life emerged on these planets?

CHOOSE THE ASTRONOMY—PHYSICS MAJOR BECAUSE:
- It's fascinating: Astronomy speaks directly to our natural desire to better understand our place in the cosmos.

- It's challenging: Astronomy studies objects that are distant beyond simple conception.
- It's adaptable: Astronomy develops a broad set of transferable skills, from a foundation in logical and quantitative reasoning through to data analysis, programming, and visualization.

The Astronomy–Physics program builds on a foundation of classical and modern physics, allowing for a comprehensive study of the observable Universe at scales extending from planets and stars, through to galaxies and the cosmic web.

RELATED PROGRAMS

L&S Physics major (p. 1218) in the Guide

Medical Physics

A suggested curriculum for students interested in graduate study in Medical Physics is available on the Department of Medical Physics webpage (https://www.medphysics.wisc.edu/graduate-program/admissions/#requirements).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Physics certificate may not be declared in the Astronomy-Physics major at the same time. Students who do wish to declare this major must first cancel their declaration in the Physics certificate.

Astronomy-Physics Majors should get started on one of the Introductory Physics sequences as early as possible. Context that informs a student's selection of an appropriate Introductory Physics sequence is available on the major's Advising and Careers page. Students can also consult with the major's advisor before enrolling in one of these sequences.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The major requires a minimum of 39 credits in the field of specialization, with at least 12 of these credits in ASTRON and at least 25 credits in PHYSICS.

COURSE REQUIREMENTS FOR THE MAJOR ARE:

Code	Title	Credits
Astronomy		
Introductory Course [1]		
ASTRON 200	The Physical Universe	3
Complete at least three of the following:		9
ASTRON 310	Stellar Astrophysics	
ASTRON 320	The Interstellar Medium	
ASTRON 330	Galaxies	
ASTRON 335	Cosmology	
ASTRON 340	Solar System Astrophysics	
ASTRON 500	Techniques of Modern Observational Astrophysics	
ASTRON 540	Exoplanets	
ASTRON 620	Seminar in Astrophysical Topics	
Physics		
First Introductory Course (complete one): [2]		5
PHYSICS 247	A Modern Introduction to Physics (recommended)	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
E M A 201 & E M A 202	Statics and Dynamics	
Second Introductory Course (complete one):		5
PHYSICS 248	A Modern Introduction to Physics (recommended)	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Third Introductory Course (complete one):		3-4
PHYSICS 249	A Modern Introduction to Physics (recommended)	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
PHYSICS 241	Introduction to Modern Physics	
Mechanics, Electromagnetic Fields, Thermal Physics (complete all):		
PHYSICS 311	Mechanics	3
PHYSICS 322	Electromagnetic Fields	3
PHYSICS 415	Thermal Physics	3
Atomic Quantum Physics (complete either):		
PHYSICS 448	Atomic and Quantum Physics	3
or PHYSICS 531	Introduction to Quantum Mechanics	
Complete one laboratory course:		2-3
ASTRON 465	Observational Astronomy and Data Analysis	
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	
Total Credits		**39**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ASTRON, all PHYSICS, and all major courses
- 2.000 GPA on 15 upper-level major credits in residence[4]
- 15 credits in ASTRON and PHYSICS, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Astronomy–Physics undergraduate advisor(s). Please plan your Senior Honors Thesis research project a year in advance.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all ASTRON and PHYSICS courses, and all courses accepted in the major, at the 300 level or higher.
- Complete the following coursework:
  - Four 300-level or higher ASTRON courses, with a 3.500 GPA (not including ASTRON 681 and ASTRON 682)
  - A two-semester Senior Honors Thesis in ASTRON 681 and ASTRON 682, with a grade of AB or better (for a total of 6 credits).

FOOTNOTES

1 ASTRON 103 and ASTRON 104 are not recommended for majors. Students intending to major should wait to take ASTRON 200 after completing their first introductory physics course or MATH 222.

2 PHYSICS 247/PHYSICS 248/PHYSICS 249 is the introductory course sequence recommended for prospective astronomy-physics majors, PHYSICS 201/PHYSICS 202/PHYSICS 241 is recommended for engineers, and PHYSICS 207/PHYSICS 208/PHYSICS 241 is intended for life sciences and chemistry majors. Both PHYSICS 201/PHYSICS 202/PHYSICS 241 and PHYSICS 207/PHYSICS 208 suitable alternatives for physics majors. Although the department recommends following one of these sequences, students are allowed to mix them, with the exception that transfers into the PHYSICS 247/PHYSICS 248/PHYSICS 249 sequence are not permitted.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Learn how astronomical observations are made and data are analyzed.
2. Become familiar with theories and observations of planets, stars, interstellar gas, galaxies, and structure of the Universe (cosmology).
3. Learn how to read and critically evaluate scientific literature.
4. Learn the basics of oral and written scientific communication.
5. Be trained in principles and standards of professional and ethical conduct.
6. Develop the skills to carry out a small independent research project. Learn to define the scope of the project, conduct an effective literature search, perform computations, and analyze data.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 221 (QR-B)	5	MATH 222	4
COMP SCI 220	4	Biological Science Breadth	3
Communication A	2	Humanities Breadth	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	15		**14**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 247	5	PHYSICS 248	5
MATH 234	4	PHYSICS 301	1
ASTRON 200	3	MATH 319[1]	3
Foreign Language (if needed)	4	MATH 340[1]	3
		Social Science Breadth	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
ASTRON 300+ Course	3	ASTRON 300+ Course	3
PHYSICS 249	4	PHYSICS 322	3
PHYSICS 311	3	MATH 321	3
Biological Science Breadth	3	Literature Breadth	3
Social Science Breadth	3	Communication B	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
ASTRON 465	3	ASTRON 300+ Course	3
PHYSICS 448	3	MATH 322	3
PHYSICS 415	3	Social Science Breadth	3
Social Science Breadth	3	Humanities Breadth	3
Ethnic Studies	3	Literature Breadth	3
	15		**15**

Total Credits 121

[1] Alternatively, students may wish to consider MATH 320 .

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Follow the process described in the Department of Astronomy website. (https://www.astro.wisc.edu/undergraduate-program/prospective/)

We encourage students to meet major advisors as early as possible. The undergraduate advisor, Evan Heintz (via Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule)), can assist students with curriculum and course scheduling, career planning, academic concerns, and overall performance and strategies.

Astronomy-Physics Majors should begin an Introductory Physics sequences as early as possible. See the major’s Requirements section for the options. The sequence of PHYSICS 247 + PHYSICS 248 + PHYSICS 249 is recommended. However, students who transfer in courses from one of the other sequences (most commonly the PHYSICS 207 sequence), may usually continue with other major requirements rather

than restarting with PHYSICS 247. Please contact Evan Heintz, the academic advisor, to confirm which courses are best for you.

ADVISING FOR ADMITTED STUDENTS

Assistance choosing courses is available for students enrolling during Student Orientation, Advising, and Registration (SOAR (https://soar.wisc.edu)): contact Evan Heintz, eheintz@wisc.edu.

UNDERGRADUATE RESEARCH

If you are declared in the Astronomy-Physics major and are interested in pursuing a research position with a faculty member or scientist, please schedule an appointment (via Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule)) with the undergraduate advisor, Evan Heintz, who will discuss your interests and aid you in finding a position within the department.

CAREER EXPLORATION

A good starting point for exploring careers is PHYSICS 301 Physics Today. This course, offered in Spring semesters, includes a weekly talk where a research topic is discussed by one of the Physics or Astronomy faculty.

SuccessWorks has also created the extremely helpful "What Can You Do with Your Major" Skills & Outcomes Sheet (https://successworks.wisc.edu/what-you-can-do-with-your-major/). Check out the specific Astronomy-Physics sheet to explore the major's transferable skills, alumni job titles, frequent employers of the major and words of advice from alumni who have found success following their passions.

RECOMMENDED ADDITIONAL COURSES

Astronomy

Students are required to take ASTRON 200 The Physical Universe for the major. This course serves as a good introduction for all areas of astronomy. Due to this requirement, ASTRON 103 The Evolving Universe: Stars, Galaxies, and Cosmology and ASTRON 104 Our Exploration of the Solar System are not recommended for students planning to major in Astronomy-Physics.

Mathematics

Please consult with the Astronomy academic advisor before choosing your Mathematics courses.

Specific math courses are requisites for the major's Physics and Astronomy courses. We also recommend additional math courses to best prepare you for upper-level coursework.

A typical math sequence is: MATH 221 Calculus and Analytic Geometry 1, MATH 222 Calculus and Analytic Geometry 2, MATH 234 Calculus--Functions of Several Variables, MATH 340 Elementary Matrix and Linear Algebra, MATH 319 Techniques in Ordinary Differential Equations, MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus, MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations.

- MATH 221 Calculus and Analytic Geometry 1: A requisite for PHYSICS 247 A Modern Introduction to Physics, PHYSICS 207 General Physics, and PHYSICS 201 General Physics.

- MATH 222 Calculus and Analytic Geometry 2: A requisite for ASTRON 200 The Physical Universe. Also, a requisite for PHYSICS 247 A Modern Introduction to Physics but can be taken concurrently.

- MATH 234 Calculus--Functions of Several Variables: A requisite for PHYSICS 248 A Modern Introduction to Physics but can be taken concurrently. If you are not taking the PHYSICS 247 A Modern Introduction to Physics + PHYSICS 248 A Modern Introduction to Physics + PHYSICS 249 A Modern Introduction to Physics introductory sequence, you will still need this course for PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields.

- MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra: You are strongly advised to take these courses before PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields.

- MATH 320 Linear Algebra and Differential Equations: This course combines topics from MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra. It is adequate for the undergraduate major's curriculum but is not recommended for students planning for graduate school. There is an accelerated honors section that thoroughly covers all of the material in MATH 319 and MATH 340. It is more challenging but is a good way to fit in both topics if you are unable to take MATH 319 + MATH 340 before you take PHYSICS 311 Mechanics or PHYSICS 322 Electromagnetic Fields.

- MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus: For students interested in more abstract math, taking MATH 521 Analysis I would be equivalent. It is recommended that MATH 321 be taken before PHYSICS 322 Electromagnetic Fields but especially before you take either PHYSICS 448 Atomic and Quantum Physics or PHYSICS 531 Introduction to Quantum Mechanics. Students may want to check with the academic advisor before enrolling in this course to confirm they have enough time and attention in a specific term.

- MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations : MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus and MATH 322 are recommended for those planning for graduate school in Astronomy or Physics.

Computer and Data Science

Computers are fundamental to astronomical research. The most useful language is Python, followed by C or C++. COMP SCI 220 Data Science Programming I is a good starting point for learning Python.

Students interested in data science and machine learning are also recommended to take PHYSICS 361 Machine Learning in Physics.

Chemistry

A college course in physical or organic chemistry is useful for Astronomy students. Physical chemistry is particularly valuable for those interested in the interstellar medium, comets, and planets.

Statistics

A background in statistics is valuable, particularly for students interested in observational astronomy. STAT/MATH 309 Introduction to Probability and Mathematical Statistics I/STAT/MATH 310 Introduction to Probability and Mathematical Statistics II are suggested.

WHAT YOU LEARN IN THIS MAJOR WILL:

- prepare you for graduate studies for master's or doctoral degrees in experimental or theoretical astronomy, astrophysics, or physics;

- prepare you for employment in industrial or governmental laboratories;
- provide a broad background for further work in other sciences, such as materials sciences, aerospace, computer science, geophysics, meteorology, radiology, medicine, biophysics, engineering, and environmental studies;
- provide a science-oriented education, useful in some areas of business administration, public policy, law, or other fields where a basic knowledge of science is useful; and
- provide part of the preparation you need to teach astronomy or physics. To teach these subjects in high school, you will also take education courses to become certified. You will need a doctoral degree to become a college or university professor.

Students who intend to continue astronomy in a graduate program are strongly encouraged to get involved in research early. Please consider applying for Research Experiences for Undergraduates (REUs) and if interested in department research, visit our website (https://www.astro.wisc.edu/undergraduate-program/current-students/) and reach out to individual faculty. On our webpage you will find our Undergraduate Student Handbook as well as some of the current research projects.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

THE ASTRONOMY CLUB

The Astronomy Club is a student organization for people interested in astronomy and related fields.

In addition to social events, the club organizes a research symposium, Research Experiences for Undergraduates (https://www.astro.wisc.edu/undergraduate-program/uw-madison-reu-program/) and internship information sessions, and trips to observatories and labs. Club members can also help you start doing some of your own astronomy research.

By joining the Astronomy Club, you will meet people who are just as enthusiastic as you are about the universe! Astronomy Club is a great way to find a community of people who can help you navigate through your time at UW–Madison.

Email the club officers at astronomyclubofficers@gmail.com to notify them of your interest. Then, just pay your annual dues to join.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students majoring in Astronomy–Physics may be eligible for scholarships (https://www.physics.wisc.edu/department/awards/apply/) made possible through very generous donations by alumni and friends of the Department of Physics.

ATMOSPHERIC AND OCEANIC SCIENCES

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Atmospheric and Oceanic Sciences, BA (p. 499)
- Atmospheric and Oceanic Sciences, BS (p. 504)
- Environmental Sciences, BA (L&S) (p. 509)
- Environmental Sciences, BS (L&S) (p. 517)

ATMOSPHERIC AND OCEANIC SCIENCES, BA

The study of atmospheric and oceanic sciences includes all aspects of the atmosphere and physical oceanography, their mutual interaction, and their interaction with space and the rest of the earth system. Although a primary goal is to understand the atmosphere and ocean for the purpose of predicting the weather, atmospheric and oceanic sciences embraces much more:

- motions at large, medium, and small scales;
- past, present, and future climates;
- air chemistry and quality;
- clouds and precipitation;
- and solar and terrestrial radiation.

In many areas, new remote-sensing technology including satellites is used to provide circulation patterns at both global and local scales.

Many undergraduates take an elementary Atmospheric and Oceanic Sciences course (https://guide.wisc.edu/courses/atm_ocn/) to meet part of their natural or physical science breadth requirements. Other students, who have had sufficient mathematics and physics preparation, take higher level Atmospheric and Oceanic Sciences courses to complement their major work in other fields of natural science.

Students majoring in Atmospheric and Oceanic Sciences receive a thorough introduction to the basic concepts and tools in the core courses, which cover the physics and dynamics of the atmosphere and ocean. An array of elective courses are offered in the senior year, with tracks in the areas of weather systems, earth/environmental science, and general atmospheric and oceanic sciences, and applied atmospheric and oceanic sciences. Elective groups are tailored individually. Some students will want preparation for careers in areas such as operational forecasting, environmental consulting, and broadcasting. Others will seek preparation for graduate work leading to a broader range of careers.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Calculus (complete all):		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
Physics (complete one course from each group):		
PHYSICS 207	General Physics	5
or PHYSICS 201	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 208	General Physics	5
or PHYSICS 202	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Computer Sciences (complete one):		**3**
COMP SCI 220	Data Science Programming I	
COMP SCI 310	Problem Solving Using Computers	
COMP SCI 320	Data Science Programming II	
COMP SCI/ E C E 354	Machine Organization and Programming	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
Total Credits		**26**

Code	Title	Credits
Core Sequence (complete all):		
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN 311	Dynamics of the Atmosphere and Ocean II	3
ATM OCN 330	Physics of the Atmosphere and Ocean I	3
ATM OCN 340	Physics of the Atmosphere and Ocean II	3
Quantitative Analysis (complete one):		**3**
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations	
MATH 320	Linear Algebra and Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 331	Introductory Probability	
MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 407	Topics in Mathematics Study Abroad	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/STAT 431	Introduction to the Theory of Probability	
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography	
MATH 443	Applied Linear Algebra	
MATH 461	College Geometry I	
MATH 467	Introduction to Number Theory	
MATH/ CURRIC 471	Mathematics for Secondary School Teachers	
MATH/ HIST SCI 473	History of Mathematics	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
MATH 490	Undergraduate Seminar	
MATH 491	Topics in Undergraduate Mathematics	
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	

MATH 531	Probability Theory
MATH 535	Mathematical Methods in Data Science
MATH 540	Linear Algebra II
MATH 541	Modern Algebra
MATH 542	Modern Algebra
MATH 551	Elementary Topology
MATH 552	Elementary Geometric and Algebraic Topology
MATH 561	Differential Geometry
MATH 567	Modern Number Theory
MATH 570	Fundamentals of Set Theory
MATH/ PHILOS 571	Mathematical Logic
MATH 607	Topics in Mathematics Study Abroad
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology
MATH 619	Analysis of Partial Differential Equations
MATH 621	Introduction to Manifolds
MATH 623	Complex Analysis
MATH 627	Introduction to Fourier Analysis
MATH 629	Introduction to Measure and Integration
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I
STAT 312	Introduction to Theory and Methods of Mathematical Statistics II
STAT 324	Introduction to Statistics for Science and Engineering
STAT 333	Applied Regression Analysis
STAT 340	Data Science Modeling II
STAT 349	Introduction to Time Series
STAT 351	Introductory Nonparametric Statistics
STAT 360	Topics in Statistics Study Abroad
STAT 371	Introductory Applied Statistics for the Life Sciences
STAT 411	An Introduction to Sample Survey Theory and Methods
STAT 421	Applied Categorical Data Analysis
STAT/M E 424	Statistical Experimental Design
STAT/MATH 431	Introduction to the Theory of Probability
STAT 456	Applied Multivariate Analysis
STAT 461	Financial Statistics
STAT/ COMP SCI 471	Introduction to Computational Statistics
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics
STAT 479	Special Topics in Statistics
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization
STAT/B M I 541	Introduction to Biostatistics
STAT/B M I 542	Introduction to Clinical Trials I
STAT/ F&W ECOL 571	Statistical Methods for Bioscience I
STAT/ F&W ECOL 572	Statistical Methods for Bioscience II
STAT 575	Statistical Methods for Spatial Data
STAT 601	Statistical Methods I
STAT 602	Statistical Methods II
STAT 605	Data Science Computing Project
STAT 609	Mathematical Statistics I
STAT 610	Introduction to Statistical Inference
STAT 615	Statistical Learning
STAT 627	Professional Skills in Data Science
STAT 628	Data Science Practicum
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes
STAT/B M I 641	Statistical Methods for Clinical Trials
STAT/B M I 642	Statistical Methods for Epidemiology
STAT 679	Special Topics in Statistics
STAT 681	Senior Honors Thesis
STAT 682	Senior Honors Thesis
Capstone	
ATM OCN 405	AOS Senior Capstone Seminar 1
Electives	**11**
ATM OCN 401	Topics in Meteorology
ATM OCN 404	Meteorological Measurements
ATM OCN 425	Global Climate Processes
ATM OCN 441	Radar and Satellite Meteorology
ATM OCN 452	Synoptic Laboratory I: The Frontal Cyclone
ATM OCN 453	Synoptic Laboratory II: Mesoscale Meteorology
ATM OCN/ ENVIR ST 520	Bioclimatology
ATM OCN 522	Tropical Meteorology
ATM OCN/ PLANTSCI 532	Environmental Biophysics
ATM OCN 573	Research Computing in Atmospheric and Oceanic Sciences
ATM OCN 575	Climatological Analysis
ATM OCN 610	Geophysical Fluid Dynamics I
ATM OCN 611	Geophysical Fluid Dynamics II
ATM OCN 630	Introduction to Atmospheric and Oceanic Physics
ATM OCN 637	Cloud Physics
ATM OCN 640	Radiation in the Atmosphere and Ocean

ATM OCN 660	Introduction to Physical Oceanography
ATM OCN 681	Senior Honors Thesis
ATM OCN 682	Senior Honors Thesis
ATM OCN 691	Senior Thesis
ATM OCN 692	Senior Thesis
ATM OCN 698	Directed Study [2]
ATM OCN 699	Directed Study [2]
Total Credits	**27**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ATM OCN and major courses
- 2.000 GPA on 15 upper-level credits in the major, taken in Residence. [3]
- 15 credits in ATM OCN, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Atmospheric and Oceanic Sciences Major in consultation with the Atmospheric and Oceanic Sciences undergraduate advisor.

REQUIREMENTS

To earn Honors in the Major in Atmospheric and Oceanic Sciences, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA for all ATM OCN courses, and all courses accepted in the major
- Complete the following additional coursework:
  - ATM OCN 610 or ATM OCN 611 and
  - ATM OCN 681 and ATM OCN 682 for a total of 6 credits

FOOTNOTES

[1] Note that core sequence begins in the fall semester only.
[2] A maximum 2 credits of Electives may come from Internship or Directed Study courses.
[3] ATM OCN 300 through ATM OCN 699 are upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and describe the fundamental principles and processes associated with the dynamics and thermodynamics of geophysical fluid flows, the basic physics of clouds, aerosols, and precipitation.
2. Recognize and describe the fundamental principles and processes associated with radiation and atmospheric and oceanic radiative transfer.
3. Demonstrate critical thinking skills by identifying a problem, identifying the required information to solve that problem; and formulating and interpreting solutions to that problem using appropriate analytical and/or computational techniques.
4. Apply diagnostic tools to to analyses and numerical model output to diagnose, describe, and interpret the fundamental dynamical and thermodynamical processes at work in synoptic-scale, mesoscale, and large-scale weather systems and climate circulations.
5. Apply fundamental radiative transfer theory to interpret remotely-sensed observations of atmospheric and oceanic phenomena.
6. Design and conduct experiments and/or analyze data to test hypotheses in an area of atmospheric or climate sciences.
7. Demonstrate effective scientific communication skills through development and delivery of oral presentations (including poster presentations) and written reports and case studies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 221 (QR-B)	5	MATH 222	4
ATM OCN 100 or 101	4	ATM OCN/ENVIR ST 171 (Comm B)	3
Communication A	3	Literature Breadth	3
Foreign Language	4	Biological Science Breadth	3
	16		**13**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	Humanities Breadth	3
PHYSICS 207	5	PHYSICS 208	5
Biological Science Breadth	3	COMP SCI 220	4
Ethnic Studies	4	Social Science Breadth	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
ATM OCN 310	3	ATM OCN 311	3
ATM OCN 330	3	ATM OCN 340	3
Literature Breadth	3	Biological Science Breadth	3
ADV MATH/COMP SCI/ STATS	3	Humanities Breadth	3
Social Science Breadth	4	Elective	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
ATM OCN 400 or higher	3	ATM OCN numbered 400 or higher	3
ATM OCN 400 or higher	4	ATM OCN numbered 400 level or higher	4
Elective	4	ATM OCN 699 (or elective)	3
Social Science Breadth	4	ATM OCN 405	1
		Elective	3
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Atmospheric and Oceanic Sciences website (https://www.aos.wisc.edu/academics/undergraduate/admission/).

Contact the Undergraduate Academic Advising Manager with your questions about exploring or declaring the major.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ATMOSPHERIC AND OCEANIC SCIENCES, BS

The study of atmospheric and oceanic sciences includes all aspects of the atmosphere and physical oceanography, their mutual interaction, and their interaction with space and the rest of the earth system. Although a primary goal is to understand the atmosphere and ocean for the purpose of predicting the weather, atmospheric and oceanic sciences embraces much more:

- motions at large, medium, and small scales;
- past, present, and future climates;
- air chemistry and quality;
- clouds and precipitation;
- and solar and terrestrial radiation.

In many areas, new remote-sensing technology including satellites is used to provide circulation patterns at both global and local scales.

Many undergraduates take an elementary Atmospheric and Oceanic Sciences course (https://guide.wisc.edu/courses/atm_ocn/) to meet part of their natural or physical science breadth requirements. Other students, who have had sufficient mathematics and physics preparation, take higher level Atmospheric and Oceanic Sciences courses to complement their major work in other fields of natural science.

Students majoring in Atmospheric and Oceanic Sciences receive a thorough introduction to the basic concepts and tools in the core courses, which cover the physics and dynamics of the atmosphere and ocean. An array of elective courses are offered in the senior year, with tracks in the areas of weather systems, earth/environmental science, and general atmospheric and oceanic sciences, and applied atmospheric and oceanic sciences. Elective groups are tailored individually. Some students will want preparation for careers in areas such as operational forecasting, environmental consulting, and broadcasting. Others will seek preparation for graduate work leading to a broader range of careers.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None

GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Calculus (complete all):		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
Physics (complete one course from each group):		
PHYSICS 207	General Physics	5
or PHYSICS 201	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 208	General Physics	5
or PHYSICS 202	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Computer Sciences (complete one):		**3**
COMP SCI 220	Data Science Programming I	
COMP SCI 310	Problem Solving Using Computers	
COMP SCI 320	Data Science Programming II	
COMP SCI/ E C E 354	Machine Organization and Programming	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
Total Credits		**26**

Code	Title	Credits
Core Sequence (complete all):		
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN 311	Dynamics of the Atmosphere and Ocean II	3
ATM OCN 330	Physics of the Atmosphere and Ocean I	3
ATM OCN 340	Physics of the Atmosphere and Ocean II	3
Quantitative Analysis (complete one):		**3**
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations	
MATH 320	Linear Algebra and Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 331	Introductory Probability	
MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 407	Topics in Mathematics Study Abroad	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/STAT 431	Introduction to the Theory of Probability	
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography	
MATH 443	Applied Linear Algebra	
MATH 461	College Geometry I	
MATH 467	Introduction to Number Theory	
MATH/ CURRIC 471	Mathematics for Secondary School Teachers	
MATH/ HIST SCI 473	History of Mathematics	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
MATH 490	Undergraduate Seminar	
MATH 491	Topics in Undergraduate Mathematics	
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 552	Elementary Geometric and Algebraic Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 607	Topics in Mathematics Study Abroad	
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology	
MATH 619	Analysis of Partial Differential Equations	
MATH 621	Introduction to Manifolds	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
STAT 324	Introduction to Statistics for Science and Engineering	

STAT 333	Applied Regression Analysis	
STAT 340	Data Science Modeling II	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 360	Topics in Statistics Study Abroad	
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT/M E 424	Statistical Experimental Design	
STAT/MATH 431	Introduction to the Theory of Probability	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/COMP SCI 471	Introduction to Computational Statistics	
STAT/COMP SCI/MATH 475	Introduction to Combinatorics	
STAT 479	Special Topics in Statistics	
STAT/COMP SCI/I SY E/MATH 525	Linear Optimization	
STAT/B M I 541	Introduction to Biostatistics	
STAT/B M I 542	Introduction to Clinical Trials I	
STAT/F&W ECOL 571	Statistical Methods for Bioscience I	
STAT/F&W ECOL 572	Statistical Methods for Bioscience II	
STAT 575	Statistical Methods for Spatial Data	
STAT 601	Statistical Methods I	
STAT 602	Statistical Methods II	
STAT 605	Data Science Computing Project	
STAT 609	Mathematical Statistics I	
STAT 610	Introduction to Statistical Inference	
STAT 615	Statistical Learning	
STAT 627	Professional Skills in Data Science	
STAT 628	Data Science Practicum	
STAT/I SY E/MATH/OTM 632	Introduction to Stochastic Processes	
STAT/B M I 641	Statistical Methods for Clinical Trials	
STAT/B M I 642	Statistical Methods for Epidemiology	
STAT 679	Special Topics in Statistics	
STAT 681	Senior Honors Thesis	
STAT 682	Senior Honors Thesis	
Capstone		
ATM OCN 405	AOS Senior Capstone Seminar	1
Electives		**11**
ATM OCN 401	Topics in Meteorology	
ATM OCN 404	Meteorological Measurements	
ATM OCN 425	Global Climate Processes	
ATM OCN 441	Radar and Satellite Meteorology	
ATM OCN 452	Synoptic Laboratory I: The Frontal Cyclone	
ATM OCN 453	Synoptic Laboratory II: Mesoscale Meteorology	
ATM OCN/ENVIR ST 520	Bioclimatology	
ATM OCN 522	Tropical Meteorology	
ATM OCN/PLANTSCI 532	Environmental Biophysics	
ATM OCN 573	Research Computing in Atmospheric and Oceanic Sciences	
ATM OCN 575	Climatological Analysis	
ATM OCN 610	Geophysical Fluid Dynamics I	
ATM OCN 611	Geophysical Fluid Dynamics II	
ATM OCN 630	Introduction to Atmospheric and Oceanic Physics	
ATM OCN 637	Cloud Physics	
ATM OCN 640	Radiation in the Atmosphere and Ocean	
ATM OCN 660	Introduction to Physical Oceanography	
ATM OCN 681	Senior Honors Thesis	
ATM OCN 682	Senior Honors Thesis	
ATM OCN 691	Senior Thesis	
ATM OCN 692	Senior Thesis	
ATM OCN 698	Directed Study [2]	
ATM OCN 699	Directed Study [2]	
Total Credits		**27**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ATM OCN and major courses
- 2.000 GPA on 15 upper-level credits in the major, taken in Residence. [3]
- 15 credits in ATM OCN, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Atmospheric and Oceanic Sciences Major in consultation with the Atmospheric and Oceanic Sciences undergraduate advisor.

REQUIREMENTS

To earn Honors in the Major in Atmospheric and Oceanic Sciences, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA for all ATM OCN courses, and all courses accepted in the major
- Complete the following additional coursework:
  - ATM OCN 610 or ATM OCN 611 and
  - ATM OCN 681 and ATM OCN 682 for a total of 6 credits

FOOTNOTES

[1] Note that core sequence begins in the fall semester only.

[2] A maximum 2 credits of Electives may come from Internship or Directed Study courses.

[3] ATM OCN 300 through ATM OCN 699 are upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and describe the fundamental principles and processes associated with the dynamics and thermodynamics of geophysical fluid flows, the basic physics of clouds, aerosols, and precipitation.
2. Recognize and describe the fundamental principles and processes associated with radiation and atmospheric and oceanic radiative transfer.
3. Demonstrate critical thinking skills by identifying a problem, identifying the required information to solve that problem; and formulating and interpreting solutions to that problem using appropriate analytical and/or computational techniques.
4. Apply diagnostic tools to to analyses and numerical model output to diagnose, describe, and interpret the fundamental dynamical and thermodynamical processes at work in synoptic-scale, mesoscale, and large-scale weather systems and climate circulations.
5. Apply fundamental radiative transfer theory to interpret remotely-sensed observations of atmospheric and oceanic phenomena.
6. Design and conduct experiments and/or analyze data to test hypotheses in an area of atmospheric or climate sciences.
7. Demonstrate effective scientific communication skills through development and delivery of oral presentations (including poster presentations) and written reports and case studies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 221 (QR-B)	5	MATH 222	4
ATM OCN 100 or 101	4	ATM OCN/ENVIR ST 171 (Comm B)	3
Communication A	3	Literature Breadth	3
Foreign Language	4	Biological Science Breadth	3
	16		**13**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	Humanities Breadth	3
PHYSICS 207	5	PHYSICS 208	5
Biological Science Breadth	3	COMP SCI 220	4
Ethnic Studies	4	Social Science Breadth	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
ATM OCN 310	3	ATM OCN 311	3
ATM OCN 330	3	ATM OCN 340	3
Literature Breadth	3	Biological Science Breadth	3
ADV MATH/COMP SCI/ STATS	3	Humanities Breadth	3
Social Science Breadth	4	Elective	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
ATM OCN 400 or higher	3	ATM OCN numbered 400 or higher	3
ATM OCN 400 or higher	4	ATM OCN numbered 400 level or higher	4
Elective	4	ATM OCN 699 (or elective)	3
Social Science Breadth	4	ATM OCN 405	1
		Elective	3
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Atmospheric and Oceanic Sciences website (https://www.aos.wisc.edu/academics/undergraduate/admission/).

Contact the Undergraduate Academic Advising Manager with your questions about exploring or declaring the major.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ENVIRONMENTAL SCIENCES, BA (L&S)

The Environmental Sciences major satisfies the growing demand among entry-level students for a rigorous, science-based program that promotes critical thinking and emphasizes environmental problem solving in service to society. The program is designed to prepare graduates who will be highly competitive for entry-level positions in nonprofit and private sectors, and for master's programs and doctoral research programs in environmental fields. Possible career paths include environmental monitoring, consulting, education, research, and planning, as well as natural resource management, ecology restoration, remediation, water and air quality assessment, sustainability practices, and more. Undergraduates in Environmental Sciences prepare for a variety of career and graduate school opportunities that require a strong background in the natural sciences. Foundational course work in the major includes calculus, biology, chemistry, and physics. Core and elective course work is fulfilled through diverse offerings from both the College of Agricultural and Life Sciences and the College of Letters & Science.

The Environmental Sciences major can be earned in either the College of Agricultural and Life Sciences (CALS) or the College of Letters & Science (L&S) under the bachelor of science (BS) or bachelor of arts (BA) degree program. An undergraduate BS degree is offered through both colleges. A BA option is offered through L&S only. Students are encouraged to review the degree requirements for both L&S and CALS and choose the college from which they would prefer to earn their degree; students may choose only one degree "home."

- In CALS, the major is housed in the Department of Soil and Environmental Sciences.
- In L&S, the major is housed in the Department of Atmospheric and Oceanic Sciences.

The major can be taken as a stand-alone or as a double major with a variety of other majors on campus, including Biology, Community & Environmental Sociology, Life Sciences Communication, foreign language/culture, and a number of other disciplines.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students majoring in Environmental Sciences must complete a minimum of 58 credits (detailed below). Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement.

MATHEMATICS AND STATISTICS

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1 (Recommended)	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211	Survey of Calculus 1	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

CHEMISTRY

Code	Title	Credits
General Chemistry (complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry (complete one of the following):		3
CHEM 341	Elementary Organic Chemistry	
CHEM 343	Organic Chemistry I	
Total Credits		**8-13**

BIOLOGY

Code	Title	Credits
Complete one of the following:		10
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
BOTANY/ BIOLOGY 130 & ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	General Botany and Animal Biology and Animal Biology Laboratory	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	
Total Credits		**10**

PHYSICS

Code	Title	Credits
Complete one of the following:		4-5
PHYSICS 207	General Physics (recommended)	
PHYSICS 201	General Physics	
PHYSICS 103	General Physics	
Total Credits		**4-5**

MAJOR FOUNDATION

Code	Title	Credits
Complete one of the following:		3
GEOSCI/ ENVIR ST 106	Environmental Geology	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
SOIL SCI 250	Introduction to Environmental Science	
Total Credits		**3**

MAJOR CORE

Complete at least one course and 3 credits from each of these following areas:

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology (Recommended)	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3

CIV ENGR 320	Environmental Engineering	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
COMP SCI 220	Data Science Programming I	4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Environmental Policy & Social Perspectives

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOSCI/ ENVIR ST 411	Energy Resources	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources	3-4

MAJOR ELECTIVES

Students may consult with their environmental sciences advisor regarding pathways to complete the major electives requirement. Students must complete 12 credits of electives either by:

1. distributing 12 credits across at least three categories;
2. focusing 12 credits in a single category.

Distributed Electives

Students choosing the Distributed Electives path must complete a total of **12 credits** of Environmental Sciences Electives from the categories below, including **at least one course** from **each** category(Ecology, Physical Environment, Geospatial Sciences).

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 320	Field Marine Biology	3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3

SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Focused Electives

Students choosing the Focused Electives path must complete a total of **12 credits** of Environmental Sciences Electives from **one** of the following categories (Ecology, Physical Environment, Geospatial Sciences, or Environmental Policy & Social Perspectives).

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 320	Field Marine Biology	3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3

CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Environmental Policy & Social Perspectives

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOSCI/ ENVIR ST 411	Energy Resources	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources	3-4

[1] Students may consult their environmental sciences advisor regarding alternate ways to complete the major electives requirement.

CAPSTONE [2]

Code	Title	Credits
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
CIV ENGR 515	Hydroclimatology for Water Resources Management	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
LAND ARC 668	Restoration Ecology	3
PL PATH 315	Plant Microbiomes	4
PLANTSCI 376 & PLANTSCI 378	Tropical Horticultural Systems and Tropical Horticultural Systems International Field Study	4
PLANTSCI 510	Senior Capstone Experience	2
SOIL SCI 499	Soil Management	3

[2] Students may speak with their Environmental Sciences advisor about alternatives (e.g., courses, directed study, senior thesis) to complete the capstone. To be approved, the alternative must be taken for a minimum of 3 credits, clearly focused on environmental science, and approved by the Environmental Sciences Administrative Committee. Students must consult with their environmental sciences advisor and fill out all necessary paperwork before registering.

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA and 15 credits of upper level major courses taken in residence [3]
- 15 credits in the major taken on the UW–Madison campus

[3] Major courses numbered 300 through 699 are considered upper level.

HONORS IN THE MAJOR

Honors in the Major is not available in Environmental Sciences.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of Environmental Science fundamentals in the context of biology, chemistry, mathematics, statistics, and physics.
2. Demonstrate a quantitative and qualitative understanding of the ecological relationships (material and energetic) between organisms, both as individuals and in groups, and their biotic and abiotic environment. This may include processes influencing the distribution and abundance of organisms.
3. Demonstrate a quantitative and qualitative understanding of the physical, largely abiotic, conditions (e.g. climate, water, soil, air, noise, greenspace, etc.) of the environment. The physical environment can include natural or managed settings such as urban environments.
4. Demonstrate a quantitative and qualitative understanding of geospatial processes and information as it relates to the environment including how to collect, interpret, and analyze geospatial information regarding the features of the Earth's surface. These technologies may include geographic information systems (GIS), the global positioning system (GPS), digital maps, and satellite based remote sensing.
5. Demonstrate a basic understanding of relationships that focus on the organization and implementation of laws, regulations, and other policy mechanisms concerning environmental issues and sustainability and their effect on society. This includes how human behaviors influences, and are also influenced by, the natural environment.
6. Apply skills in critical thinking, problem identification and resolution of a complex environmental issues that require interdisciplinary solutions and team-based work.
7. Articulate the role of environmental science in one or more focused areas of a specific environmental discipline (e.g. geology, soils, atmosphere, water, plants, animals).
8. Demonstrate expertise in organizing and presenting (written and oral) scientific information to both lay and professional audiences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4	CHEM 104	5
MATH 114 or 171	5	MATH 221 or 217	5
Foreign Language	4	Environmental Sciences Foundation Course	3
Comm A	3	Foreign Language	4
	16		**17**

Second Year

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151 or BOTANY 130	5	BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 (or BIOLOGY 152)	5
CHEM 341, 343, or 561	3	STAT 371	3
Social Science Course	3	Humanities/Ethnic Studies Course	4
Literature Course	3	Elective	3
INTER-LS 210	1		
	15		**15**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 207, 201, or 103	5	Major Core Course	3
Major Core Course	3	Major Core Course	4
Major Core Course	3	Literature Course	3
Social Science Course	3	Elective	3
		Elective	2
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
Environmental Sciences Major Elective Course	3	Environmental Sciences Major Elective Course	3
Environmental Sciences Major Elective Course	3	Social Science Course	3
Capstone	3	Environmental Sciences Major Elective Course	4
Elective	3	Humanities Course	3
Social Science Course	3		
	15		**13**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Environmental Sciences website (https://envirosci.wisc.edu/advising/).

Any Letters & Science student interested in the Environmental Sciences major should the Undergraduate Academic Advising Manager to set up an appointment to explore or declare the major.

CAREERS

A major in Environmental Sciences serves as excellent preparation for careers of great diversity, including environmental modeling, agricultural scientist, botanist, ecologist, park ranger, agricultural technician, air and water quality manager, environmental analyst, air pollution analyst, environmental consultant, environmental educator, GIS analyst, project manager, hazardous waste manager, hydrologist, environmental lawyer, soil conservation technician, and natural resource specialist. For more info about careers, please visit our website (http://envirosci.wisc.edu/careers-internships/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ENVIRONMENTAL SCIENCES, BS (L&S)

The Environmental Sciences major satisfies the growing demand among entry-level students for a rigorous, science-based program that promotes critical thinking and emphasizes environmental problem solving in service to society. The program is designed to prepare graduates who will be highly competitive for entry-level positions in nonprofit and private sectors, and for master's programs and doctoral research programs in environmental fields. Possible career paths include environmental monitoring, consulting, education, research, and planning, as well as natural resource management, ecology restoration, remediation, water and air quality assessment, sustainability practices, and more. Undergraduates in Environmental Sciences prepare for a variety of career and graduate school opportunities that require a strong background in the natural sciences. Foundational course work in the major includes calculus, biology, chemistry, and physics. Core and elective course work is fulfilled through diverse offerings from both the College of Agricultural and Life Sciences and the College of Letters & Science.

The Environmental Sciences major can be earned in either the College of Agricultural and Life Sciences (CALS) or the College of Letters & Science (L&S) under the bachelor of science (BS) or bachelor of arts (BA) degree program. An undergraduate BS degree is offered through both colleges. A BA option is offered through L&S only. Students are encouraged to review the degree requirements for both L&S and CALS and choose the college

from which they would prefer to earn their degree; students may choose only one degree "home."

- In CALS, the major is housed in the Department of Soil and Environmental Sciences.
- In L&S, the major is housed in the Department of Atmospheric and Oceanic Sciences.

The major can be taken as a stand-alone or as a double major with a variety of other majors on campus, including Biology, Community & Environmental Sociology, Life Sciences Communication, foreign language/culture, and a number of other disciplines.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students majoring in Environmental Sciences must complete a minimum of 58 credits (detailed below). Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement and/or a college requirement.

MATHEMATICS AND STATISTICS

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1 (Recommended)	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211	Survey of Calculus 1	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

CHEMISTRY

Code	Title	Credits
General Chemistry (complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry (complete one of the following):		3
CHEM 341	Elementary Organic Chemistry	
CHEM 343	Organic Chemistry I	
Total Credits		**8-13**

BIOLOGY

Code	Title	Credits
Complete one of the following:		10
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
BOTANY/ BIOLOGY 130 & ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	General Botany and Animal Biology and Animal Biology Laboratory	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	
Total Credits		**10**

PHYSICS

Code	Title	Credits
Complete one of the following:		4-5
PHYSICS 207	General Physics (recommended)	
PHYSICS 201	General Physics	
PHYSICS 103	General Physics	
Total Credits		**4-5**

MAJOR FOUNDATION

Code	Title	Credits
Complete one of the following:		3
GEOSCI/ ENVIR ST 106	Environmental Geology	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
SOIL SCI 250	Introduction to Environmental Science	
Total Credits		**3**

MAJOR CORE

Complete at least one course and 3 credits from each of these following areas:

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology (Recommended)	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2

F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
COMP SCI 220	Data Science Programming I	4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Environmental Policy & Social Perspectives

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOSCI/ ENVIR ST 411	Energy Resources	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources	3-4

MAJOR ELECTIVES

Students may consult with their environmental sciences advisor regarding pathways to complete the major electives requirement. Students must complete 12 credits of electives either by:

1. distributing 12 credits across at least three categories;
2. focusing 12 credits in a single category.

Distributed Electives

Students choosing the Distributed Electives path must complete a total of **12 credits** of Environmental Sciences Electives from the categories below, including **at least one course** from **each** category(Ecology, Physical Environment, Geospatial Sciences).

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 320	Field Marine Biology	3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3

ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3
SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Focused Electives

Students choosing the Focused Electives path must complete a total of **12 credits** of Environmental Sciences Electives from **one** of the following categories (Ecology, Physical Environment, Geospatial Sciences, or Environmental Policy & Social Perspectives).

Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM/BOTANY/ ZOOLOGY 473	Plant-Insect Interactions	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 410	Principles of Silviculture	3

F&W ECOL/AN SCI/ ZOOLOGY 520	Ornithology	3
F&W ECOL/AN SCI/ ZOOLOGY 521	Birds of Southern Wisconsin	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
SOIL SCI 323	Soil Biology	3
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 320	Field Marine Biology	3

Physical Environment

Code	Title	Credits
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	3
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ATM OCN/ ENVIR ST/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN/ ENVIR ST 355	Introduction to Air Quality	3
ATM OCN 425	Global Climate Processes	3
ATM OCN/ ENVIR ST 520	Bioclimatology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 324	Environmental Engineering Thermodynamics	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOSCI 304	Geobiology	3
GEOSCI 551	Paleoceanography	3
GEOSCI/G L E 627	Hydrogeology	3-4
GEOSCI/G L E 629	Contaminant Hydrogeology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
SOIL SCI 430	Soil Pollution and Human Health	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI 621	Soil and Environmental Chemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

Geospatial Sciences

Code	Title	Credits
ATM OCN 575	Climatological Analysis	3-4
ENVIR ST/ CIV ENGR/ LAND ARC 556	Remote Sensing Digital Image Processing	3
F&W ECOL 458	Environmental Data Science	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3
SOIL SCI 585	Using R for Soil and Environmental Sciences	3

SOIL SCI/ENVIR ST/ LAND ARC 695	Applications of Geographic Information Systems in Natural Resources	3

Environmental Policy & Social Perspectives

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
C&E SOC/CURRIC/ ENVIR ST 405	Education for Sustainable Communities	3
C&E SOC/ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOSCI/ ENVIR ST 411	Energy Resources	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources	3-4

[1] Students may consult their environmental sciences advisor regarding alternate ways to complete the major electives requirement.

CAPSTONE [2]

Code	Title	Credits
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
CIV ENGR 515	Hydroclimatology for Water Resources Management	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
LAND ARC 668	Restoration Ecology	3
PL PATH 315	Plant Microbiomes	4
PLANTSCI 376 & PLANTSCI 378	Tropical Horticultural Systems and Tropical Horticultural Systems International Field Study	4
PLANTSCI 510	Senior Capstone Experience	2
SOIL SCI 499	Soil Management	3

[2] Students may speak with their Environmental Sciences advisor about alternatives (e.g., courses, directed study, senior thesis) to complete the capstone. To be approved, the alternative must be taken for a minimum of 3 credits, clearly focused on environmental science, and approved by the Environmental Sciences Administrative Committee. Students must consult with their environmental sciences advisor and fill out all necessary paperwork before registering.

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA and 15 credits of upper level major courses taken in residence [3]
- 15 credits in the major taken on the UW–Madison campus

[3] Major courses numbered 300 through 699 are considered upper level.

HONORS IN THE MAJOR

Honors in the Major is not available in Environmental Sciences.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of Environmental Science fundamentals in the context of biology, chemistry, mathematics, statistics, and physics.
2. Demonstrate a quantitative and qualitative understanding of the ecological relationships (material and energetic) between organisms, both as individuals and in groups, and their biotic and abiotic environment. This may include processes influencing the distribution and abundance of organisms.
3. Demonstrate a quantitative and qualitative understanding of the physical, largely abiotic, conditions (e.g. climate, water, soil, air, noise, greenspace, etc.) of the environment. The physical environment can include natural or managed settings such as urban environments.
4. Demonstrate a quantitative and qualitative understanding of geospatial processes and information as it relates to the environment including how to collect, interpret, and analyze geospatial information regarding the features of the Earth's surface. These technologies may include geographic information systems (GIS), the global positioning system (GPS), digital maps, and satellite based remote sensing.
5. Demonstrate a basic understanding of relationships that focus on the organization and implementation of laws, regulations, and other policy mechanisms concerning environmental issues and sustainability and their effect on society. This includes how human behaviors influences, and are also influenced by, the natural environment.
6. Apply skills in critical thinking, problem identification and resolution of a complex environmental issues that require interdisciplinary solutions and team-based work.
7. Articulate the role of environmental science in one or more focused areas of a specific environmental discipline (e.g. geology, soils, atmosphere, water, plants, animals).
8. Demonstrate expertise in organizing and presenting (written and oral) scientific information to both lay and professional audiences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
CHEM 103 or 109	4	CHEM 104	5
MATH 114 or 171	5	MATH 221 or 217	5
Foreign Language	4	Environmental Sciences Foundation Course	3
Comm A	3	Foreign Language	4
	16		**17**

Second Year

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151 or BOTANY 130	5	BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 (or BIOLOGY 152)	5
CHEM 341, 343, or 561	3	STAT 371	3
Social Science Course	3	Humanities/Ethnic Studies Course	4
Literature Course	3	Elective	3
INTER-LS 210	1		
	15		**15**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 207, 201, or 103	5	Major Core Course	3
Major Core Course	3	Major Core Course	4
Major Core Course	3	Literature Course	3
Social Science Course	3	Elective	3
		Elective	2
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
Environmental Sciences Major Elective Course	3	Environmental Sciences Major Elective Course	3
Environmental Sciences Major Elective Course	3	Social Science Course	3
Capstone	3	Environmental Sciences Major Elective Course	4
Elective	3	Humanities Course	3
Social Science Course	3		
	15		**13**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Environmental Sciences website (https://envirosci.wisc.edu/advising/).

Any Letters & Science student interested in the Environmental Sciences major should the Undergraduate Academic Advising Manager to set up an appointment to explore or declare the major.

CAREERS

A major in Environmental Sciences serves as excellent preparation for careers of great diversity, including environmental modeling, agricultural scientist, botanist, ecologist, park ranger, agricultural technician, air and water quality manager, environmental analyst, air pollution analyst, environmental consultant, environmental educator, GIS analyst, project manager, hazardous waste manager, hydrologist, environmental lawyer, soil conservation technician, and natural resource specialist. For more info about careers, please visit our website (http://envirosci.wisc.edu/careers-internships/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

BIOLOGY CORE CURRICULUM

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Biology Core Curriculum Honors, Certificate (p. 526)

BIOLOGY CORE CURRICULUM HONORS, CERTIFICATE

Biology Core Curriculum (Biocore (http://www.biocore.wisc.edu/)) is an undergraduate Honors biology certificate program for students who are motivated to learn biology within a small community of students, peer mentors, and faculty instructors. The four-semester curriculum of lecture and laboratory courses provides an integrated foundation of knowledge and skills applicable to any area of bioscience.

Biocore is not a major but fulfills requirements for a variety of biological science majors including those in the College of Agricultural and Life Sciences, College of Letters & Science, College of Engineering, and School of Pharmacy. See the Biocore website and video (http://www.biocore.wisc.edu/about/) to learn more.

Biocore includes:

- Small classes and high faculty/instructor contact
- Emphasis on research, problem solving, science reasoning, group learning, and communication
- Inclusive, collaborative community of students and faculty
- Peer mentoring, outreach, and directed study opportunities
- Biocore Honors certificate.

HOW TO GET IN

HOW TO GET IN

Biocore is an application-based Honors program that starts in the fall. While any UW–Madison student admitted to Biocore can take courses and complete the program, only students in the College of Agricultural and Life Sciences, the College of Engineering, the School of Human Ecology, the College of Letters & Science, the School of Education, the School of Pharmacy and the School of Business will be eligible to have the certificate noted on their transcript.

Application options:

Applications are available through the Biocore website (https://biocore.wisc.edu/biocore-admissions/) starting in mid-December. Most students apply during the spring of freshman year and begin fall of sophomore year.

- Early application deadline on first Friday of January for notification prior to beginning of spring semester
- Regular application deadline in mid-March prior to April registration
- Rolling application review after March deadline right up to the start of fall classes

PREREQUISITES

Please inquire about course equivalents.

Code	Title	Credits
Introductory Chemistry		
Complete one of the following:		5
CHEM 104	General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115	Chemical Principles I	
Total Credits		**5**

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Complete the following lecture courses (in sequence):		
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 383	Cellular Biology	3
BIOCORE 485	Principles of Physiology	3

BIOCORE 587	Biological Interactions	3
Complete two of the following lab courses (in any order):		**4**
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Total Credits		**16**

RESIDENCE AND QUALITY OF WORK

- Minimum 3.3000 University GPA
- Grade of B or better in all BIOCORE and courses used for the certificate

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate a learning mindset and intellectual curiosity for biology.
2. Demonstrate advanced level scientific reasoning and integration of biological concepts and processes – from molecules to the biosphere, across different forms of life, through space and time.
3. Generate novel scientific questions, formulate hypotheses, carry out experiments, and make logical conclusions based on evidence.
4. Demonstrate advanced scientific communication skills, oral and written, and the ability to translate their understanding to the broader community.
5. Actively engage in and practice group learning, collaboration, and teamwork.
6. Reach for and achieve high standards in the quality of learning.
7. Articulate the value of the Biocore Honors experience.

ADVISING AND CAREERS

ADVISING AND CAREERS

Some majors require students to complete the whole program, but others do not. Check on your major requirements and with an academic advisor in your major. Review sample four-year schedules (https://biocore.wisc.edu/four-year-schedules/) for how Biocore fits into many different bioscience majors. Students who plan to study abroad during their junior year can plan to start Biocore as sophomores and complete coursework as seniors.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The Biocore Experience is aligned with the Wisconsin Experience, supporting students' development of knowledge, intellectual skills, and social responsibilities.

Biocore is an Honors biology program, a *community,* and a *curriculum* that challenges students to discover and reach their academic potential within an inclusive and supportive biology education program. The Biocore Honors community of highly motivated students works with dedicated faculty to extend opportunities for scientific research, communication, integrative learning, and collaboration in the context of a four-semester undergraduate biology curriculum.

STUDENTS SAY:

"Biocore has helped me think about science in a completely different way."

"I have never been so challenged, nor so excited about learning, as during my time in Biocore."

"Biocore taught me how to think critically and how to question. I learned to be part of a team and made some great friendships. "

"Taking Biocore made other advanced courses in biology/biochemistry/genetics so much easier because I gained such solid background knowledge."

"Biocore has been my most valuable academic experience yet. It has helped me develop my scientific writing skills, ability to problem solve as a member of a team, and to think like a scientist."

"The great staff and teaching teams are excellent—they really care and invest a huge amount of time to benefit our learning."

See Biocore Experience video (https://youtu.be/YavNVg7eXaA/), recent Biocore Honors graduate profiles (https://biocore.wisc.edu/biocore-graduates/), and alumni profiles (http://www.biocore.wisc.edu/alumni/).

In addition to courses, Biocore offers co-curricular and leadership opportunities. Students are also able to engage in Biocore peer advising (https://biocore.wisc.edu/biocore-peer-advisors/), Biocore peer mentoring (https://biocore.wisc.edu/biocore-peer-mentors/), undergraduate TAships, as well as engage in directed study and research opportunities in the Biocore Prairie (https://biocore.wisc.edu/biocore-

prairie/), go outside the classroom with Biocore Adventure Club, and in K–12 outreach through the Biocore Outreach Ambassadors (https://biocore.wisc.edu/biocore-outreach-ambassadors/).

BOTANY

The Department of Botany provides an introduction to the living world: the diversity of its organisms; its historical origins through evolution; its principles of structure, function, and ecology; and its interactions, relationships, and effects on the nonliving world. Botany is the science of plants, algae, fungi, and bacteria—all living organisms except animals. Green plants and algae provide the photosynthetic energy for fueling all other life on earth and drive global water and carbon cycles. Fungi and bacteria are the fundamental recyclers of the earth.

The study of botany provides a broad background in the principles of modern biology and gives a solid foundation for careers in environmental studies, conservation biology, ecology, systematics, evolution, genetics, physiology, biotechnology, agriculture, and horticulture. Jobs requiring such preparation include teaching in secondary schools and colleges, research and development in industry and medicine, stewardship of our natural world through private and governmental programs, and research and teaching in academia.

Undergraduates interested in majoring in botany should take an introductory course or course sequence in their freshmen or sophomore years:

Code	Title	Credits
Option A (strongly recommended)		
BOTANY/ BIOLOGY 130	General Botany	5
With or without the following:		
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	5
Option B (also appropriate)		
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
BIOLOGY/BOTANY/ ZOOLOGY 152	Introductory Biology	5
Option C (also appropriate)		
Biology Core Curriculum		

The general undergraduate Botany advisor will help guide students to a botany faculty member in their field of interest, who should be chosen as soon as possible—no later than the junior year. All Botany faculty members serve as advisors for their special fields.

The department encourages undergraduates to participate in its activities. Volunteers are welcome in the herbarium and greenhouses. There are a few paid positions there and in many of the research laboratories as well.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Botany, BA (p. 528)
- Botany, BS (p. 532)
- Conservation Biology, BA (p. 536)
- Conservation Biology, BS (p. 542)

BOTANY, BA

The Department of Botany provides an introduction to the living world: the diversity of its organisms; its historical origins through evolution; its principles of structure, function, and ecology; and its interactions, relationships, and effects on the nonliving world. Botany is the science of plants, algae, fungi, and bacteria—all living organisms except animals. Green plants and algae provide the photosynthetic energy for fueling all other life on earth and drive global water and carbon cycles. Fungi and bacteria are the fundamental recyclers of the earth.

The study of botany provides a broad background in the principles of modern biology and gives a solid foundation for careers in environmental studies, conservation biology, ecology, systematics, evolution, genetics, physiology, biotechnology, agriculture, and horticulture. Jobs requiring such preparation include teaching in secondary schools and colleges, research and development in industry and medicine, stewardship of our natural world through private and governmental programs, and research and teaching in academia.

HOW TO GET IN

HOW TO GET IN

Prospective Botany majors should consult with the general undergraduate botany advisor by the beginning of the junior year to outline a course of study appropriate to the student's needs. Major Declaration may occur by meeting with the undergraduate advisor in the major.

To be accepted as a major in Botany, a student must have a grade point average of 2.500 for all science courses taken prior to declaration.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH, CHEMISTRY, AND PHYSICS

Code	Title	Credits
Statistics/Mathematics (One course from the following): [1]		**3**
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
General Chemistry (One of the following):		**5-9**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
CHEM 109	Advanced General Chemistry	
Organic Chemistry [2]		**3**
CHEM 341 or CHEM 343	Elementary Organic Chemistry Organic Chemistry I	
Physics (One course from the following): [3]		**3-5**
PHYSICS 115	Energy and Climate (preferred)	
PHYSICS 103	General Physics	
PHYSICS 104	General Physics	
PHYSICS 201	General Physics	
PHYSICS 202	General Physics	
PHYSICS 207	General Physics	
PHYSICS 208	General Physics	
PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 248	A Modern Introduction to Physics	
PHYSICS 249	A Modern Introduction to Physics	
Total Credits		**14-20**

BIOLOGY AND BOTANY REQUIREMENTS

30 credits from:

Code	Title	Credits
Introductory Biology (Complete one option):		**5-10**
Option A, Recommended		
BOTANY/ BIOLOGY 130	General Botany [4]	
Option B: Introductory Biology		

BOTANY/ BIOLOGY/ ZOOLOGY 151	Introductory Biology
BOTANY/ BIOLOGY/ ZOOLOGY 152	Introductory Biology
Option C: BIOCORE	
BIOCORE 381	Evolution, Ecology, and Genetics
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory
BIOCORE 383	Cellular Biology
BIOCORE 384	Cellular Biology Laboratory
BIOCORE 485	Principles of Physiology

Code	Title	Credits
Botany Distribution - Five courses, to include at least one course in these areas:		**15**
Cell, Molecular, Physiology (1 course required):		
BOTANY 300	Plant Anatomy	
or BOTANY 500	Plant Physiology	
Ecology (1 course required):		
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	
or BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
Genetics, Evolution (1 course required): [5]		
BOTANY/ ANTHRO/ ZOOLOGY 410	Evolutionary Biology	
GENETICS 466	Principles of Genetics [2]	
PLANTSCI 338	Plant Breeding and Biotechnology	
GENETICS 467	General Genetics 1	
GENETICS 468	General Genetics 2	
Diversity (1 course required)		
BOTANY 305	Plant Morphology and Evolution	
BOTANY 330	Algae	
BOTANY/ PL PATH 332	Fungi	
BOTANY 400	Plant Systematics	
BOTANY 401	Vascular Flora of Wisconsin	
Optionally, 1 of the 5 required courses may come from this list, or students may take a second course from any area listed above:		
BOTANY/ GEOG 338	Environmental Biogeography	
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	
BOTANY 403	Field Collections and Identification	
BOTANY 422	Plant Geography	
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	
BOTANY/ ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany	
BOTANY/ ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	
BOTANY/ ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	
BOTANY/ BIOCHEM 621	Plant Biochemistry	
AGROECOL 370	Grassland Ecology	
BIOCHEM 501	Introduction to Biochemistry	
BIOCORE 486	Principles of Physiology Laboratory	
BIOCORE 587	Biological Interactions	
MICROBIO 303	Biology of Microorganisms	
ZOOLOGY 570	Cell Biology	

Code	Title	Credits
Independent Research Experience—choose one: [6]		**3-6**
BOTANY 691 & BOTANY 692	Senior Thesis and Senior Thesis	4
BOTANY 681 & BOTANY 682	Senior Honors Thesis and Senior Honors Thesis	6
BOTANY 699	Directed Study	3-4

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all BOTANY and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[7]
- 15 credits in BOTANY, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Botany Major in consultation with the Botany undergraduate advisor.

HONORS IN THE MAJOR IN BOTANY: REQUIREMENTS

To earn Honors in the Major in Botany, students must satisfy the requirements for the major (above) and the following additional requirements:

- 3.300 University GPA
- 3.400 GPA in all BOTANY and major courses
- Complete 12 Honors credits from coursework listed in the "Botany Distribution" requirements[8] or from Intermediate/Advanced Honors coursework in Biocore
- Conduct Senior Honors Thesis research in BOTANY 681 & BOTANY 682 for a total of 6 credits

FOOTNOTES

1 STAT 371, MATH 211, or MATH 221 are strongly recommended for students preparing for graduate school, as these usually are required for entry into post-undergraduate programs.

2 CHEM 341 is the best option for organic chemistry if only one course is to be taken. However, for students who are preparing for graduate school, the three-course organic chemistry sequence (CHEM 343, CHEM 344, & CHEM 345) is strongly recommended instead of CHEM 341, as some graduate programs may require a sequence of organic chemistry courses.

3 PHYSICS 115 is the best choice if one course is to be taken. It is recommended that two semesters of PHYSICS be taken (PHYSICS 103-PHYSICS 104 or PHYSICS 201-PHYSICS 202 or PHYSICS 207-PHYSICS 208).

4 In addition to BOTANY/BIOLOGY 130, ZOOLOGY/BIOLOGY 101 and/or ZOOLOGY/BIOLOGY 102 will count towards 30 credits of Botany major.

5 Completion of the BIOCORE sequence also satisfies the Genetics, Evolution area (BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384 & BIOCORE 485).

6 Students nearing completion of the major should seek out research opportunities with their advisor or faculty supervisor, and register for their project at the end of the junior year.

7 BOTANY 300–BOTANY 699 are considered upper-level in the major.

8 Excluding BOTANY 681 and BOTANY 682.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire and demonstrate foundational understanding of the basic properties of plant life from the subcellular to the ecosystem level of organization.
2. Acquire and demonstrate basic understanding in chemistry, physics, and mathematics to interpret biological phenomena.
3. Acquire and demonstrate detailed knowledge in at least five of these core areas of plant biology: Genetics, Physiology, Structural biology, Ecology, Systematics, Evolution, Cryptogamic biology.
4. Explore these core areas in the context of the laboratory and/or the field.
5. Engage in plant biology research (to include algae, photosynthetic bacteria, and fungi): develop hypotheses, acquire scientific information, and interpret results in the context of the historical scientific literature in one or more specialized botanical subdisciplines.
6. Develop an appreciation of communicating scientific information, especially in written form.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

This plan shown focuses on completing major requirements early enough to be able to pursue advanced interests later. It also includes additional research experiences beyond the minimum, since many students find it helpful to begin research earlier than their senior year. Students interested in graduate school would be advised to take additional courses in the biological, physical, and/or data science fields. Students seeking honors in the Major might want to consult the sample 4-year plans provided by the Biocore (https://guide.wisc.edu/undergraduate/letters-science/biology-core-curriculum/biology-core-curriculum-honors-certificate/) program

First Year

Fall	Credits	Spring	Credits
General chemistry (choose one)[1]	4-5	CHEM 104 (or Elective)	5
CHEM 103 or 109[1]		Introductory Biology First Semester (choose one)	5
Communications A (complete during your first year)	3	BOTANY/ BIOLOGY 130 or BIOLOGY 151	
MATH 221[2]	5	Humanities Breadth	3
Language Requirement Course	3-4	Social Science Breadth	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
CHEM 341[3]	3	PHYSICS 115	3
Introductory Biology First Semester (choose one)	5	STAT 371	3

BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102		BOTANY/AMER IND/ ANTHRO 474 (or an alternate Ethnic Studies course)	3-4
BIOLOGY/BOTANY/ ZOOLOGY 152		Botany Breadth (I/A)	4
Comm B (if not taking BIOLOGY 152) or Elective	3-4		
Social Science Breadth	3		
	15		**14**

Third Year

Fall	Credits	Spring	Credits
BOTANY 499 (or Botany Breadth (I/A))	1-3	Botany Breadth (I/A) Course(s) or Elective(s)	9
Botany Breadth (I/A) Courses	6-7	Literature Breadth (I/A)	3
Humanities Breadth	3	I/A COMP SCI/MATH/ STAT Course (not needed if MATH 221 and STAT 371 taken)	3
Social Science Breadth	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
BOTANY 691	2-3	BOTANY 692	3
Botany Breadth (I/A) Course(s) or Elective(s)	9	Botany Breadth (I/A) Course(s) or Elective(s)	12
Literature Breadth	3		
	15		**15**

Total Credits 120

1 Chemistry sequence CHEM 103 & CHEM 104 recommended.
2 Or a different course in mathematics guided by placement testing.
3 Organic Chemistry full sequence (CHEM 343, CHEM 344, & CHEM 345) recommended, especially for students interested in molecular biology or biochemistry

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students can find information about declaring the major at declaration and advising (https://botany.wisc.edu/undergraduate-study/declaration-and-advising/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

BOTANY, BS

The Department of Botany provides an introduction to the living world: the diversity of its organisms; its historical origins through evolution; its principles of structure, function, and ecology; and its interactions, relationships, and effects on the nonliving world. Botany is the science of plants, algae, fungi, and bacteria—all living organisms except animals. Green plants and algae provide the photosynthetic energy for fueling all other life on earth and drive global water and carbon cycles. Fungi and bacteria are the fundamental recyclers of the earth.

The study of botany provides a broad background in the principles of modern biology and gives a solid foundation for careers in environmental studies, conservation biology, ecology, systematics, evolution, genetics, physiology, biotechnology, agriculture, and horticulture. Jobs requiring such preparation include teaching in secondary schools and colleges, research and development in industry and medicine, stewardship of our natural world through private and governmental programs, and research and teaching in academia.

HOW TO GET IN

HOW TO GET IN

Prospective Botany majors should consult with the general undergraduate botany advisor by the beginning of the junior year to outline a course of study appropriate to the student's needs. Major Declaration may occur by meeting with the undergraduate advisor in the major.

To be accepted as a major in Botany, a student must have a grade point average of 2.500 for all science courses taken prior to declaration.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH, CHEMISTRY, AND PHYSICS

Code	Title	Credits
Statistics/Mathematics (One course from the following): [1]		**3**
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
General Chemistry (One of the following):		**5-9**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
CHEM 109	Advanced General Chemistry	
Organic Chemistry [2]		**3**
CHEM 341	Elementary Organic Chemistry	
or CHEM 343	Organic Chemistry I	
Physics (One course from the following): [3]		**3-5**
PHYSICS 115	Energy and Climate (preferred)	
PHYSICS 103	General Physics	
PHYSICS 104	General Physics	
PHYSICS 201	General Physics	
PHYSICS 202	General Physics	
PHYSICS 207	General Physics	
PHYSICS 208	General Physics	
PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 248	A Modern Introduction to Physics	
PHYSICS 249	A Modern Introduction to Physics	
Total Credits		**14-20**

BIOLOGY AND BOTANY REQUIREMENTS

30 credits from:

Code	Title	Credits
Introductory Biology (Complete one option):		**5-10**
Option A, Recommended		
BOTANY/ BIOLOGY 130	General Botany [4]	
Option B: Introductory Biology		
BOTANY/ BIOLOGY/ ZOOLOGY 151	Introductory Biology	
BOTANY/ BIOLOGY/ ZOOLOGY 152	Introductory Biology	
Option C: BIOCORE		

BIOCORE 381	Evolution, Ecology, and Genetics
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory
BIOCORE 383	Cellular Biology
BIOCORE 384	Cellular Biology Laboratory
BIOCORE 485	Principles of Physiology

Code	Title	Credits
Botany Distribution - Five courses, to include at least one course in these areas:		**15**
Cell, Molecular, Physiology (1 course required):		
BOTANY 300	Plant Anatomy	
or BOTANY 500	Plant Physiology	
Ecology (1 course required):		
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	
or BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
Genetics, Evolution (1 course required): [5]		
BOTANY/ ANTHRO/ ZOOLOGY 410	Evolutionary Biology	
GENETICS 466	Principles of Genetics [2]	
PLANTSCI 338	Plant Breeding and Biotechnology	
GENETICS 467	General Genetics 1	
GENETICS 468	General Genetics 2	
Diversity (1 course required)		
BOTANY 305	Plant Morphology and Evolution	
BOTANY 330	Algae	
BOTANY/ PL PATH 332	Fungi	
BOTANY 400	Plant Systematics	
BOTANY 401	Vascular Flora of Wisconsin	
Optionally, 1 of the 5 required courses may come from this list, or students may take a second course from any area listed above:		
BOTANY/ GEOG 338	Environmental Biogeography	
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	
BOTANY 403	Field Collections and Identification	
BOTANY 422	Plant Geography	
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	
BOTANY/ ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany	
BOTANY/ ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	
BOTANY/ ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	
BOTANY/ BIOCHEM 621	Plant Biochemistry	
AGROECOL 370	Grassland Ecology	
BIOCHEM 501	Introduction to Biochemistry	
BIOCORE 486	Principles of Physiology Laboratory	
BIOCORE 587	Biological Interactions	
MICROBIO 303	Biology of Microorganisms	
ZOOLOGY 570	Cell Biology	

Code	Title	Credits
Independent Research Experience—choose one: [6]		**3-6**
BOTANY 691 & BOTANY 692	Senior Thesis and Senior Thesis	4
BOTANY 681 & BOTANY 682	Senior Honors Thesis and Senior Honors Thesis	6
BOTANY 699	Directed Study	3-4

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all BOTANY and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[7]
- 15 credits in BOTANY, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Botany Major in consultation with the Botany undergraduate advisor.

HONORS IN THE MAJOR IN BOTANY: REQUIREMENTS

To earn Honors in the Major in Botany, students must satisfy the requirements for the major (above) and the following additional requirements:

- 3.300 University GPA
- 3.400 GPA in all BOTANY and major courses
- Complete 12 Honors credits from coursework listed in the "Botany Distribution" requirements[8] or from Intermediate/Advanced Honors coursework in Biocore
- Conduct Senior Honors Thesis research in BOTANY 681 & BOTANY 682 for a total of 6 credits

FOOTNOTES

1 STAT 371, MATH 211, or MATH 221 are strongly recommended for students preparing for graduate school, as these usually are required for entry into post-undergraduate programs.

2 CHEM 341 is the best option for organic chemistry if only one course is to be taken. However, for students who are preparing for graduate school, the three-course organic chemistry sequence (CHEM 343, CHEM 344, & CHEM 345) is strongly recommended instead of

CHEM 341, as some graduate programs may require a sequence of organic chemistry courses.

3 PHYSICS 115 is the best choice if one course is to be taken. It is recommended that two semesters of PHYSICS be taken (PHYSICS 103-PHYSICS 104 or PHYSICS 201-PHYSICS 202 or PHYSICS 207-PHYSICS 208).

4 In addition to BOTANY/BIOLOGY 130, ZOOLOGY/BIOLOGY 101 and/or ZOOLOGY/BIOLOGY 102 will count towards 30 credits of Botany major.

5 Completion of the BIOCORE sequence also satisfies the Genetics, Evolution area (BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384 & BIOCORE 485).

6 Students nearing completion of the major should seek out research opportunities with their advisor or faculty supervisor, and register for their project at the end of the junior year.

7 BOTANY 300–BOTANY 699 are considered upper-level in the major.

8 Excluding BOTANY 681 and BOTANY 682.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire and demonstrate foundational understanding of the basic properties of plant life from the subcellular to the ecosystem level of organization.
2. Acquire and demonstrate basic understanding in chemistry, physics, and mathematics to interpret biological phenomena.
3. Acquire and demonstrate detailed knowledge in at least five of these core areas of plant biology: Genetics, Physiology, Structural biology, Ecology, Systematics, Evolution, Cryptogamic biology.
4. Explore these core areas in the context of the laboratory and/or the field.
5. Engage in plant biology research (to include algae, photosynthetic bacteria, and fungi): develop hypotheses, acquire scientific information, and interpret results in the context of the historical scientific literature in one or more specialized botanical subdisciplines.
6. Develop an appreciation of communicating scientific information, especially in written form.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

This plan shown focuses on completing major requirements early enough to be able to pursue advanced interests later. It also includes additional research experiences beyond the minimum, since many students find it helpful to begin research earlier than their senior year. Students interested in graduate school would be advised to take additional courses in the biological, physical, and/or data science fields. Students seeking honors in the Major might want to consult the sample 4-year plans provided by the Biocore (https://guide.wisc.edu/undergraduate/letters-science/biology-core-curriculum/biology-core-curriculum-honors-certificate/) program

First Year

Fall	Credits	Spring	Credits
General chemistry (choose one)[1]	4-5	CHEM 104 (or Elective)	5
CHEM 103 or 109[1]		Introductory Biology First Semester (choose one)	5
Communications A (complete during your first year)	3	BOTANY/ BIOLOGY 130 or BIOLOGY 151	
MATH 221[2]	5	Humanities Breadth	3
Language Requirement Course	3-4	Social Science Breadth	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
CHEM 341[3]	3	PHYSICS 115	3
Introductory Biology First Semester (choose one)	5	STAT 371	3
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102		BOTANY/AMER IND/ ANTHRO 474 (or an alternate Ethnic Studies course)	3-4
BIOLOGY/BOTANY/ ZOOLOGY 152		Botany Breadth (I/A)	4
Comm B (if not taking BIOLOGY 152) or Elective	3-4		

Social Science Breadth	3		
	15		**14**

Third Year

Fall	Credits	Spring	Credits
BOTANY 499 (or Botany Breadth (I/A))	1-3	Botany Breadth (I/A) Course(s) or Elective(s)	9
Botany Breadth (I/A) Courses	6-7	Literature Breadth (I/A)	3
Humanities Breadth	3	I/A COMP SCI/MATH/ STAT Course (not needed if MATH 221 and STAT 371 taken)	3
Social Science Breadth	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
BOTANY 691	2-3	BOTANY 692	3
Botany Breadth (I/A) Course(s) or Elective(s)	9	Botany Breadth (I/A) Course(s) or Elective(s)	12
Literature Breadth	3		
	15		**15**

Total Credits 120

[1] Chemistry sequence CHEM 103 & CHEM 104 recommended.
[2] Or a different course in mathematics guided by placement testing.
[3] Organic Chemistry full sequence (CHEM 343, CHEM 344, & CHEM 345) recommended, especially for students interested in molecular biology or biochemistry

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students can find information about declaring the major at declaration and advising (https://botany.wisc.edu/undergraduate-study/declaration-and-advising/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CONSERVATION BIOLOGY, BA

Conservation Biology is a science-based major designed to provide students broad training in biological, ecological, and related disciplines most relevant to conservation. The program emphasizes basic knowledge of natural history, whole organism biology, ecological interactions, and field biology. The major is characterized by flexibility with a broad range of opportunities allowing students to tailor the program to their interests. This major appeals to independent students capable of assembling a curriculum that takes maximum advantage of both strong background, diversity, and specialization, as well as the breadth available through an L&S major. The program has a unique appeal to students passionate about conservation biology, from the social scientist to the theoretical ecologist, and empowers students to act as informed citizens of the natural world.

Former UW professors Aldo Leopold and Norman Fassett first initiated this major in the 1940s to prepare individuals for careers as game wardens, ranger naturalists, and museum workers. These opportunities continue and have expanded to include work in environmental education; land restoration and park management; endangered species research and recovery efforts; private conservation organizations and government agencies; and many more. The major is recommended for those seeking a liberal education in the intrinsic values of natural resources and those preparing for graduate study in the rapidly developing field of conservation biology.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core

of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Conservation biology majors must take at least **50 credits** in the major. When selecting courses to meet major requirements, students are encouraged to meet with their Academic Advising Manager to discuss courses that align with their areas of academic interest.

INTRODUCTORY COURSES

Code	Title	Credits
Introductory Biology		**10**
Complete one of the following options:		
Option 1:		
BIOLOGY/ ZOOLOGY 101	Animal Biology	
BIOLOGY/ ZOOLOGY 102	Animal Biology Laboratory	
BIOLOGY/ BOTANY 130	General Botany	
Option 2:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option 3:		
Complete at least 10 credits from the following:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
BIOCORE 486	Principles of Physiology Laboratory	
Chemistry		**4-5**
Complete one of the following:		
CHEM 103	General Chemistry I	
CHEM 108	Chemistry in Our World	
CHEM 109	Advanced General Chemistry (for those who might take more chemistry)	

Physical Environment		**3-5**
Complete one of the following:		
ATM OCN/ GEOSCI 105	Survey of Oceanography	
ENVIR ST/ GEOSCI 106	Environmental Geology	
ENVIR ST/ GEOG 120	Introduction to the Earth System	
ENVIR ST/ GEOG 127	Physical Systems of the Environment	
GEOSCI 100	Introductory Geology: How the Earth Works	
GEOSCI 109	Three billion years beneath your feet: Geology of the National Parks	
Ecology and Evolution		**6-7**
Complete two of the following, each from a different category (students are encouraged to take courses in all three areas):		
Ecology:		
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
Evolution:		
GEOSCI 110	Evolution and Extinction	
or ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
Extinction:		
ENVIR ST/F&W ECOL/ZOOLOGY 360	Extinction of Species	
Statistics		**3**
Complete one of the following:		
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	

SPECIES & FIELD BIOLOGY

Code	Title	Credits
Complete 12 credits from:		
AGROECOL 370	Grassland Ecology	
AN SCI/ F&W ECOL/ ZOOLOGY 520	Ornithology	
AN SCI/ F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	
ANTHRO 391	Bones for the Archaeologist	
ANTHRO 420	Introduction to Primatological Research	
ANTHRO 458	Primate Behavioral Ecology	
ANTHRO 668	Primate Conservation	
BOTANY 330	Algae	
BOTANY/ PL PATH 332	Fungi	
BOTANY/ PL PATH 333	Biology of the Fungi	
BOTANY 400	Plant Systematics	
BOTANY 401	Vascular Flora of Wisconsin	
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	
BOTANY 422	Plant Geography	
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	
BOTANY/ ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	
ENTOM/ ZOOLOGY 302	Introduction to Entomology	
ENTOM 432	Taxonomy and Bionomics of Immature Insects	
ENVIR ST/ ZOOLOGY 315	Limnology-Conservation of Aquatic Resources	
ENVIR ST 375	Field Ecology Workshop	
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	
F&W ECOL 401	Physiological Animal Ecology	
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	
F&W ECOL 655	Animal Population Dynamics	
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	
LAND ARC/ ENVIR ST 361	Wetlands Ecology	
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
PSYCH 449	Animal Behavior [1]	
or ZOOLOGY 42	Behavioral Ecology	
PSYCH 450	Primate Psychology: Insights into Human Behavior	
ZOOLOGY 303	Aquatic Invertebrate Biology	
ZOOLOGY 304	Marine Biology	
ZOOLOGY 320	Field Marine Biology	
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	
ZOOLOGY 430	Comparative Anatomy of Vertebrates	

CONSERVATION BIOLOGY CLASS REQUIREMENT

BOTANY/ENVIR ST/F&W ECOL/ZOOLOGY 516 Conservation Biology

ELECTIVES

Code	Title	Credits
Social Science Electives		
Complete at least one 3 credit course from Social Science elective list:		
A A E 101	Introduction to Agricultural and Applied Economics	
A A E/ ENVIR ST 244	The Environment and the Global Economy	
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany	
C&E SOC/ SOC 140	Introduction to Community and Environmental Sociology	
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	
ECON 101	Principles of Microeconomics	
ENVIR ST/ GEOG 139	Global Environmental Issues	
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	
ENVIR ST/ GEOG 339	Environmental Conservation	
ENVIR ST/ PHILOS 441	Environmental Ethics	
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	
GEOG 344	Changing Landscapes of the American West	
GEOG 359	Australia: Environment and Society	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
Electives to attain 50 credits in the major		
ANTHRO 405	Introduction to Museum Studies in Anthropology	
ATM OCN 100	Weather and Climate	
BOTANY/ PL PATH 123	Plants, Parasites, and People	
BOTANY/ ENVIR ST/ ZOOLOGY 260	Introductory Ecology	
BOTANY 300	Plant Anatomy	
BOTANY 305	Plant Morphology and Evolution	
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	
ENTOM/ ENVIR ST 201	Insects and Human Culture-a Survey Course in Entomology	
ENTOM/ ZOOLOGY 540	Theoretical Ecology	
ENTOM 699	Special Problems	
ENVIR ST/ILS 126	Principles of Environmental Science	
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	
ENVIR ST 307	Literature of the Environment: Speaking for Nature	
ENVIR ST/ SOIL SCI 324	Soils and Environmental Quality	
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems	
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	
ENVIR ST/ GEOG 537	Culture and Environment	
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	
F&W ECOL 375	Special Topics (Freshwater Conservation)	
F&W ECOL 395	Data and GIS Tools for Ecology	
F&W ECOL 561	Wildlife Management Techniques	
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	
F&W ECOL 699	Special Problems	
GENETICS 466	Principles of Genetics	
GENETICS 467	General Genetics 1	
GENETICS 527	Developmental Genetics for Conservation and Regeneration	
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology	
LAND ARC 211	Shaping the Built Environment	
MICROBIO 101	General Microbiology	
MICROBIO 102	General Microbiology Laboratory	
PL PATH 300	Introduction to Plant Pathology	
PL PATH 315	Plant Microbiomes	
PLANTSCI 376	Tropical Horticultural Systems	
SOIL SCI 301	General Soil Science	
ZOOLOGY 405	Introduction to Museum Studies in the Natural Sciences	

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [2]
- 15 credits in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Conservation Biology Major in consultation with the Conservation Biology undergraduate advisor.

HONORS IN THE CONSERVATION BIOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Conservation Biology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Complete at least 16 credits, taken for Honors, with a grade of B or better, in the conservation biology major, to include a two-semester Senior Honors Thesis in an appropriate department [3]

FOOTNOTES

[1] Students may NOT apply both ZOOLOGY 425 Behavioral Ecology and PSYCH 449 Animal Behavior in the conservation biology program.

[2] Courses in the major numbered 300 through 699 are considered upper level.

[3] Examples include Botany, Zoology, Environmental Studies; see the Conservation Biology advisor to verify that your thesis department will be acceptable.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain the basic concepts of ecology and evolution and how they underpin and apply to the science of conservation biology.
2. Understand and explain the scientific process as related to conservation biology, including the relevance of theories and how hypotheses are tested.
3. Recognize species within some particular group of organisms and explain key aspects of their ecology, phylogeny, and conservation needs.
4. Apply general ecological principles to assess and address conservation threats to particular species, communities, and ecosystems.
5. Investigate and communicate the connections between the biological and social sciences and humanities as they affect conservation programs and activities.
6. Identify, interpret, and communicate conservation ideas, needs and programs to others.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

The Conservation Biology road map is a tool to assist you and your advisor in planning your academic career. Use it along with your DARS report and the Course Guide/Schedule of Classes. Your specific program of study could, and probably will, look different. You should customize the road map to fit your unique path at UW–Madison. Consult with your advisor about the best path for you.

Freshman

Fall	Credits	Spring	Credits
Communication A[1]	3	I/A COMP SCI or MATH (if required for the BS)	3-5
Quantitative Reasoning A	3-5	Ethnic Studies[2]	3
Foreign Language (if needed)	3-4	Social Science Breadth	3
CHEM 103	4	Elective	3
	16		**14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102[3]	5	BOTANY/BIOLOGY 130	5
INTER-LS 210[4]	1	Communication B	3
STAT 301, 371, or 240	3-4	Physical Environment	3-5
Humanities Breadth	3	Social Science Elective in the Major	3-4
Elective	3		
	15		**15**

Junior

Fall	Credits	Spring	Credits
Ecology and Evolution	3-4	Species & Field Biology	3
Species & Field Biology	3	Humanities Breadth	3-4

Humanities Breadth	3-4	Social Science Breadth	3-4
Elective	3-4	Elective	3-4
	15		**15**

Senior

Fall	**Credits**	**Spring**	**Credits**
Ecology and Evolution	3-4	Species & Field Biology	3
Species & Field Biology	3	Elective credit in the major (if needed for 50 credits)	3-4
Humanities Breadth	3-4	Social Science Breadth	3-4
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	3	Elective	4-5
	14		**16**

Total Credits 120

1 While most incoming freshman are required to complete coursework to fulfill the Communication A requirement, students may be exempted by approved college coursework while in high school, AP test scores, or placement testing. Students are expected to satisfy this requirement by the end of their first year of undergraduate study.

2 Students are expected to complete the Ethnic Studies requirement within the first 60 credits of undergraduate study.

3 There are three options for Introductory Biology -- please consult the Requirements page of this Guide for more information. The Communication B requirement can be fulfilled by completion of ZOOLOGY/BIOLOGY/BOTANY 152 or BIOCORE 381,BIOCORE 382, or BIOCORE 384 if you choose to take those courses for Introductory Biology.

4 INTER-LS 210 L&S Career Development: Taking Initiative is recommended, but not required for students pursuing the Conservation Biology major.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Please follow the process described on the Conservation Biology website (https://conservationbiology.ls.wisc.edu/requirements/).

Conservation Biology majors are assigned a professional academic advisor to provide assistance with major declarations, course selection, registration, DARS, L&S degree and major requirements, and tracking progress toward graduation, as well as connecting students with important resources on campus. Because the major is so broad and involves so much choice, it is important for students to meet early and regularly with their academic advisor.

Students contemplating graduate work in a biological discipline are advised to take the following:

Code	**Title**	**Credits**
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	

Although not required for the major, such students are also encouraged to consider the following classes:

Code	**Title**	**Credits**
CHEM 104	General Chemistry II	
GENETICS 466	Principles of Genetics	
PHYSICS 103	General Physics	
PHYSICS 104	General Physics	
MATH 221	Calculus and Analytic Geometry 1	

INTERNSHIP/FIELD EXPERIENCE

Students in the Conservation Biology major are encouraged to take field courses when possible (including suitable study abroad and field-based programs) and to gain additional experience via research, jobs, and internships. Students who wish to obtain academic credit for internships can consider INTER-LS 260 Internship in the Liberal Arts and Sciences or arrange in advance to set up a Directed Study for research or internships with faculty to propose as elective credit in the major. Students pursuing funding for their experiences can refer to the SuccessWorks Internship Fund (https://successworks.wisc.edu/ls-finding-an-internship/money-for-your-internship/), study abroad resources for funding your experience (https://studyabroad.wisc.edu/funding/), and advising with the Office of Student Financial Aid (https://financialaid.wisc.edu/).

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
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- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Find scholarship and funding information on the Conservation Biology website (https://conservationbiology.ls.wisc.edu/scholarships/).

ROLAND H & MAUDE M. BECKER SCHOLARSHIP

Established by Barbara B. Glass in 1988 in memory of her parents, the Roland & Maude Becker Scholarship provides financial assistance to students with a major in conservation biology. The scholarship is a one-time award to help support a conservation experience related to the major. A conservation experience may include an undergraduate research experience, internship experience, study abroad program, etc. Awards will be in the amount of $500 and up to two awards will be awarded per academic year.

SUCCESSWORKS INTERNSHIP FUND

This scholarship (https://successworks.wisc.edu/ls-finding-an-internship/money-for-your-internship/) provides amounts ranging from $2,000 to $5,000 each to help students take advantage of and enable them to participate in a first time internship opportunity that is unpaid or provides a limited stipend.

HILLDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIP

The Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 100 Hilldale awards are available each year. The student researcher receives $3,000, and the faculty/staff research advisor receives $1,000 to help offset research costs (e.g., supplies, faculty or student travel related to the project).

HOLSTROM ENVIRONMENTAL RESEARCH FELLOWSHIP

The Holstrom Environmental Research Fellowship (https://awards.advising.wisc.edu/all-scholarships/holstrom-enviromental-research-fellowship/) supports undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Research proposals must have an environmental focus, and applicants must have at least a junior standing at the time of application. Apply spring semester to fund work on the project during the summer or the following academic year.

UNDERGRADUATE SYMPOSIUM

The annual Undergraduate Symposium (https://ugradsymposium.wisc.edu/) showcases undergraduate creativity, achievement, research, service-learning and community-based research from all areas of study at UW–Madison including the humanities, fine arts, biological sciences, physical sciences, and social sciences. Hundreds of students present, display, or perform their work for members of the university, the surrounding community, family, and friends.

WISCONSIN IDEA FELLOWSHIPS

Wisconsin Idea Fellowships (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/) are awarded annually to undergraduate student projects working toward solving a challenge identified along with local or global community partners. Fellowships are awarded to semester-long or year-long projects designed by an undergraduate student (or group of students) in collaboration with a community organization and a UW–Madison faculty or academic staff member.

CONSERVATION BIOLOGY, BS

Conservation Biology is a science-based major designed to provide students broad training in biological, ecological, and related disciplines most relevant to conservation. The program emphasizes basic knowledge of natural history, whole organism biology, ecological interactions, and field biology. The major is characterized by flexibility with a broad range of opportunities allowing students to tailor the program to their interests. This major appeals to independent students capable of assembling a curriculum that takes maximum advantage of both strong background, diversity, and specialization, as well as the breadth available through an L&S major. The program has a unique appeal to students passionate about conservation biology, from the social scientist to the theoretical ecologist, and empowers students to act as informed citizens of the natural world.

Former UW professors Aldo Leopold and Norman Fassett first initiated this major in the 1940s to prepare individuals for careers as game wardens, ranger naturalists, and museum workers. These opportunities continue and have expanded to include work in environmental education; land restoration and park management; endangered species research and recovery efforts; private conservation organizations and government agencies; and many more. The major is recommended for those seeking a liberal education in the intrinsic values of natural resources and those preparing for graduate study in the rapidly developing field of conservation biology.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Conservation biology majors must take at least **50 credits** in the major. When selecting courses to meet major requirements, students are encouraged to meet with their Academic Advising Manager to discuss courses that align with their areas of academic interest.

INTRODUCTORY COURSES

Code	Title	Credits
Introductory Biology		**10**
Complete one of the following options:		
Option 1:		
BIOLOGY/ ZOOLOGY 101	Animal Biology	
BIOLOGY/ ZOOLOGY 102	Animal Biology Laboratory	
BIOLOGY/ BOTANY 130	General Botany	
Option 2:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option 3:		
Complete at least 10 credits from the following:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
BIOCORE 486	Principles of Physiology Laboratory	

Chemistry		**4-5**
Complete one of the following:		
CHEM 103	General Chemistry I	
CHEM 108	Chemistry in Our World	
CHEM 109	Advanced General Chemistry (for those who might take more chemistry)	
Physical Environment		**3-5**
Complete one of the following:		
ATM OCN/ GEOSCI 105	Survey of Oceanography	
ENVIR ST/ GEOSCI 106	Environmental Geology	
ENVIR ST/ GEOG 120	Introduction to the Earth System	
ENVIR ST/ GEOG 127	Physical Systems of the Environment	
GEOSCI 100	Introductory Geology: How the Earth Works	
GEOSCI 109	Three billion years beneath your feet: Geology of the National Parks	
Ecology and Evolution		**6-7**
Complete two of the following, each from a different category (students are encouraged to take courses in all three areas):		
Ecology:		
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
Evolution:		
GEOSCI 110	Evolution and Extinction	
or ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
Extinction:		
ENVIR ST/F&W ECOL/ZOOLOGY 360	Extinction of Species	
Statistics		**3**
Complete one of the following:		
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	

SPECIES & FIELD BIOLOGY

Code	Title	Credits
Complete 12 credits from:		
AGROECOL 370	Grassland Ecology	
AN SCI/ F&W ECOL/ ZOOLOGY 520	Ornithology	
AN SCI/ F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	
ANTHRO 391	Bones for the Archaeologist	
ANTHRO 420	Introduction to Primatological Research	
ANTHRO 458	Primate Behavioral Ecology	
ANTHRO 668	Primate Conservation	
BOTANY 330	Algae	
BOTANY/ PL PATH 332	Fungi	
BOTANY/ PL PATH 333	Biology of the Fungi	
BOTANY 400	Plant Systematics	
BOTANY 401	Vascular Flora of Wisconsin	
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	
BOTANY 422	Plant Geography	
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	
BOTANY/ ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	
ENTOM/ ZOOLOGY 302	Introduction to Entomology	
ENTOM 432	Taxonomy and Bionomics of Immature Insects	
ENVIR ST/ ZOOLOGY 315	Limnology-Conservation of Aquatic Resources	
ENVIR ST 375	Field Ecology Workshop	
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	
F&W ECOL 401	Physiological Animal Ecology	
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	
F&W ECOL 655	Animal Population Dynamics	
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	
LAND ARC/ ENVIR ST 361	Wetlands Ecology	
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
PSYCH 449	Animal Behavior [1]	
or ZOOLOGY 42	Behavioral Ecology	
PSYCH 450	Primate Psychology: Insights into Human Behavior	
ZOOLOGY 303	Aquatic Invertebrate Biology	
ZOOLOGY 304	Marine Biology	
ZOOLOGY 320	Field Marine Biology	

ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources
ZOOLOGY 430	Comparative Anatomy of Vertebrates

CONSERVATION BIOLOGY CLASS REQUIREMENT

BOTANY/ENVIR ST/F&W ECOL/ZOOLOGY 516 Conservation Biology

ELECTIVES

Code	Title	Credits
Social Science Electives		
Complete at least one 3 credit course from Social Science elective list:		
A A E 101	Introduction to Agricultural and Applied Economics	
A A E/ ENVIR ST 244	The Environment and the Global Economy	
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany	
C&E SOC/ SOC 140	Introduction to Community and Environmental Sociology	
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	
ECON 101	Principles of Microeconomics	
ENVIR ST/ GEOG 139	Global Environmental Issues	
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	
ENVIR ST/ GEOG 339	Environmental Conservation	
ENVIR ST/ PHILOS 441	Environmental Ethics	
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	
GEOG 344	Changing Landscapes of the American West	
GEOG 359	Australia: Environment and Society	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
Electives to attain 50 credits in the major		
ANTHRO 405	Introduction to Museum Studies in Anthropology	
ATM OCN 100	Weather and Climate	
BOTANY/ PL PATH 123	Plants, Parasites, and People	
BOTANY/ ENVIR ST/ ZOOLOGY 260	Introductory Ecology	
BOTANY 300	Plant Anatomy	
BOTANY 305	Plant Morphology and Evolution	
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	
ENTOM/ ENVIR ST 201	Insects and Human Culture-a Survey Course in Entomology	
ENTOM/ ZOOLOGY 540	Theoretical Ecology	
ENTOM 699	Special Problems	
ENVIR ST/ILS 126	Principles of Environmental Science	
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	
ENVIR ST 307	Literature of the Environment: Speaking for Nature	
ENVIR ST/ SOIL SCI 324	Soils and Environmental Quality	
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems	
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	
ENVIR ST/ GEOG 537	Culture and Environment	
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	
F&W ECOL 375	Special Topics (Freshwater Conservation)	
F&W ECOL 395	Data and GIS Tools for Ecology	
F&W ECOL 561	Wildlife Management Techniques	
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	
F&W ECOL 699	Special Problems	
GENETICS 466	Principles of Genetics	
GENETICS 467	General Genetics 1	
GENETICS 527	Developmental Genetics for Conservation and Regeneration	
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology	
LAND ARC 211	Shaping the Built Environment	
MICROBIO 101	General Microbiology	
MICROBIO 102	General Microbiology Laboratory	
PL PATH 300	Introduction to Plant Pathology	
PL PATH 315	Plant Microbiomes	
PLANTSCI 376	Tropical Horticultural Systems	
SOIL SCI 301	General Soil Science	
ZOOLOGY 405	Introduction to Museum Studies in the Natural Sciences	

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [2]
- 15 credits in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Conservation Biology Major in consultation with the Conservation Biology undergraduate advisor.

HONORS IN THE CONSERVATION BIOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Conservation Biology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Complete at least 16 credits, taken for Honors, with a grade of B or better, in the conservation biology major, to include a two-semester Senior Honors Thesis in an appropriate department [3]

FOOTNOTES

[1] Students may NOT apply both ZOOLOGY 425 Behavioral Ecology and PSYCH 449 Animal Behavior in the conservation biology program.

[2] Courses in the major numbered 300 through 699 are considered upper level.

[3] Examples include Botany, Zoology, Environmental Studies; see the Conservation Biology advisor to verify that your thesis department will be acceptable.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain the basic concepts of ecology and evolution and how they underpin and apply to the science of conservation biology.
2. Understand and explain the scientific process as related to conservation biology, including the relevance of theories and how hypotheses are tested.
3. Recognize species within some particular group of organisms and explain key aspects of their ecology, phylogeny, and conservation needs.
4. Apply general ecological principles to assess and address conservation threats to particular species, communities, and ecosystems.
5. Investigate and communicate the connections between the biological and social sciences and humanities as they affect conservation programs and activities.
6. Identify, interpret, and communicate conservation ideas, needs and programs to others.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

The Conservation Biology road map is a tool to assist you and your advisor in planning your academic career. Use it along with your DARS report and the Course Guide/Schedule of Classes. Your specific program of study could, and probably will, look different. You should customize the road map to fit your unique path at UW–Madison. Consult with your advisor about the best path for you.

Freshman

Fall	Credits	Spring	Credits
Communication A[1]	3	I/A COMP SCI or MATH (if required for the BS)	3-5
Quantitative Reasoning A	3-5	Ethnic Studies[2]	3
Foreign Language (if needed)	3-4	Social Science Breadth	3
CHEM 103	4	Elective	3
	16		**14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102[3]	5	BOTANY/BIOLOGY 130	5
INTER-LS 210[4]	1	Communication B	3

STAT 301, 371, or 240	3-4	Physical Environment	3-5
Humanities Breadth	3	Social Science Elective in the Major	3-4
Elective	3		
	15		**15**

Junior

Fall	Credits	Spring	Credits
Ecology and Evolution	3-4	Species & Field Biology	3
Species & Field Biology	3	Humanities Breadth	3-4
Humanities Breadth	3-4	Social Science Breadth	3-4
Elective	3-4	Elective	3-4
	15		**15**

Senior

Fall	Credits	Spring	Credits
Ecology and Evolution	3-4	Species & Field Biology	3
Species & Field Biology	3	Elective credit in the major (if needed for 50 credits)	3-4
Humanities Breadth	3-4	Social Science Breadth	3-4
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	3	Elective	4-5
	14		**16**

Total Credits 120

1 While most incoming freshman are required to complete coursework to fulfill the Communication A requirement, students may be exempted by approved college coursework while in high school, AP test scores, or placement testing. Students are expected to satisfy this requirement by the end of their first year of undergraduate study.

2 Students are expected to complete the Ethnic Studies requirement within the first 60 credits of undergraduate study.

3 There are three options for Introductory Biology -- please consult the Requirements page of this Guide for more information. The Communication B requirement can be fulfilled by completion of ZOOLOGY/BIOLOGY/BOTANY 152 or BIOCORE 381,BIOCORE 382, or BIOCORE 384 if you choose to take those courses for Introductory Biology.

4 INTER-LS 210 L&S Career Development: Taking Initiative is recommended, but not required for students pursuing the Conservation Biology major.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Please follow the process described on the Conservation Biology website (https://conservationbiology.ls.wisc.edu/requirements/).

Conservation Biology majors are assigned a professional academic advisor to provide assistance with major declarations, course selection, registration, DARS, L&S degree and major requirements, and tracking progress toward graduation, as well as connecting students with important resources on campus. Because the major is so broad and involves so much choice, it is important for students to meet early and regularly with their academic advisor.

Students contemplating graduate work in a biological discipline are advised to take the following:

Code	Title	Credits
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
ANTHRO/ BOTANY/ ZOOLOGY 410	Evolutionary Biology	
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	

Although not required for the major, such students are also encouraged to consider the following classes:

Code	Title	Credits
CHEM 104	General Chemistry II	
GENETICS 466	Principles of Genetics	
PHYSICS 103	General Physics	
PHYSICS 104	General Physics	
MATH 221	Calculus and Analytic Geometry 1	

INTERNSHIP/FIELD EXPERIENCE

Students in the Conservation Biology major are encouraged to take field courses when possible (including suitable study abroad and field-based programs) and to gain additional experience via research, jobs, and internships. Students who wish to obtain academic credit for internships can consider INTER-LS 260 Internship in the Liberal Arts and Sciences or arrange in advance to set up a Directed Study for research or internships with faculty to propose as elective credit in the major. Students pursuing funding for their experiences can refer to the SuccessWorks Internship Fund (https://successworks.wisc.edu/ls-finding-an-internship/money-for-your-internship/), study abroad resources for funding your experience (https://studyabroad.wisc.edu/funding/), and advising with the Office of Student Financial Aid (https://financialaid.wisc.edu/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)

- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Find scholarship and funding information on the Conservation Biology website (https://conservationbiology.ls.wisc.edu/scholarships/).

ROLAND H & MAUDE M. BECKER SCHOLARSHIP

Established by Barbara B. Glass in 1988 in memory of her parents, the Roland & Maude Becker Scholarship provides financial assistance to students with a major in conservation biology. The scholarship is a one-time award to help support a conservation experience related to the major. A conservation experience may include an undergraduate research experience, internship experience, study abroad program, etc. Awards will be in the amount of $500 and up to two awards will be awarded per academic year.

SUCCESSWORKS INTERNSHIP FUND

This scholarship (https://successworks.wisc.edu/ls-finding-an-internship/money-for-your-internship/) provides amounts ranging from $2,000 to $5,000 each to help students take advantage of and enable them to participate in a first time internship opportunity that is unpaid or provides a limited stipend.

HILLDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIP

The Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 100 Hilldale awards are available each year. The student researcher receives $3,000, and the faculty/staff research advisor receives $1,000 to help offset research costs (e.g., supplies, faculty or student travel related to the project).

HOLSTROM ENVIRONMENTAL RESEARCH FELLOWSHIP

The Holstrom Environmental Research Fellowship (https://awards.advising.wisc.edu/all-scholarships/holstrom-enviromental-research-fellowship/) supports undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Research proposals must have an environmental focus, and applicants must have at least a junior standing at the time of application. Apply spring semester to fund work on the project during the summer or the following academic year.

UNDERGRADUATE SYMPOSIUM

The annual Undergraduate Symposium (https://ugradsymposium.wisc.edu/) showcases undergraduate creativity, achievement, research, service-learning and community-based research from all areas of study at UW–Madison including the humanities, fine arts, biological sciences, physical sciences, and social sciences. Hundreds of students present, display, or perform their work for members of the university, the surrounding community, family, and friends.

WISCONSIN IDEA FELLOWSHIPS

Wisconsin Idea Fellowships (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/) are awarded annually to undergraduate student projects working toward solving a challenge identified along with local or global community partners. Fellowships are awarded to semester-long or year-long projects designed by an undergraduate student (or group of students) in collaboration with a community organization and a UW–Madison faculty or academic staff member.

CENTER FOR LAW, SOCIETY, AND JUSTICE

The Center for Law, Society, and Justice (CLSJ) houses two interdisciplinary undergraduate programs related to law, legal institutions, and the criminal legal system: the Legal Studies major and the Criminal Justice certificate.

The Legal Studies major provides a liberal arts education across traditional disciplines, focusing on law, legal processes, legal institutions, and their operation in society. In addition to courses in Legal Studies, students can take a wide range of courses offered by other units, including Sociology, Psychology, Religious Studies, Political Science, Educational Policy, African American Studies, Philosophy, Gender and Women's Studies, American Indian Studies, Chicanx/e & Latinx/e Studies, English, and History.

The Criminal Justice certificate provides a critical examination of the many facets of the criminal legal system, including law enforcement, courts, and corrections. Courses from several disciplines and an intensive fieldwork/internship/research experience offer students the opportunity to learn about and understand the dynamics of this field. Students engage in internships in a variety of areas including those focused on mental health, social justice, substance abuse disorders, youth initiatives, prevention programs, legal representation, policing, community corrections, and programs that focus on people who have been victimized.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Criminal Justice, Certificate (p. 548)
- Legal Studies, BA (p. 551)
- Legal Studies, BS (p. 559)

CRIMINAL JUSTICE, CERTIFICATE

The Criminal Justice certificate offers a critical examination of the many facets of the criminal legal system, including law enforcement, courts, and corrections. The certificate takes an interdisciplinary approach based on the understanding that "criminal justice" consists of multiple, interdependent subsystems. Courses from several disciplines and an intensive fieldwork/internship/research experience offer students

the opportunity to learn about the dynamics of this field. Students engage in practical experiences in a variety of areas including those focused on mental health, social justice, substance abuse disorders, youth initiatives, prevention programs, legal representation, policing, community corrections, and programs that focus on people who have been victimized. These experiences develop skills transferable to future professional, community, and educational pursuits.

HOW TO GET IN

HOW TO GET IN

Any UW-Madison undergraduate may earn this certificate as part of their overall degree. Students may declare by completing **this declaration form** or by making an appointment with a Center for Law, Society, and Justice advisor via StarFish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/64448/schedule).

REQUIREMENTS

REQUIREMENTS

The Certificate requires a minimum of six courses and a minimum of 16 credits. The courses must be distributed as follows:

Complete one course from each of the three defined groups and at least three (3) additional elective courses:

CRIMINAL JUSTICE SYSTEM

Code	Title	Credits
LEGAL ST/SOC 131	Criminal Justice in America	3-4

RACE AND JUSTICE STUDIES

At least one course in the certificate must have substantial content dealing with race and justice studies. Additional courses taken in this group will be counted towards the elective requirement. The following courses fulfill the Race and Justice Studies requirement.

Code	Title	Credits
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	3
HDFS 474	Racial Ethnic Families in the U.S.	3
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3-4
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/CHICLA/ SOC 443	Immigration, Crime, and Enforcement	3-4
PUB AFFR 520	Inequality, Race and Public Policy	3
SOC WORK 420	Poverty and Social Welfare	3
SOC WORK 640	Diversity, Oppression and Social Justice in Social Work	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC 633	Social Stratification	3

FIELDWORK/INTERNSHIP/RESEARCH SEMINAR

The primary internship course administered by our program is LEGAL ST/SOC 694 The course requires a concurrent internship. To be eligible for the course, students complete a pre-internship process the semester prior to the internship. The pre-internship process begins with a required orientation. More information can be found here: https://criminaljustice.wisc.edu/academics/internships/ (https://guide.wisc.edu/undergraduate/letters-science/center-law-society-justice/criminal-justice-certificate/more information can be found here: https://criminaljustice.wisc.edu/academics/internships/)

The other listed internship and research opportunities are administered by other programs. Some may be limited to students who are declared in those specific programs. All require advance lead time and authorization for enrollment by the specific program.

Code	Title	Credits
CSCS 601	Internship	1-6
GEN&WS 660	Internship in Gender and Women's Studies	3
INTL ST 523	International Internship	1-3
LEGAL ST 473	Health Impacts of Unmet Social Needs	3
LEGAL ST/SOC 694	Criminal Justice Field Observation	3
HDFS 592	Research Experience in Human Development and Family Studies	1-3
HDFS 601	Internship	1-8
POLI SCI 315	Legislative Internship	3
POLI SCI 402	Wisconsin in Washington Internship Course	4
PUB AFFR 327	Administrative Internship	3
RP & SE 630	Internship in Rehabilitation or Special Education	2-6
SOC 320	Research Practicum in Sociology	1-3
SOC WORK 400	Field Practice and Integrative Seminar I	2-6

ELECTIVES

Students must take three additional courses to meet the six course minimum and to reach at least 16 credits.

Code	Title	Credits
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	3
COUN PSY 237	Mental Health, Self-Awareness, and Social Justice: Working in Diverse Communities	3
COUN PSY 531	Prevention and Intervention in Mental Health Across the Lifespan	3
COUN PSY 655	Clinical Communication Skills	3
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
HDFS 474	Racial Ethnic Families in the U.S.	3
LEGAL ST/ RP & SE 135	Disability and the Criminal Justice System	3
LEGAL ST/ ENGL 160	Truth and Crime	3

LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	3-4
LEGAL ST/CURRIC/ ED POL 250	Incarceration and Education	3
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	3-4
LEGAL ST 409	Human Rights in Law and Society	3
LEGAL ST/ GEN&WS 422	Women and the Law	3
LEGAL ST/ GEN&WS/SOC 425	Crime, Gender and Justice	3
LEGAL ST/ HISTORY 426	The History of Punishment	3-4
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3-4
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/ ELPA 442	Civil Rights Laws, the Courts, and Public Education	3
LEGAL ST/CHICLA/ SOC 443	Immigration, Crime, and Enforcement	3-4
LEGAL ST 444	Law in Action	3
LEGAL ST 450	Topics in Legal Studies and the Humanities	3-4
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	3-4
LEGAL ST/L I S 460	Surveillance, Privacy, and Police Powers	3
LEGAL ST/ HISTORY 477	History of Forensic Science	3
LEGAL ST/LAW/ SOC 641	Sociology of Law	3-4
LEGAL ST/L I S 663	Introduction to Cyberlaw	3
POLI SCI 314	Criminal Law and Justice	3-4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
SOC 421	Processes of Deviant Behavior	3-4
SOC 441	Criminology	3-4
SOC 446	Juvenile Delinquency	3-4
PSYCH/ GEN&WS 322	Sexual & Relationship Violence Research & Activism	3
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 405	Adult Psychopathology	3-4
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC 633	Social Stratification	3
SOC WORK 420	Poverty and Social Welfare	3
SOC WORK 453	Substance Use Disorders	3
SOC WORK 462	Child Welfare	3
SOC WORK 578	Homelessness: A Service Learning Course	4
SOC WORK 612	Psychopathology in Generalist Social Work Practice	2
SOC WORK 623	Interpersonal Violence	3
SOC WORK 627	Sex Trafficking and Sex Trading	2
SOC WORK/ AMER IND 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
SOC WORK 640	Diversity, Oppression and Social Justice in Social Work	3
SOC WORK 646	Child Abuse and Neglect	2
SOC WORK 656	Child Welfare Practice in Foster and Kinship Care, Permanency, and Adoption	2

RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop an appreciation for how the criminal justice system works and how it affects American society as a whole.
2. Develop and improve critical thinking and analytics in written and oral communication skills.
3. Develop an appreciation of mental health and substance abuse as they intersect with the criminal justice system.
4. Develop skills transferable to future professional, community and educational pursuits.
5. Develop an understanding of the effects of race and minority status in the criminal legal system.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING APPOINTMENTS

Please Schedule via Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) with Martine Delannay or Micha Schwab.

If you are not a current UW–Madison student, please email us at cjcp@ssc.wisc.edu to schedule a meeting.

CAREERS

Students who earned the Criminal Justice certificate have secured jobs at law firms, nonprofit organizations, treatment providers, public defender offices, district attorney and prosecutor offices, community corrections providers, social justice agencies, legal clinics, law enforcement agencies, and programs providing services to persons impacted by incarceration.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Involvement in the Criminal Justice certificate provides a solid educational foundation in criminal legal studies. It introduces students to basic concepts about our legal system and its impact on individuals and society. It encourages a critical exploration of issues facing the legal system today and offers opportunities for an evidence-based investigation into realistic solutions. All students complete an intensive fieldwork/internship/research program with an agency or organization related to the legal system.

LEGAL STUDIES, BA

The Legal Studies major provides a liberal arts education across traditional disciplines, focusing on law, legal processes, legal institutions, and their operation in society. In addition to courses in Legal Studies, students can take a wide range of courses offered by other units, including Sociology (https://guide.wisc.edu/courses/soc/), Psychology (https://guide.wisc.edu/courses/psych/), Religious Studies (https://guide.wisc.edu/courses/relig_st/), Political Science (https://guide.wisc.edu/courses/poli_sci/), Educational Policy (https://guide.wisc.edu/courses/ed_pol/), African American Studies (https://guide.wisc.edu/courses/afroamer/), Philosophy (https://guide.wisc.edu/courses/philos/), Gender and Women's Studies (https://guide.wisc.edu/courses/gen_ws/), American Indian Studies (https://guide.wisc.edu/courses/amer_ind/), Chicanx/e & Latinx/e Studies (https://guide.wisc.edu/courses/chicla/), English (https://guide.wisc.edu/courses/engl/), and History (https://guide.wisc.edu/courses/history/).

The curriculum is designed around five themes, each of which is associated with a group of courses, and each of which incorporates comparative and historical approaches.

THEME GROUP 1: LEGAL INSTITUTIONS

Institutions are at the core of social life. They govern our interactions, distribute power and resources, and influence how we make sense of the world. Courses in this theme group focus on those institutions involved in the creation and application of law. They explore such questions as how legal institutions evolve; how legal institutions help determine the shape of law—in doctrine and in action—and how and whether, in turn, legal institutions can be shaped to create different social outcomes. Institutions are central to the studies of society and politics throughout the disciplines, and courses in the group include perspectives from history, anthropology, sociology, political science, and political theory.

THEME GROUP 2: PROCESSES OF LEGAL ORDER AND DISORDER

This theme examines the dynamics of order at the individual and societal levels. In the course of this examination, students are made aware of the political and social biases that can underlie definitions of "order." This theme should also allow students to address how social and political biases relate to divisions of class, race, and gender, and how the mechanisms of conflict resolution and order maintenance can be used to reinforce or challenge existing power structures.

THEME GROUP 3: LAW AND SOCIAL FORCES

This theme group explores the intersection between law, social structures, and social movements. Courses in this group address social inequality, generally in the U.S. context, grounded in ethnoracial, gender, and sexuality-based difference. At critical points, the struggle for equality has taken pointedly legal form, whether in the shape of campaigns for legislative change or recognition, or through the litigation of particular cases. Legal categories have informed social identities. Equally, changing social identities have pushed back on legal categories. Courses integrate broad social dynamics with the rise of organized social movements that use law as an arena in which to reassess social life and values.

THEME GROUP 4: LAW, LITERATURE, AND CULTURE

This theme group introduces students to legal thought, institutions, and practices beyond mainstream or contemporary legal systems, specifically modern Euro-American legal cultures. Courses in this theme group present either culturally based challenges to mainstream modern legal systems or legal systems that are culturally or historically distinct from them. The comparative study of distinct legal traditions and movements forces us to reexamine the cultural presuppositions embedded in modern legal systems, revealing both good reasons for defending mainstream Euro-American laws and arguments and models for changing or questioning prevailing systems. Courses examine historical developments in or affecting law, non-Western legal thought or traditions, and the effect of cultural institutions such as religion, literature, or media on law.

THEME GROUP 5: LAW AND THEORY

Many theoretical and philosophical questions are articulated as propositions about law: its nature, sources, contents, and relations to other

aspects of social life. While only some philosophers or social, political, or legal theorists work specifically in the area of "legal theory," almost all work in any of these areas contributes to our understanding of the sources and nature of law, legal institutions, and legal practices, and for many theorists, explicit discussions of law are central elements of their work. Courses in this theme group focus on the ways in which "law" is treated as a working concept or as a subject of study in theoretical works, and conversely on how understandings drawn from theoretical writings inform our own understanding of law in all its dimensions.

HOW TO GET IN

HOW TO GET IN

REQUIREMENTS TO DECLARE THE MAJOR

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

12 total courses in the following categories and a minimum of 36 credits.

INTRODUCTORY COURSE

Choose one:

Code	Title	Credits
LEGAL ST/SOC 131	Criminal Justice in America	3-4
LEGAL ST/ POLI SCI 217	Law, Politics and Society	3-4

THEME 1: LEGAL INSTITUTIONS

Two courses required from:

Code	Title	Credits
GEN BUS 301	Business Law	3
GEOG 307	International Migration, Health, and Human Rights	3
INTL ST 601	Topics in Global Security (Topic: Human Rights, Lat. Am Policy)	3
INTL ST 602	Topics in Politics and Policy in the Global Economy (Topic: The EU and the World)	3
LEGAL ST/ HISTORY 261	American Legal History to 1860	3
LEGAL ST/ HISTORY 262	American Legal History, 1860 to the Present	3
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	3-4
LEGAL ST/ GEN&WS/SOC 406	Law, Sexuality, & Society	3-4
LEGAL ST 409	Human Rights in Law and Society	3
LEGAL ST/ ELPA 442	Civil Rights Laws, the Courts, and Public Education	3
LEGAL ST 444	Law in Action	3
LEGAL ST/ POLI SCI 445	Legal Writing, from Counselor to Advocate	3
LEGAL ST 450	Topics in Legal Studies and the Humanities	3-4
LEGAL ST/ED POL/ ELPA 542	Law and Public Education	3
LEGAL ST/LAW/ SOC 641	Sociology of Law	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 311	United States Congress	3-4
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 347	Terrorism	3
POLI SCI 349	Global Access to Justice	3
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 400	Topics in Political Science (Topic: Int'l Environmental Politics)	3
POLI SCI 401	Selected Topics in Political Science (Topic: Crime and Politics; Topic: Transitional Justice)	3
POLI SCI 405	State Government and Public Policy	3-4
POLI SCI 408	The American Presidency	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
POLI SCI 414	The Supreme Court as a Political Institution	3
POLI SCI 417	The American Judicial System	3-4
POLI SCI/ PUB AFFR 419	Administrative Law	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI 470	The First Amendment	3-4
POLI SCI 538		3-4
POLI SCI 601	Proseminar: Topics in Political Science (Topic: Supreme Court)	3
POLI SCI 635	Comparative Politics of Sport	3-4
PUB AFFR 270	The Private and Public Sectors in Policymaking	3
PUB AFFR 520	Inequality, Race and Public Policy	3

THEME DISTRIBUTION

Four courses from at least three of the following Theme groups.

Theme 2: Processes of Legal Order and Disorder

Code	Title	Credits
COM ARTS 371	Communication and Conflict Resolution	3
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
INTL ST 601	Topics in Global Security (Topic: International Criminal Justice: Models Practice)	3
LEGAL ST/L I S 460	Surveillance, Privacy, and Police Powers	3
LEGAL ST/SOC 694	Criminal Justice Field Observation	3
POLI SCI 314	Criminal Law and Justice	3-4

PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 601	Current Topics in Psychology (Topic: Juv Delin; Topic: Issues in Prisoner Re-entry)	3
SOC 421	Processes of Deviant Behavior	3-4
SOC 441	Criminology	3-4
SOC 446	Juvenile Delinquency	3-4
SOC 496	Topics in Sociology (Topic: Serial Killers in America)	3

Theme 3: Law and Social Forces

Code	Title	Credits
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	3
AFROAMER 671	Selected Topics in Afro-American History (Topic: Cim Blkns; Race Inprison; TopicL Women US Slavery)	3
AFROAMER 673	Selected Topics in Afro-American Society (*Race and Policing)	3
AMER IND 450	Issues in American Indian Studies (Topic: Indigenous Rights; Topic: Ind Child Welfare; Topic: Land Grant/ Grab; Topic: Sovereignty and the Schoolhouse)	3
ECON 522	Law and Economics	3-4
ED POL/ INTL ST 220	Human Rights and Education	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
GEN&WS/ PSYCH 322	Sexual & Relationship Violence Research & Activism	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
HISTORY 201	The Historian's Craft (Topic: Global History of Unpaid Labor; Topic: Global History of Human Rights)	3-4
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY 500	Reading Seminar in History (*Chinese Law)	3
HISTORY 600	Advanced Seminar in History (Topic: Abolitionist Movements; Gen, War Crimes and Human Rights; Topic: Global Anti-Apartheid Movement; Topic: Indian Removal)	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3
LEGAL ST/JEWISH/ RELIG ST 203	Jewish Law, Business, and Ethics	3
LEGAL ST/ RP & SE 135	Disability and the Criminal Justice System	3
INTL ST 401	Topics in Global Security (Topic: Human Rights in Global Context)	3-4
INTL ST 601	Topics in Global Security (Topic: Refugees in Global Context)	3
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Topic: Spanish: Immigration Law Clinic)	2
LEGAL ST/CURRIC/ ED POL 250	Incarceration and Education	3
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	3-4
LEGAL ST/ GEN&WS/SOC 406	Law, Sexuality, & Society	3-4
LEGAL ST/GEN&WS 422	Women and the Law	3
LEGAL ST/ GEN&WS/SOC 425	Crime, Gender and Justice	3
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	3
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/CHICLA/ SOC 443	Immigration, Crime, and Enforcement	3-4
LEGAL ST 473	Health Impacts of Unmet Social Needs	3
LEGAL ST/L I S 645	Intellectual Freedom	3
LEGAL ST/L I S 663	Introduction to Cyberlaw	3
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 601	Current Topics in Psychology (*Legal Psych)	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4
SOC WORK 375	Contemporary Issues in Social Welfare (Topic: Pwr Poss, SJ and Social Change)	2-3
SOC WORK/ AMER IND 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
SPANISH/ CHICLA 215	Border and Migration Studies of Latinx America	3

Theme 4: Law, Literature and Culture

Code	Title	Credits
ANTHRO 350	Political Anthropology	3-4
ED POL 150	Education and Public Policy	3
ENGL 174	Literature and Social Justice (*Law and Literature)	3
ENGL 177	Literature and Popular Culture (Topic: Narco-Narratives)	3
ENGL 548	Topic in Literature and Politics (*Guilt)	3
ENGL 182	Introduction to Literature for Honors (Topic: Doing Time)	3
ENGL 457	Topic in American Literature and Culture since 1900 (Topic: Law and Literature; Topic: Cultures of AIDS Activism)	3
HISTORY 201	The Historian's Craft (*Shanghai Life)	3-4
HISTORY 500	Reading Seminar in History (*Chinese Law)	3
ILS 371	Interdisciplinary Studies in the Arts and Literature (*Books by Crooks)	3
LEGAL ST/ ENGL 160	Truth and Crime	3
LEGAL ST/ HISTORY 477	History of Forensic Science	3
LEGAL ST/ HISTORY 510	Legal Pluralism	3
LITTRANS 236	Bascom Course-In Translation (*Extreme Stories)	3

Theme 5: Law and Theory

Code	Title	Credits
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY 500	Reading Seminar in History (Topic: Medieval Law and Society)	3
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	3-4
LEGAL ST 407	Jurisprudence and Social Issues	3
LEGAL ST/HISTORY 426	The History of Punishment	3-4
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	3-4
JOURN 563	Law of Mass Communication	4
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
PHILOS 304	Topics in Philosophy: Humanities (Philos and Criminal Punishment)	3-4
PHILOS 341	Contemporary Moral Issues	3-4
PHILOS/C&E SOC/ MED HIST 565	The Ethics of Modern Biotechnology	3

METHODS AND RESEARCH

Two courses, one each from:

Code	Title	Credits
Research Design		
POLI SCI 170	Research Methods in Political Science	
ED POL 308	Introduction to Qualitative Research Methods in Education	
POLI SCI/ JOURN/ URB R PL 373	Introduction to Survey Research	
PSYCH 225	Research Methods	
PUB AFFR 240	Evidence-Based Policy Making	
PUB AFFR 380	Analytic Tools for Public Policy	
SOC/ C&E SOC 357	Methods of Sociological Inquiry	
SOC WORK 650	Methods of Social Work Research	
Statistics		
ECON 310	Statistics: Measurement in Economics	
ED POL 209	Introduction to Quantitative Methods in Education Policy	
GEN BUS 306	Business Analytics I	
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	
PSYCH 210	Basic Statistics for Psychology	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	

CORE PERSPECTIVES

Please note: Though some courses may appear in a Theme and the Core Perspective listing, a single course will only satisfy one (and only one) requirement. Courses will not be double counted in the Theme section and the Core Perspectives section.

Code	Title	Credits
Complete one Core Perspectives course.		
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	
LEGAL ST/ HISTORY 261	American Legal History to 1860	
LEGAL ST/ HISTORY 262	American Legal History, 1860 to the Present	
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	
LEGAL ST/ GEN&WS/ SOC 406	Law, Sexuality, & Society	
LEGAL ST 407	Jurisprudence and Social Issues	
LEGAL ST 409	Human Rights in Law and Society	
LEGAL ST/ GEN&WS/ SOC 425	Crime, Gender and Justice	

LEGAL ST/ HISTORY 426	The History of Punishment
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment
LEGAL ST/ CHICLA/ SOC 440	Ethnicity, Race, and Justice
LEGAL ST/ CHICLA/ SOC 443	Immigration, Crime, and Enforcement
LEGAL ST 450	Topics in Legal Studies and the Humanities
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models
LEGAL ST/ L I S 460	Surveillance, Privacy, and Police Powers
LEGAL ST/ HISTORY 476	Medieval Law and Society
LEGAL ST/ HISTORY 477	History of Forensic Science
LEGAL ST/ HISTORY 510	Legal Pluralism
LEGAL ST 600	Special Topics in Legal Studies
LEGAL ST/SOC 641	Sociology of Law

Electives

Complete at least two courses and any additional credits (as needed) to reach 36 credits in the major. Students may complete either a Senior Thesis sequence or additional courses from the Theme: Legal Institutions or Theme Distribution requirements for the two course minimum.

LEGAL ST 681 & LEGAL ST 682	Senior Honors Thesis and Senior Honors Thesis
LEGAL ST 691 & LEGAL ST 692	Senior Thesis and Senior Thesis
POLI SCI 681 & POLI SCI 682	Senior Honors Thesis and Senior Honors Thesis

GLOBAL LEGAL SYSTEMS

At least two courses in the major must have substantial content dealing with countries or cultures outside the United States, or with the international legal system. For this requirement, a course can count both for purposes of meeting Theme or Core requirements and the Global Legal Systems requirement. The following courses fulfill the Global Legal Systems requirement:

Code	Title	Credits
ANTHRO 350	Political Anthropology	3-4
ENGL 174	Literature and Social Justice (*Law and Literature)	3
ENGL 457	Topic in American Literature and Culture since 1900 (Topic: Law and Literature)	3
ENGL 548	Topic in Literature and Politics (*Guilt)	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEOG 307	International Migration, Health, and Human Rights	3
HISTORY 201	The Historian's Craft (Topic: Shanghai Life and Crime; Topic: Global History of Unpaid Labor; Topic: Global History of Human Rights)	3-4
HISTORY 500	Reading Seminar in History (Topic: Chinese Law)	3
HISTORY 600	Advanced Seminar in History (Topic: Global Anti-Apartheid Movement)	3
INTL ST 401	Topics in Global Security (Topic: Human Rights in Global Context)	3-4
INTL ST 601	Topics in Global Security (Topic: International Criminal Justice; Topic: Human Rights, Lat Am Policy; Topic: Refugees in Global Context)	3
INTL ST 602	Topics in Politics and Policy in the Global Economy (Topic: The EU and the World)	3
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Topic: Spanish: Immigration Law Clinic)	2
LEGAL ST/JEWISH/ RELIG ST 203	Jewish Law, Business, and Ethics	3
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	3-4
LEGAL ST 400	Topics in Legal Studies and the Social Sciences (Topic: Law and Climate Justice)	3
LEGAL ST/ GEN&WS/SOC 406	Law, Sexuality, & Society	3-4
LEGAL ST 409	Human Rights in Law and Society	3
LEGAL ST/SOC 425	Crime, Gender and Justice	3
LEGAL ST/HISTORY 426	The History of Punishment	3-4
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	3
LEGAL ST 450	Topics in Legal Studies and the Humanities (Topic: Criminal Justice and Popular Culture)	3-4
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Constitutionalism and Human Rights)	3-4
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	3-4
LEGAL ST/ HISTORY 476	Medieval Law and Society	3
LEGAL ST/ HISTORY 477	History of Forensic Science	3
LEGAL ST/HISTORY 510	Legal Pluralism	3
LEGAL ST 600	Special Topics in Legal Studies	1-3

LITTRANS 236	Bascom Course-In Translation (Topic: Extreme Stories)	3
LITTRANS 324/ SCAND ST 436	Topics in Scandinavian Literature (Topic: Criminal Utopias)	3-4
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 347	Terrorism	3
POLI SCI 349	Global Access to Justice	3
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 400	Topics in Political Science (Topic: Int'l Environmental Politics)	3
POLI SCI 401	Selected Topics in Political Science (Topic: Global Access to Justice; Topic: Transitional Justice)	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI 635	Comparative Politics of Sport	3-4
SPANISH/ CHICLA 215	Border and Migration Studies of Latinx America	3

RACE AND JUSTICE STUDIES

At least one course in the major must have substantial content dealing with race and justice studies. The following courses fulfill the Race and Justice Studies requirement. For this requirement, a course can count both for purposes of meeting Theme or Core requirements and the Race and Justice Studies requirement.

Code	Title	Credits
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	3
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	3
AFROAMER 671	Selected Topics in Afro-American History (Topic: Women US Slavery)	3
AMER IND 450	Issues in American Indian Studies (Topic: Land Grant/Grab; Topic: Sovereignty and the Schoolhouse)	3
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 403	Immigration and Assimilation in American History	3-4
LEGAL ST 400	Topics in Legal Studies and the Social Sciences (Topic: Criminal Injustice in America)	3-4
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/CHICLA/ SOC 443	Immigration, Crime, and Enforcement	3-4
PUB AFFR 520	Inequality, Race and Public Policy	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LEGAL ST and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[1]
- 15 credits in LEGAL ST and courses for the major, taken on campus

HONORS IN THE MAJOR

Students may apply for admission to Honors in the Legal Studies Major in consultation with the Legal Studies undergraduate advisor(s).

HONORS IN THE LEGAL STUDIES MAJOR: ENTRANCE REQUIREMENTS

- Declaration of the legal studies major
- A 3.300 University GPA
- A 3.500 GPA for all LEGAL ST courses, and all courses accepted in the major
- Completion of or current enrollment in, for Honors credit, at least one course accepted in the major

HONORS IN THE LEGAL STUDIES MAJOR: REQUIREMENTS

To earn Honors in the Major in Legal Studies, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all LEGAL ST courses, and all courses accepted in the major
- Complete the research design and statistics requirements for the regular major prior to enrollment in the Senior Honors Thesis (typically junior year)
- Complete 15 credits in the major, taken for Honors, earning a B or better grade in each course
- Complete a two-semester Senior Honors thesis in LEGAL ST 681 and LEGAL ST 682, for a total of 6 credits.

FOOTNOTES

[1] Upper-level in the major includes all LEGAL ST and major courses that are designated Intermediate or Advanced level.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Analyze and articulate their own arguments about how social, political, and cultural phenomena shape law and legal systems.
2. Analyze and articulate their own arguments about the social, political, and cultural impacts of law at the societal and individual levels.
3. Demonstrate knowledge about how legal ideas and ideologies have changed over time and have shaped law and legal systems.
4. Demonstrate their abilities to find, interpret, and utilize resources relevant to law and society.
5. Demonstrate their abilities to analyze information, to write clearly and persuasively, and to construct original arguments.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A (complete during the first year)	3	Ethnic Studies (complete within first 60 credits)	3
Quantitative Reasoning A (complete during the first year)	3	Humanities Breadth	3
Language (if needed)	3-4	Biological Science Breadth	3
LEGAL ST/SOC 131 or 217	3-4	I/A COMP SCI, MATH, or STAT (if required for the BS)	3-4
First-Year Seminar (optional)	1	Electives	3
	13		**15**

Second Year

Fall	Credits	Spring	Credits
Legal Studies Theme Course	3	Legal Studies Theme Course	3
Literature Breadth	3	Communication B	3-4
Statistics (also satisfies Quantitative Reasoning B)	3-4	Research Design requirement	3-4
Science Breadth	3	Physical Science Breadth	3
Elective	3	Elective	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Legal Studies Theme Course	4	Legal Studies Theme Course	4
Global Legal Studies Course	3	Global Legal Studies Course	3
Literature Breadth	3	Humanities Breadth	3
Race and Justice Legal Studies Course	3	Elective (Intermediate/ Advanced level)	6
Science Breadth	3		
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
Additional Theme Course or First Semester Senior Thesis	3	Additional Theme Course or Second Semester Senior Thesis	3
Core Perspectives Course	3	Elective (Intermediate/ Advanced level)	12
Elective (Intermediate/ Advanced level)	9		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Center for Law, Society, and Justice website (https://criminaljustice.wisc.edu/declare-the-major/).

ADVISING APPOINTMENTS

Please Schedule via Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) with Micha Schwab or Martine Delannay.

If you are not a current UW–Madison student, please email us at cjcp@ssc.wisc.edu to schedule a meeting.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

LEGAL STUDIES, BS

The Legal Studies major provides a liberal arts education across traditional disciplines, focusing on law, legal processes, legal institutions, and their operation in society. In addition to courses in Legal Studies, students can take a wide range of courses offered by other units, including Sociology (https://guide.wisc.edu/courses/soc/), Psychology (https://guide.wisc.edu/courses/psych/), Religious Studies (https://guide.wisc.edu/courses/relig_st/), Political Science (https://guide.wisc.edu/courses/poli_sci/), Educational Policy (https://guide.wisc.edu/courses/ed_pol/), African American Studies (https://guide.wisc.edu/courses/afroamer/), Philosophy (https://guide.wisc.edu/courses/philos/), Gender and Women's Studies (https://guide.wisc.edu/courses/gen_ws/), American Indian Studies (https://guide.wisc.edu/courses/amer_ind/), Chicanx/e & Latinx/e Studies (https://guide.wisc.edu/courses/chicla/), English (https://guide.wisc.edu/courses/engl/), and History (https://guide.wisc.edu/courses/history/).

The curriculum is designed around five themes, each of which is associated with a group of courses, and each of which incorporates comparative and historical approaches.

THEME GROUP 1: LEGAL INSTITUTIONS

Institutions are at the core of social life. They govern our interactions, distribute power and resources, and influence how we make sense of the world. Courses in this theme group focus on those institutions involved in the creation and application of law. They explore such questions as how legal institutions evolve; how legal institutions help determine the shape of law—in doctrine and in action—and how and whether, in turn, legal institutions can be shaped to create different social outcomes. Institutions are central to the studies of society and politics throughout the disciplines, and courses in the group include perspectives from history, anthropology, sociology, political science, and political theory.

THEME GROUP 2: PROCESSES OF LEGAL ORDER AND DISORDER

This theme examines the dynamics of order at the individual and societal levels. In the course of this examination, students are made aware of the political and social biases that can underlie definitions of "order." This theme should also allow students to address how social and political biases relate to divisions of class, race, and gender, and how the mechanisms of conflict resolution and order maintenance can be used to reinforce or challenge existing power structures.

THEME GROUP 3: LAW AND SOCIAL FORCES

This theme group explores the intersection between law, social structures, and social movements. Courses in this group address social inequality, generally in the U.S. context, grounded in ethnoracial, gender, and sexuality-based difference. At critical points, the struggle for equality has taken pointedly legal form, whether in the shape of campaigns for legislative change or recognition, or through the litigation of particular cases. Legal categories have informed social identities. Equally, changing social identities have pushed back on legal categories. Courses integrate broad social dynamics with the rise of organized social movements that use law as an arena in which to reassess social life and values.

THEME GROUP 4: LAW, LITERATURE, AND CULTURE

This theme group introduces students to legal thought, institutions, and practices beyond mainstream or contemporary legal systems, specifically modern Euro-American legal cultures. Courses in this theme group present either culturally based challenges to mainstream modern legal systems or legal systems that are culturally or historically distinct from them. The comparative study of distinct legal traditions and movements forces us to reexamine the cultural presuppositions embedded in modern legal systems, revealing both good reasons for defending mainstream Euro-American laws and arguments and models for changing or questioning prevailing systems. Courses examine historical developments in or affecting law, non-Western legal thought or traditions, and the effect of cultural institutions such as religion, literature, or media on law.

THEME GROUP 5: LAW AND THEORY

Many theoretical and philosophical questions are articulated as propositions about law: its nature, sources, contents, and relations to other aspects of social life. While only some philosophers or social, political, or legal theorists work specifically in the area of "legal theory," almost all work in any of these areas contributes to our understanding of the sources and nature of law, legal institutions, and legal practices, and for many theorists, explicit discussions of law are central elements of their work. Courses in this theme group focus on the ways in which "law" is treated as a working concept or as a subject of study in theoretical works, and conversely on how understandings drawn from theoretical writings inform our own understanding of law in all its dimensions.

HOW TO GET IN

HOW TO GET IN

REQUIREMENTS TO DECLARE THE MAJOR

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

12 total courses in the following categories and a minimum of 36 credits.

INTRODUCTORY COURSE

Choose one:

Code	Title	Credits
LEGAL ST/SOC 131	Criminal Justice in America	3-4
LEGAL ST/ POLI SCI 217	Law, Politics and Society	3-4

THEME 1: LEGAL INSTITUTIONS

Two courses required from:

Code	Title	Credits
GEN BUS 301	Business Law	3
GEOG 307	International Migration, Health, and Human Rights	3
INTL ST 601	Topics in Global Security (Topic: Human Rights, Lat. Am Policy)	3
INTL ST 602	Topics in Politics and Policy in the Global Economy (Topic: The EU and the World)	3
LEGAL ST/ HISTORY 261	American Legal History to 1860	3
LEGAL ST/ HISTORY 262	American Legal History, 1860 to the Present	3
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	3-4
LEGAL ST/ GEN&WS/SOC 406	Law, Sexuality, & Society	3-4
LEGAL ST 409	Human Rights in Law and Society	3
LEGAL ST/ ELPA 442	Civil Rights Laws, the Courts, and Public Education	3
LEGAL ST 444	Law in Action	3
LEGAL ST/ POLI SCI 445	Legal Writing, from Counselor to Advocate	3
LEGAL ST 450	Topics in Legal Studies and the Humanities	3-4
LEGAL ST/ED POL/ ELPA 542	Law and Public Education	3
LEGAL ST/LAW/ SOC 641	Sociology of Law	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 311	United States Congress	3-4
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 347	Terrorism	3
POLI SCI 349	Global Access to Justice	3
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 400	Topics in Political Science (Topic: Int'l Environmental Politics)	3
POLI SCI 401	Selected Topics in Political Science (Topic: Crime and Politics; Topic: Transitional Justice)	3
POLI SCI 405	State Government and Public Policy	3-4
POLI SCI 408	The American Presidency	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
POLI SCI 414	The Supreme Court as a Political Institution	3
POLI SCI 417	The American Judicial System	3-4
POLI SCI/ PUB AFFR 419	Administrative Law	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI 470	The First Amendment	3-4
POLI SCI 538		3-4
POLI SCI 601	Proseminar: Topics in Political Science (Topic: Supreme Court)	3
POLI SCI 635	Comparative Politics of Sport	3-4
PUB AFFR 270	The Private and Public Sectors in Policymaking	3
PUB AFFR 520	Inequality, Race and Public Policy	3

THEME DISTRIBUTION

Four courses from at least three of the following Theme groups.

Theme 2: Processes of Legal Order and Disorder

Code	Title	Credits
COM ARTS 371	Communication and Conflict Resolution	3
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
INTL ST 601	Topics in Global Security (Topic: International Criminal Justice: Models Practice)	3
LEGAL ST/L I S 460	Surveillance, Privacy, and Police Powers	3
LEGAL ST/SOC 694	Criminal Justice Field Observation	3
POLI SCI 314	Criminal Law and Justice	3-4
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 601	Current Topics in Psychology (Topic: Juv Delin; Topic: Issues in Prisoner Re-entry)	3
SOC 421	Processes of Deviant Behavior	3-4
SOC 441	Criminology	3-4
SOC 446	Juvenile Delinquency	3-4
SOC 496	Topics in Sociology (Topic: Serial Killers in America)	3

Theme 3: Law and Social Forces

Code	Title	Credits
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3

AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	3
AFROAMER 671	Selected Topics in Afro-American History (Topic: Cim Blkns; Race Inprison; TopicL Women US Slavery)	3
AFROAMER 673	Selected Topics in Afro-American Society (*Race and Policing)	3
AMER IND 450	Issues in American Indian Studies (Topic: Indigenous Rights; Topic: Ind Child Welfare; Topic: Land Grant/ Grab; Topic: Sovereignty and the Schoolhouse)	3
ECON 522	Law and Economics	3-4
ED POL/ INTL ST 220	Human Rights and Education	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
GEN&WS/ PSYCH 322	Sexual & Relationship Violence Research & Activism	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
HISTORY 201	The Historian's Craft (Topic: Global History of Unpaid Labor; Topic: Global History of Human Rights)	3-4
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY 500	Reading Seminar in History (*Chinese Law)	3
HISTORY 600	Advanced Seminar in History (Topic: Abolitionist Movements; Gen, War Crimes and Human Rights; Topic: Global Anti-Apartheid Movement; Topic: Indian Removal)	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3
LEGAL ST/JEWISH/ RELIG ST 203	Jewish Law, Business, and Ethics	3
LEGAL ST/ RP & SE 135	Disability and the Criminal Justice System	3
INTL ST 401	Topics in Global Security (Topic: Human Rights in Global Context)	3-4
INTL ST 601	Topics in Global Security (Topic: Refugees in Global Context)	3
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Topic: Spanish: Immigration Law Clinic)	2
LEGAL ST/CURRIC/ ED POL 250	Incarceration and Education	3
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	3-4
LEGAL ST/ GEN&WS/SOC 406	Law, Sexuality, & Society	3-4
LEGAL ST/GEN&WS 422	Women and the Law	3
LEGAL ST/ GEN&WS/SOC 425	Crime, Gender and Justice	3
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	3
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/CHICLA/ SOC 443	Immigration, Crime, and Enforcement	3-4
LEGAL ST 473	Health Impacts of Unmet Social Needs	3
LEGAL ST/L I S 645	Intellectual Freedom	3
LEGAL ST/L I S 663	Introduction to Cyberlaw	3
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 601	Current Topics in Psychology (*Legal Psych)	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4
SOC WORK 375	Contemporary Issues in Social Welfare (Topic: Pwr Poss, SJ and Social Change)	2-3
SOC WORK/ AMER IND 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
SPANISH/ CHICLA 215	Border and Migration Studies of Latinx America	3

Theme 4: Law, Literature and Culture

Code	Title	Credits
ANTHRO 350	Political Anthropology	3-4
ED POL 150	Education and Public Policy	3
ENGL 174	Literature and Social Justice (*Law and Literature)	3
ENGL 177	Literature and Popular Culture (Topic: Narco-Narratives)	3
ENGL 548	Topic in Literature and Politics (*Guilt)	3
ENGL 182	Introduction to Literature for Honors (Topic: Doing Time)	3
ENGL 457	Topic in American Literature and Culture since 1900 (Topic: Law and Literature; Topic: Cultures of AIDS Activism)	3
HISTORY 201	The Historian's Craft (*Shanghai Life)	3-4
HISTORY 500	Reading Seminar in History (*Chinese Law)	3

ILS 371	Interdisciplinary Studies in the Arts and Literature (*Books by Crooks)	3
LEGAL ST/ ENGL 160	Truth and Crime	3
LEGAL ST/ HISTORY 477	History of Forensic Science	3
LEGAL ST/ HISTORY 510	Legal Pluralism	3
LITTRANS 236	Bascom Course-In Translation (*Extreme Stories)	3

Theme 5: Law and Theory

Code	Title	Credits
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY 500	Reading Seminar in History (Topic: Medieval Law and Society)	3
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	3-4
LEGAL ST 407	Jurisprudence and Social Issues	3
LEGAL ST/HISTORY 426	The History of Punishment	3-4
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	3-4
JOURN 563	Law of Mass Communication	4
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
PHILOS 304	Topics in Philosophy: Humanities (Philos and Criminal Punishment)	3-4
PHILOS 341	Contemporary Moral Issues	3-4
PHILOS/C&E SOC/ MED HIST 565	The Ethics of Modern Biotechnology	3

METHODS AND RESEARCH

Two courses, one each from:

Code	Title	Credits
Research Design		
POLI SCI 170	Research Methods in Political Science	
ED POL 308	Introduction to Qualitative Research Methods in Education	
POLI SCI/ JOURN/ URB R PL 373	Introduction to Survey Research	
PSYCH 225	Research Methods	
PUB AFFR 240	Evidence-Based Policy Making	
PUB AFFR 380	Analytic Tools for Public Policy	
SOC/ C&E SOC 357	Methods of Sociological Inquiry	
SOC WORK 650	Methods of Social Work Research	
Statistics		
ECON 310	Statistics: Measurement in Economics	
ED POL 209	Introduction to Quantitative Methods in Education Policy	
GEN BUS 306	Business Analytics I	
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	
PSYCH 210	Basic Statistics for Psychology	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	

CORE PERSPECTIVES

Please note: Though some courses may appear in a Theme and the Core Perspective listing, a single course will only satisfy one (and only one) requirement. Courses will not be double counted in the Theme section and the Core Perspectives section.

Code	Title	Credits
Complete one Core Perspectives course.		
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	
LEGAL ST/ HISTORY 261	American Legal History to 1860	
LEGAL ST/ HISTORY 262	American Legal History, 1860 to the Present	
LEGAL ST 400	Topics in Legal Studies and the Social Sciences	
LEGAL ST/ GEN&WS/ SOC 406	Law, Sexuality, & Society	
LEGAL ST 407	Jurisprudence and Social Issues	
LEGAL ST 409	Human Rights in Law and Society	
LEGAL ST/ GEN&WS/ SOC 425	Crime, Gender and Justice	
LEGAL ST/ HISTORY 426	The History of Punishment	
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	
LEGAL ST/ CHICLA/ SOC 440	Ethnicity, Race, and Justice	
LEGAL ST/ CHICLA/ SOC 443	Immigration, Crime, and Enforcement	
LEGAL ST 450	Topics in Legal Studies and the Humanities	
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	
LEGAL ST/ L I S 460	Surveillance, Privacy, and Police Powers	
LEGAL ST/ HISTORY 476	Medieval Law and Society	
LEGAL ST/ HISTORY 477	History of Forensic Science	

LEGAL ST/ HISTORY 510	Legal Pluralism
LEGAL ST 600	Special Topics in Legal Studies
LEGAL ST/SOC 641	Sociology of Law

Electives

Complete at least two courses and any additional credits (as needed) to reach 36 credits in the major. Students may complete either a Senior Thesis sequence or additional courses from the Theme: Legal Institutions or Theme Distribution requirements for the two course minimum.

LEGAL ST 681 & LEGAL ST 682	Senior Honors Thesis and Senior Honors Thesis
LEGAL ST 691 & LEGAL ST 692	Senior Thesis and Senior Thesis
POLI SCI 681 & POLI SCI 682	Senior Honors Thesis and Senior Honors Thesis

GLOBAL LEGAL SYSTEMS

At least two courses in the major must have substantial content dealing with countries or cultures outside the United States, or with the international legal system. For this requirement, a course can count both for purposes of meeting Theme or Core requirements and the Global Legal Systems requirement. The following courses fulfill the Global Legal Systems requirement:

Code	Title	Credits
ANTHRO 350	Political Anthropology	3-4
ENGL 174	Literature and Social Justice (*Law and Literature)	3
ENGL 457	Topic in American Literature and Culture since 1900 (Topic: Law and Literature)	3
ENGL 548	Topic in Literature and Politics (*Guilt)	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEOG 307	International Migration, Health, and Human Rights	3
HISTORY 201	The Historian's Craft (Topic: Shanghai Life and Crime; Topic: Global History of Unpaid Labor; Topic: Global History of Human Rights)	3-4
HISTORY 500	Reading Seminar in History (Topic: Chinese Law)	3
HISTORY 600	Advanced Seminar in History (Topic: Global Anti-Apartheid Movement)	3
INTL ST 401	Topics in Global Security (Topic: Human Rights in Global Context)	3-4
INTL ST 601	Topics in Global Security (Topic: International Criminal Justice; Topic: Human Rights, Lat Am Policy; Topic: Refugees in Global Context)	3
INTL ST 602	Topics in Politics and Policy in the Global Economy (Topic: The EU and the World)	3
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Topic: Spanish: Immigration Law Clinic)	2
LEGAL ST/JEWISH/ RELIG ST 203	Jewish Law, Business, and Ethics	3
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax	3-4
LEGAL ST 400	Topics in Legal Studies and the Social Sciences (Topic: Law and Climate Justice)	3
LEGAL ST/ GEN&WS/SOC 406	Law, Sexuality, & Society	3-4
LEGAL ST 409	Human Rights in Law and Society	3
LEGAL ST/SOC 425	Crime, Gender and Justice	3
LEGAL ST/HISTORY 426	The History of Punishment	3-4
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	3
LEGAL ST 450	Topics in Legal Studies and the Humanities (Topic: Criminal Justice and Popular Culture)	3-4
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Constitutionalism and Human Rights)	3-4
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	3-4
LEGAL ST/ HISTORY 476	Medieval Law and Society	3
LEGAL ST/ HISTORY 477	History of Forensic Science	3
LEGAL ST/HISTORY 510	Legal Pluralism	3
LEGAL ST 600	Special Topics in Legal Studies	1-3
LITTRANS 236	Bascom Course-In Translation (Topic: Extreme Stories)	3
LITTRANS 324/ SCAND ST 436	Topics in Scandinavian Literature (Topic: Criminal Utopias)	3-4
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 347	Terrorism	3
POLI SCI 349	Global Access to Justice	3
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 400	Topics in Political Science (Topic: Int'l Environmental Politics)	3
POLI SCI 401	Selected Topics in Political Science (Topic: Global Access to Justice; Topic: Transitional Justice)	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4

POLI SCI 635	Comparative Politics of Sport	3-4
SPANISH/ CHICLA 215	Border and Migration Studies of Latinx America	3

RACE AND JUSTICE STUDIES

At least one course in the major must have substantial content dealing with race and justice studies. The following courses fulfill the Race and Justice Studies requirement. For this requirement, a course can count both for purposes of meeting Theme or Core requirements and the Race and Justice Studies requirement.

Code	Title	Credits
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER/ GEN&WS 625	Gender, Race and the Civil Rights Movement	3
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	3
AFROAMER 671	Selected Topics in Afro-American History (Topic: Women US Slavery)	3
AMER IND 450	Issues in American Indian Studies (Topic: Land Grant/Grab; Topic: Sovereignty and the Schoolhouse)	3
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 403	Immigration and Assimilation in American History	3-4
LEGAL ST 400	Topics in Legal Studies and the Social Sciences (Topic: Criminal Injustice in America)	3-4
LEGAL ST/ AFROAMER 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/CHICLA/ SOC 443	Immigration, Crime, and Enforcement	3-4
PUB AFFR 520	Inequality, Race and Public Policy	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LEGAL ST and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[1]
- 15 credits in LEGAL ST and courses for the major, taken on campus

HONORS IN THE MAJOR

Students may apply for admission to Honors in the Legal Studies Major in consultation with the Legal Studies undergraduate advisor(s).

HONORS IN THE LEGAL STUDIES MAJOR: ENTRANCE REQUIREMENTS

- Declaration of the legal studies major
- A 3.300 University GPA
- A 3.500 GPA for all LEGAL ST courses, and all courses accepted in the major
- Completion of or current enrollment in, for Honors credit, at least one course accepted in the major

HONORS IN THE LEGAL STUDIES MAJOR: REQUIREMENTS

To earn Honors in the Major in Legal Studies, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all LEGAL ST courses, and all courses accepted in the major
- Complete the research design and statistics requirements for the regular major prior to enrollment in the Senior Honors Thesis (typically junior year)
- Complete 15 credits in the major, taken for Honors, earning a B or better grade in each course
- Complete a two-semester Senior Honors thesis in LEGAL ST 681 and LEGAL ST 682, for a total of 6 credits.

FOOTNOTES

[1] Upper-level in the major includes all LEGAL ST and major courses that are designated Intermediate or Advanced level.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Analyze and articulate their own arguments about how social, political, and cultural phenomena shape law and legal systems.
2. Analyze and articulate their own arguments about the social, political, and cultural impacts of law at the societal and individual levels.
3. Demonstrate knowledge about how legal ideas and ideologies have changed over time and have shaped law and legal systems.
4. Demonstrate their abilities to find, interpret, and utilize resources relevant to law and society.
5. Demonstrate their abilities to analyze information, to write clearly and persuasively, and to construct original arguments.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A (complete during the first year)	3	Ethnic Studies (complete within first 60 credits)	3
Quantitative Reasoning A (complete during the first year)	3	Humanities Breadth	3
Language (if needed)	3-4	Biological Science Breadth	3
LEGAL ST/SOC 131 or 217	3-4	I/A COMP SCI, MATH, or STAT (if required for the BS)	3-4
First-Year Seminar (optional)	1	Electives	3
	13		**15**

Second Year

Fall	Credits	Spring	Credits
Legal Studies Theme Course	3	Legal Studies Theme Course	3
Literature Breadth	3	Communication B	3-4
Statistics (also satisfies Quantitative Reasoning B)	3-4	Research Design requirement	3-4
Science Breadth	3	Physical Science Breadth	3
Elective	3	Elective	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Legal Studies Theme Course	4	Legal Studies Theme Course	4
Global Legal Studies Course	3	Global Legal Studies Course	3
Literature Breadth	3	Humanities Breadth	3
Race and Justice Legal Studies Course	3	Elective (Intermediate/ Advanced level)	6
Science Breadth	3		
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
Additional Theme Course or First Semester Senior Thesis	3	Additional Theme Course or Second Semester Senior Thesis	3
Core Perspectives Course	3	Elective (Intermediate/ Advanced level)	12
Elective (Intermediate/ Advanced level)	9		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Center for Law, Society, and Justice website (https://criminaljustice.wisc.edu/declare-the-major/).

ADVISING APPOINTMENTS

Please Schedule via Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) with Micha Schwab or Martine Delannay.

If you are not a current UW–Madison student, please email us at cjcp@ssc.wisc.edu to schedule a meeting.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)

- Try “Jobs, Internships, & How to Get Them,” (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CHEMISTRY

The mission of the Department of Chemistry is to conduct world-class, groundbreaking research in the chemical sciences while offering the highest quality of education to undergraduate students, graduate students, and postdoctoral associates. The department's leadership in research includes the traditional areas of physical, analytical, inorganic, and organic chemistry, and has rapidly evolved to encompass environmental chemistry, chemical biology, biophysical chemistry, soft and hard materials chemistry, and nanotechnology. The Department of Chemistry prides itself on its highly interactive, diverse, and collegial scientific environment. Our emphasis on collaboration connects us to colleagues across campus, around the country, and throughout the world.

The chemistry major is part of either the Bachelor of Science or a Bachelor of Arts degree awarded by the College of Letters & Science. The curriculum provides excellent preparation in chemistry, along with a wide breadth of liberal arts coursework. At the same time, the program provides significant opportunities for students to participate in scientific inquiry, within both laboratory courses and research laboratories. Students from other colleges within the university may pursue the chemistry major as an additional major. When pursuing a chemistry major, the undergraduate student must meet university general education requirements and breadth requirements of their own college, along with the specific requirements for the chemistry major.

The chemistry major provides students with the critical thinking and problem-solving skills necessary to be successful in a wide variety of careers in the chemical industries (e.g., consumer and agricultural products, materials, energy, petroleum, paper, food, etc.), as well as environmental, pharmaceutical, and other health-related sciences. Students are also well-prepared for graduate-level work in chemistry, chemical physics, biochemistry, biophysics, materials chemistry, and other related fields. Students who excel in undergraduate chemistry coursework are often able to obtain funding for their graduate work through teaching or research assistantships and fellowships. Combined with a master's program in secondary education, the major qualifies the student to teach chemistry in secondary schools. Chemistry students have also been successful in a variety of professional programs where they have studied medicine, pharmacy, dentistry, veterinary medicine, business, or law.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Chemistry, BA (p. 567)
- Chemistry, BS (p. 574)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ACADEMIC RESOURCES

A number of resources are available to students seeking assistance with their chemistry courses. Students are strongly encouraged to attend instructor and TA office hours or the Help Desk for the course.

The Chemistry Learning Center (CLC) (https://clc.chem.wisc.edu/) supports students in introductory chemistry courses (CHEM 103, CHEM 104, and CHEM 108) and in some sections of organic chemistry. The center welcomes as many students as possible but unfortunately does not have sufficient resources to support all students seeking help. The center is funded to work with specific groups of students, such as first-generation low-income students, underrepresented students, students on academic probation, students with disabilities, students who have trouble understanding English, new transfer students, recently returning veterans, and students at risk of failing the course. These are general guidelines and the center considers each student seeking assistance on a case-by-case basis, taking into account available program space. Program eligibility is usually determined by an interview with a staff member.

Further assistance may be sought from various tutoring services on campus, including the Greater University Tutoring Services (GUTS) (http://www.guts.wisc.edu/), University Housing Tutoring (https://www.housing.wisc.edu/undergraduate/experience/academics/#tutoring), and the College of Engineering Undergraduate Learning Center (ULC) (https://www.engr.wisc.edu/academics/student-services/ulc/). Alpha Chi Sigma (AXS) (http://alphachisigmauw.com/) is a co-ed professional chemistry fraternity that also offers tutoring. For students seeking more individualized tutoring, the Department of Chemistry maintains a list of private tutors (https://chem.wisc.edu/academic-support/) available for hire.

SCHOLARSHIPS

Through the generosity of alumni and other friends of the department, the Department of Chemistry is able to offer scholarships and summer research support. In 2024, the department awarded more than 40 scholarships totaling over $197,000.

Any student who is a chemistry major or is conducting research with a chemistry faculty member is eligible to apply for the scholarships. Awards are based on both merit and financial need. Students may apply for academic year scholarships and/or summer research support. Learn more about chemistry scholarships (https://chem.wisc.edu/scholarships-fellowships-awards/) and how to apply.

CHEMISTRY, BA

The mission of the Department of Chemistry is to conduct world-class, groundbreaking research in the chemical sciences while offering the highest quality of education to undergraduate students, graduate students, and postdoctoral associates. The department's leadership in research includes the traditional areas of physical, analytical, inorganic, and organic chemistry, and has rapidly evolved to encompass environmental chemistry, chemical biology, biophysical chemistry, soft and hard materials chemistry, and nanotechnology. The Department of Chemistry prides

itself on its highly interactive, diverse, and collegial scientific environment. Our emphasis on collaboration connects us to colleagues across campus, around the country, and throughout the world.

The chemistry major is part of either the Bachelor of Science or a Bachelor of Arts degree awarded by the College of Letters & Science. The curriculum provides excellent preparation in chemistry, along with a wide breadth of liberal arts coursework. At the same time, the program provides significant opportunities for students to participate in scientific inquiry, within both laboratory courses and research laboratories. Students from other colleges within the university may pursue the chemistry major as an additional major. When pursuing a chemistry major, the undergraduate student must meet university general education requirements and breadth requirements of their own college, along with the specific requirements for the chemistry major.

The chemistry major provides students with the critical thinking and problem-solving skills necessary to be successful in a wide variety of careers in the chemical industries (e.g., consumer and agricultural products, materials, energy, petroleum, paper, food, etc.), as well as environmental, pharmaceutical, and other health-related sciences. Students are also well-prepared for graduate-level work in chemistry, chemical physics, biochemistry, biophysics, materials chemistry, and other related fields. Students who excel in undergraduate chemistry coursework are often able to obtain funding for their graduate work through teaching or research assistantships and fellowships. Combined with a master's program in secondary education, the major qualifies the student to teach chemistry in secondary schools. Chemistry students have also been successful in a variety of professional programs where they have studied medicine, pharmacy, dentistry, veterinary medicine, business, or law.

HOW TO GET IN

HOW TO GET IN

Students may declare the chemistry major after they have completed General Chemistry (CHEM 104, CHEM 109, or CHEM 116). Transfer students may declare in their first semester at UW-Madison, if they have transfer credit for one of these courses. Students should schedule an appointment with the undergraduate chemistry advisor to declare and develop a course plan toward graduation. To better inform their decision, undecided students who are exploring chemistry along with other majors are encouraged to take an additional chemistry course or two beyond General Chemistry before declaring. Any student interested in chemistry is welcome to schedule an appointment (https://www.chem.wisc.edu/content/undergraduate-advising/) with the advisor to further explore the major.

Students are advised to declare the major no later than the end of their second year. There are many advantages to declaring the chemistry major early, including access to chemistry advising, scholarships available to only majors, and announcements relevant to students studying the chemical sciences. Chemistry majors and chemistry undergraduate researchers also have access to the Undergraduate Study Lounge in the North Tower of the Chemistry building, a space designated specifically for their use. Students who have declared the major become a part of our chemistry community, enabling them to better connect with faculty, staff, and other chemistry majors.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH & PHYSICS

Code	Title	Credits
Mathematics (1 course)		**4**
MATH 222	Calculus and Analytic Geometry 2	
Physics		**10**
First Introductory Course (1 course)		
PHYSICS 207	General Physics	
PHYSICS 201	General Physics	
PHYSICS 247	A Modern Introduction to Physics	
Second Introductory Course (1 course)		
PHYSICS 208	General Physics	
PHYSICS 202	General Physics	
PHYSICS 248	A Modern Introduction to Physics	
Total Credits		**14**

CHEMISTRY CORE COURSES

Code	Title	Credits
General Chemistry (1 course)		**5**
CHEM 104	General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115	Chemical Principles I [1]	
Analytical Chemistry (1 course)		**4-5**
CHEM 329	Fundamentals of Analytical Science	
CHEM 116	Chemical Principles II	
CHEM 327	Fundamentals of Analytical Science	
Inorganic Chemistry (1 course)		**4**
CHEM 311	Chemistry Across the Periodic Table	
Organic Chemistry (3 courses) [2]		**8**
CHEM 343	Organic Chemistry I	
CHEM 345	Organic Chemistry II	
CHEM 344	Introductory Organic Chemistry Laboratory	
Physical Chemistry		**8-9**
Part 1 (1 course)		
CHEM 561	Physical Chemistry I	
CHEM 665	Biophysical Chemistry	
CBE 310	Chemical Process Thermodynamics	
M S & E 330	Thermodynamics of Materials	
Part 2 (1 course)		
CHEM 562	Physical Chemistry II	
Part 3 (2 courses)		
CHEM 563	Physical Chemistry Laboratory I	
CHEM 564	Physical Chemistry Laboratory II	
Total Credits		**29-31**

ADVANCED CHEMISTRY AND LABORATORY

Code	Title	Credits
Advanced Non-laboratory Coursework		**5**
CHEM 116	Chemical Principles II (1 credit counts towards requirements) [3]	
CHEM/ M S & E 421	Polymeric Materials	
CHEM/CBE 505	Aspects of Industrial Chemistry and Business Fundamentals	
CHEM 509	Senior Seminar	
CHEM 511	Advanced Inorganic Chemistry	
CHEM 524	Chemical Instrumentation (2 credits count towards requirement) [4]	
CHEM 547	Advanced Organic Chemistry	
CHEM 555	Study Abroad in Advanced Chemistry	
CHEM 575	Advanced Topics in Chemistry	
CHEM 605	Spectrochemical Measurements	
CHEM 629	Atmospheric Chemical Mechanisms	
CHEM 654	Materials Chemistry of Polymers	
BIOCHEM 501	Introduction to Biochemistry	
or BIOCHEM 50	General Biochemistry I	
BIOCHEM 508	General Biochemistry II	
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	
CBE 440	Chemical Engineering Materials	
CBE 540	Polymer Science and Technology	
CBE 547	Introduction to Colloid and Interface Science	
Additional Laboratory Work		**3**

CHEM 346	Intermediate Organic Chemistry Laboratory
CHEM 512	Advanced Synthesis and Laboratory Techniques
CHEM 524	Chemical Instrumentation (1 credit counts towards requirement) [4]
CHEM 681 & CHEM 682	Senior Honors Thesis and Senior Honors Thesis
CHEM 691 & CHEM 692	Senior Thesis and Senior Thesis
CHEM 699	Directed Study
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis
BIOCHEM 691 & BIOCHEM 692	Senior Thesis and Senior Thesis
BIOCHEM 699	Special Problems
CBE 599	Special Problems
Total Credits	**8**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CHEM and major courses
- 2.000 GPA in at least 15 upper-level credits in the major in residence. Upper-level work includes CHEM 346, CHEM/M S & E 421, CHEM/CBE 505, CHEM 509, CHEM 511, CHEM 512, CHEM 524, CHEM 547, CHEM 555, CHEM 561, CHEM 562, CHEM 563, CHEM 564, CHEM 575, CHEM 605, CHEM 629, CHEM 654, CHEM 665, CHEM 681, CHEM 682, CHEM 691, CHEM 692, CHEM 699, BIOCHEM 501, BIOCHEM 507, BIOCHEM 508, BIOCHEM/NUTR SCI 510, BIOCHEM 625, BIOCHEM 681, BIOCHEM 682, BIOCHEM 691, CHEM 692, BIOCHEM 699, CBE 310, CBE 440, CBE 540, CBE 547, CBE 599, and M S & E 330.
- 15 credits in CHEM, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Chemistry Major in consultation with the chemistry major advisor (https://www.chem.wisc.edu/content/undergraduate-advising/). To be admitted to the Honors Program in Chemistry, students must have declared a major in chemistry and achieved a 3.200 overall GPA. They must also have achieved a 3.200 GPA in all CHEM courses taken and courses accepted for the major.

HONORS IN THE CHEMISTRY MAJOR REQUIREMENTS

To earn Honors in the Major in Chemistry, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all CHEM courses and all major courses
- Complete an additional 3 credits, for a total of 8 credits, of advanced non-laboratory work. This requirement is met by the same credits and courses that are accepted for "Advanced Non-laboratory Work" in the regular major.
- Complete a two-semester Senior Honors Thesis in CHEM 681 Senior Honors Thesis and CHEM 682 Senior Honors Thesis, for a total of 6 credits.

FOOTNOTES

1 Enrollment in CHEM 115 and CHEM 116 is by invitation only. Entering first-year students are invited to apply. Candidates are selected based on their high school record, placement test scores, and application responses.

2 CHEM 343 must be taken first, followed by CHEM 345. CHEM 344 may be taken concurrently with or after CHEM 345.

3 One credit from CHEM 116 counts towards the required 5 credits of Advanced Non-laboratory Coursework.

4 Only 2 of the 3 credits from CHEM 524 count towards Advanced Non-laboratory Coursework. The remaining 1 credit counts towards the Additional Laboratory Work requirement.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify, formulate and solve integrative problems using appropriate information and approaches.
2. Demonstrate an understanding of basic chemical transformations, including the ability to predict chemical reactivity and properties.
3. Recognize the relationship between structure, bonding and the properties of molecules and materials.
4. Model chemical systems and experimental data using relevant quantitative, mathematical and computational methods.
5. Design, conduct and analyze experiments safely and successfully.
6. Locate, evaluate and use information in the chemical literature.
7. Communicate chemical knowledge effectively through written reports, oral presentations and visual aids.
8. Work collaboratively with others, both chemists and those from other disciplines, to solve problems and create new knowledge.

9. Recognize how chemistry relates to contemporary issues in our society.
10. Understand professional and ethical responsibility.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
CHEM 109 or 103[1]	4-5	300-level Chemistry course OR	3-5
MATH 221	5	CHEM 104 (if needed)[2]	
Communications A (complete during first year)	3	MATH 222	4
Foreign Language (if required)	4	Ethnic Studies	3
		L&S Breadth	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
CHEM 343[3]	3	CHEM 345	3
PHYSICS 207	5	CHEM 344	2
L&S Breadth	3	PHYSICS 208	5
Communications B (consult with advisor about timing)[4]	3-4	Research (optional)[5]	1-3
		L&S Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
CHEM 329[6]	4	Physical Chemistry Part I[7]	3-4
MATH 234 (recommended, but not required))	4	CHEM 311	4
Research (optional)[5]	1-3	Advanced Non-laboratory Coursework[8]	3
L&S Breadth	3	Research (optional)[5]	1-3
INTER-LS 210 (optional)	1	L&S Breadth	3
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
CHEM 562	3	CHEM 564	1
CHEM 563	1	Research or other Additional Lab Work[10]	1-3
Research or other Additional Lab Work[9]	1-3	Advanced Non-laboratory Coursework (if needed)	3
Advanced Non-laboratory Coursework	3	L&S Breadth	3
L&S Breadth	3	L&S Breadth	3
L&S Breadth	3	Elective[11]	3
	15		**15**

Total Credits 120

1 CHEM 103 General Chemistry I/CHEM 104 General Chemistry II is a two-semester sequence in General Chemistry. Students with a strong high school chemistry background (usually two years) and placement into at least first semester calculus are eligible for CHEM 109 Advanced General Chemistry. CHEM 109 is an advanced, fast-paced option that covers General Chemistry in one semester. CHEM 109 is offered only in the fall semesters and an honors level section is available. An additional option is the CHEM 115 Chemical Principles I/CHEM 116 Chemical Principles II sequence, which is a small honors sequence for exceptionally well-prepared students. Enrollment in this sequence is by invitation only, and the two courses cover both general and analytical chemistry.

2 Students who took CHEM 109 in their first semester will not need CHEM 104. Instead, they may proceed to the next level of chemistry courses sooner by taking CHEM 311 Chemistry Across the Periodic Table or CHEM 329 Fundamentals of Analytical Science or CHEM 343 Organic Chemistry I in the second semester of their first year. In this case, some subsequent chemistry courses may also be taken sooner than shown in this plan.

3 Students must declare a major by the time they reach 86 credits. Students interested in chemistry may declare the major after completing general chemistry (CHEM 104, CHEM 109, or CHEM 116).

4 Communications B can be satisfied later through a chemistry course, CHEM 346 Intermediate Organic Chemistry Laboratory, if taken for 2 credits. CHEM 346 will also count towards additional lab work needed for the chemistry major.

5 Research can be taken for credit by enrolling in CHEM 299 Directed Study (for students with less than 54 earned credits) or CHEM 699 Directed Study (for students with 54 or more earned credits). CHEM 299 does not satisfy additional lab credits required for the major, while CHEM 699 does. Alternatively, research may be conducted as a volunteer or for pay. Students must search for and be accepted into a research group before beginning research.

6 According to L&S policy, students must complete at least 60 credits at the intermediate or advanced level.

7 Options include CHEM 561 Physical Chemistry I, CHEM 665 Biophysical Chemistry, CBE 310 Chemical Process Thermodynamics (only for students also majoring in Chemical & Biological Engineering), and M S & E 330 Thermodynamics of Materials (only for students also majoring in Materials Science & Engineering).

8 Five advanced non-laboratory credits are required for the major. Please see the Requirements tab in the Guide for a list of courses that count towards this requirement.

9 Three credits of additional lab work are required for the major. These credits can be satisfied by research (CHEM 699, for example) or by

courses. Please see the Requirements tab in the Guide for a complete list of options. CHEM 346 is one option, and when taken for 2 credits also satisfies Comm-B. CHEM 346 is only offered in fall semester, with most students taking it in their fourth year. Students not planning to take CHEM 346 should plan to take their Comm-B earlier through one of their other required breadth courses.

[10] CHEM 524 Chemical Instrumentation and CHEM 512 Advanced Synthesis and Laboratory Techniques are options that are only offered in the spring semesters. CHEM 524 (3 credits) satisfies 1 additional lab work credit and 2 advanced non-laboratory credits.

[11] Please refer to the Requirements tab in Guide for additional College of Letters & Science Breadth and Degree requirements as well as Residence and Quality of Work requirements for the major.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

The chemistry advisor provides advising for chemistry majors and prospective chemistry majors. Both appointments and drop-in hours are available. See Undergraduate Advising (https://www.chem.wisc.edu/undergraduate-advising/) on the Department of Chemistry website for more details.

The chemistry website also provides information about introductory chemistry courses (https://chem.wisc.edu/introductory-chemistry-courses-and-placement/) and placement for continuing and new undergraduate students (https://chem.wisc.edu/new-undergraduate-students/) interested in taking a chemistry course. Students with enrollment and course access questions should visit the enrollment inquiries (https://chem.wisc.edu/enrollment-inquiries/) page. If further assistance is needed, students may visit the Undergraduate Chemistry Office (room 1351 Chemistry) during normal business hours, email (undergrad@chem.wisc.edu), or call 608-263-2424.

Chemistry majors interested in getting involved in research should explore the undergraduate research (https://undergradresearch.chem.wisc.edu/) pages on the chemistry website. Students needing additional information may contact the undergraduate research director by email (chem_ugr_research@chem.wisc.edu).

COURSE SELECTION AND SEQUENCING

The Requirements (https://guide.wisc.edu/undergraduate/letters-science/chemistry/chemistry-bs/#requirementstext) page provides the minimum requirements necessary for completing the chemistry major. This section provides additional advisory information about course selection and sequencing.

- In addition to MATH 222 Calculus and Analytic Geometry 2, it is highly recommended that students also take MATH 234 Calculus--Functions of Several Variables and MATH 320 Linear Algebra and Differential Equations. The extra math is especially helpful to students when they take the required physical chemistry courses.

- PHYSICS 207 General Physics + PHYSICS 208 General Physics is the preferred physics sequence for most students in the chemistry major; PHYSICS 201 General Physics / PHYSICS 202 General Physics is recommended for engineering students. PHYSICS 247 A Modern Introduction to Physics + PHYSICS 248 A Modern Introduction to Physics is intended for students considering a major in Physics (p. 1218), Astronomy–Physics (p. 489), or a Bachelor of Science, Applied Mathematics, Engineering, and Physics (p. 1098).

- Students in the chemistry major are strongly encouraged to take either CHEM 329 Fundamentals of Analytical Science or CHEM 116 Chemical Principles II (as opposed to CHEM 327 Fundamentals of Analytical Science) to satisfy their analytical chemistry requirement, because research is an integral part of these two courses. Both CHEM 329 and CHEM 116 come with honors credit, but students do not need to be part of an honors program to enroll.

- Most students take CHEM 561 Physical Chemistry I or CHEM 665 Biophysical Chemistry for Physical Chemistry Part 1. Students also majoring in Chemical Engineering (p. 268) take CBE 310 Chemical Process Thermodynamics instead. M S & E 330 Thermodynamics of Materials is recommended only for students also majoring in Materials Science and Engineering (p. 326).

- It is recommended that CHEM 563 Physical Chemistry Laboratory I be taken after Physical Chemistry Part I and that CHEM 564 Physical Chemistry Laboratory II be taken after CHEM 562 Physical Chemistry II. Especially strong students needing to complete physical chemistry in two semesters may take CHEM 563 concurrently with CHEM 561 Physical Chemistry I (or CHEM 665 Biophysical Chemistry) and CHEM 564 concurrently with CHEM 562.

CAREER SERVICES

The chemistry major prepares graduates for a wide variety of careers in the chemical and related industries (e.g., consumer and agricultural products, materials, energy, petroleum, paper, and food), as well as environmental, pharmaceutical, and other health-related sciences. Combined with a master's program in secondary education, the major qualifies the student to teach chemistry in secondary schools. The major prepares students for graduate-level work in chemistry, chemical physics, biochemistry, biophysics, materials chemistry, and other related fields. Students who excel in undergraduate chemistry coursework are able to obtain funding for graduate studies in chemistry and related sciences through teaching or research assistantships and fellowships. Some chemistry graduates go on to professional schools to study medicine, pharmacy, dentistry, veterinary medicine, business, or law.

Current career, research, and internship opportunities of specific interest to chemistry students can be found on the Career Services (https://chem.wisc.edu/career-services/) pages of the chemistry website.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)

- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

RESEARCH

There are many research opportunities for undergraduates in the Department of Chemistry. When conducting research, students will have the opportunity to work alongside world-class faculty, staff, and graduate students to gain hands-on research experiences that will supplement their liberal arts education and prepare students for future careers. We have researchers involved in all the core areas of chemistry: analytical, chemical biology, chemical education, inorganic, materials, organic, physical, and theoretical. Many of our researchers conduct research across disciplines, including medicine, pharmacy, biology, engineering, energy, environmental sciences, and physics. Although preference is given to chemistry majors in good academic standing, any student interested in conducting chemistry research can seek out opportunities in our department. Students have the option of volunteering in a research lab or conducting research for course credit by enrolling in CHEM 299 Directed Study, CHEM 699 Directed Study, CHEM 681/CHEM 682 Senior Honors Thesis, or CHEM 691/CHEM 692 Senior Thesis. Students can also gain research experiences through the elective courses CHEM 260 Entering Research I, CHEM 346 Intermediate Organic Chemistry Laboratory, and CHEM 512 Advanced Synthesis and Laboratory Techniques as well as the required course CHEM 329 Fundamentals of Analytical Science. In some cases, experienced undergraduates may be paid to conduct research. For additional information about undergraduate research, including how to get involved, please visit the department's Undergraduate Research (https://undergradresearch.chem.wisc.edu/) page.

STUDENT ORGANIZATIONS

A number of student organizations are available for students interested in the chemical sciences.

- Alpha Chi Sigma (AXS) (http://alphachisigmauw.com/) is a national, co-ed, professional chemistry organization that was founded at UW–Madison in 1902. The UW–Madison chapter has an active membership of about 40 students, both graduate and undergraduate. The organization also has two houses, at 619 and 621 North Lake Street, which house nearly half of the members. The houses are the primary locations for events like tutoring, chapter dinners, meetings, and social events.
- The UW–Madison student chapter of NOBCChE (https://chem.wisc.edu/nobcche/) (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers) seeks to encourage students of color to pursue graduate and professional degrees in chemistry, chemical engineering, and other chemistry-related fields. Members participate in professional development through national conference presentations, networking, and community service activities.
- SACNAS (https://win.wisc.edu/organization/sacnas/) (the Society for the Advancement of Hispanics/Chicanos and Native Americans) is a society of scientists dedicated to fostering the success of Hispanic/Chicano and Native American scientists – from college students to professionals—to attain advanced degrees, careers, and positions of leadership in science.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ACS CERTIFIED DEGREE

The UW–Madison Department of Chemistry is approved by the American Chemical Society (ACS) to certify the degrees of graduating students who have completed the curriculum and professional training recommended by ACS for chemistry bachelor's degree graduates. Certification indicates that the student has completed rigorous course work that provides them with the skills needed for a successful career in science.

Students graduating with the chemistry major from UW–Madison already meet most of the requirements for ACS certification. They can obtain the certification by electing to take specific courses that satisfy both the requirements of the major and the ACS guidelines. Additional requirements for certification are:

- A course in biochemistry, satisfied by BIOCHEM 501 Introduction to Biochemistry or BIOCHEM 507 General Biochemistry I (3 credits). A course in chemical biology will also satisfy this requirement. For example, CHEM 575 Advanced Topics in Chemistry is often offered in the spring semesters with the topic "Chemical Biology" and will satisfy this requirement.
- At least 375 total laboratory hours, which can be satisfied by the combination of all the required core laboratory courses (in organic, inorganic, analytical and physical chemistry) plus one laboratory credit from any of the following courses: CHEM 346 Intermediate Organic Chemistry Laboratory, CHEM 512 Advanced Synthesis and Laboratory Techniques, CHEM 524 Chemical Instrumentation (3 credit course, but only one credit is a lab credit), CHEM 681/CHEM 682 Senior Honors Thesis, or CHEM 691/ CHEM 692 Senior Thesis.

The biochemistry course satisfies three of the five credits of advanced non-laboratory work required for the chemistry major, while two credits from CHEM 524 also count towards the advanced work. CHEM 346, CHEM 512, 1 credit of CHEM 524, CHEM 681/CHEM 682, and CHEM 691/CHEM 692 all count towards the three additional lab credits required for the major.

Note that neither CHEM 299 Directed Study nor CHEM 699 Directed Study can be used to satisfy the lab hours needed for ACS certification. However, CHEM 699 can be used to satisfy additional lab credits needed for the chemistry major.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational

requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ACADEMIC RESOURCES

A number of resources are available to students seeking assistance with their chemistry courses. Students are strongly encouraged to attend instructor and TA office hours or the Help Desk for the course.

The Chemistry Learning Center (CLC) (https://clc.chem.wisc.edu/) supports students in introductory chemistry courses (CHEM 103, CHEM 104, and CHEM 108) and in some sections of organic chemistry. The center welcomes as many students as possible but unfortunately does not have sufficient resources to support all students seeking help. The center is funded to work with specific groups of students, such as first-generation low-income students, underrepresented students, students on academic probation, students with disabilities, students who have trouble understanding English, new transfer students, recently returning veterans, and students at risk of failing the course. These are general guidelines and the center considers each student seeking assistance on a case-by-case basis, taking into account available program space. Program eligibility is usually determined by an interview with a staff member.

Further assistance may be sought from various tutoring services on campus, including the Greater University Tutoring Services (GUTS) (http://www.guts.wisc.edu/), University Housing Tutoring (https://www.housing.wisc.edu/undergraduate/experience/academics/#tutoring), and the College of Engineering Undergraduate Learning Center (ULC) (https://www.engr.wisc.edu/academics/student-services/ulc/). Alpha Chi Sigma (AXS) (http://alphachisigmauw.com/) is a co-ed professional chemistry fraternity that also offers tutoring. For students seeking more individualized tutoring, the Department of Chemistry maintains a list of private tutors (https://chem.wisc.edu/academic-support/) available for hire.

SCHOLARSHIPS

Through the generosity of alumni and other friends of the department, the Department of Chemistry is able to offer scholarships and summer research support. In 2024, the department awarded more than 40 scholarships totaling over $197,000.

Any student who is a chemistry major or is conducting research with a chemistry faculty member is eligible to apply for the scholarships. Awards are based on both merit and financial need. Students may apply for academic year scholarships and/or summer research support. Learn more about chemistry scholarships (https://chem.wisc.edu/scholarships-fellowships-awards/) and how to apply.

CHEMISTRY, BS

The mission of the Department of Chemistry is to conduct world-class, groundbreaking research in the chemical sciences while offering the highest quality of education to undergraduate students, graduate students, and postdoctoral associates. The department's leadership in research includes the traditional areas of physical, analytical, inorganic, and organic chemistry, and has rapidly evolved to encompass environmental chemistry, chemical biology, biophysical chemistry, soft and hard materials chemistry, and nanotechnology. The Department of Chemistry prides itself on its highly interactive, diverse, and collegial scientific environment. Our emphasis on collaboration connects us to colleagues across campus, around the country, and throughout the world.

The chemistry major is part of either the Bachelor of Science or a Bachelor of Arts degree awarded by the College of Letters & Science. The curriculum provides excellent preparation in chemistry, along with a wide breadth of liberal arts coursework. At the same time, the program provides significant opportunities for students to participate in scientific inquiry, within both laboratory courses and research laboratories. Students from other colleges within the university may pursue the chemistry major as an additional major. When pursuing a chemistry major, the undergraduate student must meet university general education requirements and breadth requirements of their own college, along with the specific requirements for the chemistry major.

The chemistry major provides students with the critical thinking and problem-solving skills necessary to be successful in a wide variety of careers in the chemical industries (e.g., consumer and agricultural products, materials, energy, petroleum, paper, food, etc.), as well as environmental, pharmaceutical, and other health-related sciences. Students are also well-prepared for graduate-level work in chemistry, chemical physics, biochemistry, biophysics, materials chemistry, and other related fields. Students who excel in undergraduate chemistry coursework are often able to obtain funding for their graduate work through teaching or research assistantships and fellowships. Combined with a master's program in secondary education, the major qualifies the student to teach chemistry in secondary schools. Chemistry students have also been successful in a variety of professional programs where they have studied medicine, pharmacy, dentistry, veterinary medicine, business, or law.

HOW TO GET IN

HOW TO GET IN

Students may declare the chemistry major after they have completed General Chemistry (CHEM 104, CHEM 109, or CHEM 116). Transfer students may declare in their first semester at UW-Madison, if they have

transfer credit for one of these courses. Students should schedule an appointment with the undergraduate chemistry advisor to declare and develop a course plan toward graduation. To better inform their decision, undecided students who are exploring chemistry along with other majors are encouraged to take an additional chemistry course or two beyond General Chemistry before declaring. Any student interested in chemistry is welcome to schedule an appointment (https://www.chem.wisc.edu/content/undergraduate-advising/) with the advisor to further explore the major.

Students are advised to declare the major no later than the end of their second year. There are many advantages to declaring the chemistry major early, including access to chemistry advising, scholarships available to only majors, and announcements relevant to students studying the chemical sciences. Chemistry majors and chemistry undergraduate researchers also have access to the Undergraduate Study Lounge in the North Tower of the Chemistry building, a space designated specifically for their use. Students who have declared the major become a part of our chemistry community, enabling them to better connect with faculty, staff, and other chemistry majors.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH & PHYSICS

Code	Title	Credits
Mathematics (1 course)		**4**
MATH 222	Calculus and Analytic Geometry 2	
Physics		**10**
First Introductory Course (1 course)		
PHYSICS 207	General Physics	
PHYSICS 201	General Physics	
PHYSICS 247	A Modern Introduction to Physics	
Second Introductory Course (1 course)		
PHYSICS 208	General Physics	
PHYSICS 202	General Physics	
PHYSICS 248	A Modern Introduction to Physics	
Total Credits		**14**

CHEMISTRY CORE COURSES

Code	Title	Credits
General Chemistry (1 course)		**5**
CHEM 104	General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115	Chemical Principles I [1]	
Analytical Chemistry (1 course)		**4-5**
CHEM 329	Fundamentals of Analytical Science	
CHEM 116	Chemical Principles II	
CHEM 327	Fundamentals of Analytical Science	
Inorganic Chemistry (1 course)		**4**
CHEM 311	Chemistry Across the Periodic Table	
Organic Chemistry (3 courses) [2]		**8**
CHEM 343	Organic Chemistry I	
CHEM 345	Organic Chemistry II	
CHEM 344	Introductory Organic Chemistry Laboratory	
Physical Chemistry		**8-9**
Part 1 (1 course)		
CHEM 561	Physical Chemistry I	
CHEM 665	Biophysical Chemistry	
CBE 310	Chemical Process Thermodynamics	
M S & E 330	Thermodynamics of Materials	
Part 2 (1 course)		
CHEM 562	Physical Chemistry II	
Part 3 (2 courses)		
CHEM 563	Physical Chemistry Laboratory I	
CHEM 564	Physical Chemistry Laboratory II	
Total Credits		**29-31**

ADVANCED CHEMISTRY AND LABORATORY

Code	Title	Credits
Advanced Non-laboratory Coursework		**5**
CHEM 116	Chemical Principles II (1 credit counts towards requirements) [3]	
CHEM/ M S & E 421	Polymeric Materials	
CHEM/CBE 505	Aspects of Industrial Chemistry and Business Fundamentals	
CHEM 509	Senior Seminar	
CHEM 511	Advanced Inorganic Chemistry	
CHEM 524	Chemical Instrumentation (2 credits count towards requirement) [4]	
CHEM 547	Advanced Organic Chemistry	
CHEM 555	Study Abroad in Advanced Chemistry	
CHEM 575	Advanced Topics in Chemistry	
CHEM 605	Spectrochemical Measurements	
CHEM 629	Atmospheric Chemical Mechanisms	
CHEM 654	Materials Chemistry of Polymers	
BIOCHEM 501 or BIOCHEM 50	Introduction to Biochemistry General Biochemistry I	
BIOCHEM 508	General Biochemistry II	
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	
CBE 440	Chemical Engineering Materials	
CBE 540	Polymer Science and Technology	
CBE 547	Introduction to Colloid and Interface Science	
Additional Laboratory Work		**3**
CHEM 346	Intermediate Organic Chemistry Laboratory	
CHEM 512	Advanced Synthesis and Laboratory Techniques	
CHEM 524	Chemical Instrumentation (1 credit counts towards requirement) [4]	
CHEM 681 & CHEM 682	Senior Honors Thesis and Senior Honors Thesis	
CHEM 691 & CHEM 692	Senior Thesis and Senior Thesis	
CHEM 699	Directed Study	
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOCHEM 691 & BIOCHEM 692	Senior Thesis and Senior Thesis	
BIOCHEM 699	Special Problems	
CBE 599	Special Problems	
Total Credits		**8**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CHEM and major courses
- 2.000 GPA in at least 15 upper-level credits in the major in residence. Upper-level work includes CHEM 346, CHEM/ M S & E 421, CHEM/CBE 505, CHEM 509, CHEM 511, CHEM 512, CHEM 524, CHEM 547, CHEM 555, CHEM 561, CHEM 562, CHEM 563, CHEM 564, CHEM 575, CHEM 605, CHEM 629, CHEM 654, CHEM 665, CHEM 681, CHEM 682, CHEM 691, CHEM 692, CHEM 699, BIOCHEM 501, BIOCHEM 507, BIOCHEM 508, BIOCHEM/NUTR SCI 510, BIOCHEM 625, BIOCHEM 681, BIOCHEM 682, BIOCHEM 691, CHEM 692, BIOCHEM 699, CBE 310, CBE 440, CBE 540, CBE 547, CBE 599, and M S & E 330.
- 15 credits in CHEM, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Chemistry Major in consultation with the chemistry major advisor (https://www.chem.wisc.edu/content/undergraduate-advising/). To be admitted to the Honors Program in Chemistry, students must have declared a major in chemistry and achieved a 3.200 overall GPA. They must also have achieved a 3.200 GPA in all CHEM courses taken and courses accepted for the major.

HONORS IN THE CHEMISTRY MAJOR REQUIREMENTS

To earn Honors in the Major in Chemistry, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all CHEM courses and all major courses
- Complete an additional 3 credits, for a total of 8 credits, of advanced non-laboratory work. This requirement is met by the same credits and courses that are accepted for "Advanced Non-laboratory Work" in the regular major.
- Complete a two-semester Senior Honors Thesis in CHEM 681 Senior Honors Thesis and CHEM 682 Senior Honors Thesis, for a total of 6 credits.

FOOTNOTES

[1] Enrollment in CHEM 115 and CHEM 116 is by invitation only. Entering first-year students are invited to apply. Candidates are selected based on their high school record, placement test scores, and application responses.

[2] CHEM 343 must be taken first, followed by CHEM 345. CHEM 344 may be taken concurrently with or after CHEM 345.

[3] One credit from CHEM 116 counts towards the required 5 credits of Advanced Non-laboratory Coursework.

[4] Only 2 of the 3 credits from CHEM 524 count towards Advanced Non-laboratory Coursework. The remaining 1 credit counts towards the Additional Laboratory Work requirement.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify, formulate and solve integrative problems using appropriate information and approaches.
2. Demonstrate an understanding of basic chemical transformations, including the ability to predict chemical reactivity and properties.
3. Recognize the relationship between structure, bonding and the properties of molecules and materials.
4. Model chemical systems and experimental data using relevant quantitative, mathematical and computational methods.
5. Design, conduct and analyze experiments safely and successfully.
6. Locate, evaluate and use information in the chemical literature.
7. Communicate chemical knowledge effectively through written reports, oral presentations and visual aids.
8. Work collaboratively with others, both chemists and those from other disciplines, to solve problems and create new knowledge.
9. Recognize how chemistry relates to contemporary issues in our society.
10. Understand professional and ethical responsibility.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
CHEM 109 or 103[1]	4-5	300-level Chemistry course OR	3-5
MATH 221	5	CHEM 104 (if needed)[2]	
Communications A (complete during first year)	3	MATH 222	4
Foreign Language (if required)	4	Ethnic Studies	3
		L&S Breadth	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
CHEM 343[3]	3	CHEM 345	3
PHYSICS 207	5	CHEM 344	2
L&S Breadth	3	PHYSICS 208	5
Communications B (consult with advisor about timing)[4]	3-4	Research (optional)[5]	1-3
		L&S Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
CHEM 329[6]	4	Physical Chemistry Part I[7]	3-4
MATH 234 (recommended, but not required))	4	CHEM 311	4
Research (optional)[5]	1-3	Advanced Non-laboratory Coursework[8]	3
L&S Breadth	3	Research (optional)[5]	1-3
INTER-LS 210 (optional)	1	L&S Breadth	3
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
CHEM 562	3	CHEM 564	1
CHEM 563	1	Research or other Additional Lab Work[10]	1-3
Research or other Additional Lab Work[9]	1-3	Advanced Non-laboratory Coursework (if needed)	3
Advanced Non-laboratory Coursework	3	L&S Breadth	3
L&S Breadth	3	L&S Breadth	3
L&S Breadth	3	Elective[11]	3
	15		**15**

Total Credits 120

1 CHEM 103 General Chemistry I/CHEM 104 General Chemistry II is a two-semester sequence in General Chemistry. Students with a strong high school chemistry background (usually two years) and placement into at least first semester calculus are eligible for CHEM 109 Advanced General Chemistry. CHEM 109 is an advanced, fast-paced option that covers General Chemistry in one semester. CHEM 109 is offered only in the fall semesters and an honors level section is available. An additional option is the CHEM 115 Chemical Principles I/CHEM 116 Chemical Principles II sequence, which is a small honors sequence for exceptionally well-prepared students. Enrollment in this sequence is by invitation only, and the two courses cover both general and analytical chemistry.

2 Students who took CHEM 109 in their first semester will not need CHEM 104. Instead, they may proceed to the next level of chemistry courses sooner by taking CHEM 311 Chemistry Across the Periodic Table or CHEM 329 Fundamentals of Analytical Science or CHEM 343 Organic Chemistry I in the second semester of their first year. In this case, some subsequent chemistry courses may also be taken sooner than shown in this plan.

3 Students must declare a major by the time they reach 86 credits. Students interested in chemistry may declare the major after completing general chemistry (CHEM 104, CHEM 109, or CHEM 116).

4 Communications B can be satisfied later through a chemistry course, CHEM 346 Intermediate Organic Chemistry Laboratory, if taken for 2 credits. CHEM 346 will also count towards additional lab work needed for the chemistry major.

5 Research can be taken for credit by enrolling in CHEM 299 Directed Study (for students with less than 54 earned credits) or CHEM 699 Directed Study (for students with 54 or more earned credits). CHEM 299 does not satisfy additional lab credits required for the major, while CHEM 699 does. Alternatively, research may be conducted as a volunteer or for pay. Students must search for and be accepted into a research group before beginning research.

6 According to L&S policy, students must complete at least 60 credits at the intermediate or advanced level.

7 Options include CHEM 561 Physical Chemistry I, CHEM 665 Biophysical Chemistry, CBE 310 Chemical Process Thermodynamics (only for students also majoring in Chemical & Biological Engineering), and M S & E 330 Thermodynamics of Materials (only for students also majoring in Materials Science & Engineering).

8 Five advanced non-laboratory credits are required for the major. Please see the Requirements tab in the Guide for a list of courses that count towards this requirement.

9 Three credits of additional lab work are required for the major. These credits can be satisfied by research (CHEM 699, for example) or by courses. Please see the Requirements tab in the Guide for a complete list of options. CHEM 346 is one option, and when taken for 2 credits also satisfies Comm-B. CHEM 346 is only offered in fall semester, with most students taking it in their fourth year. Students not planning to take CHEM 346 should plan to take their Comm-B earlier through one of their other required breadth courses.

10 CHEM 524 Chemical Instrumentation and CHEM 512 Advanced Synthesis and Laboratory Techniques are options that are only offered in the spring semesters. CHEM 524 (3 credits) satisfies 1 additional lab work credit and 2 advanced non-laboratory credits.

11 Please refer to the Requirements tab in Guide for additional College of Letters & Science Breadth and Degree requirements as well as Residence and Quality of Work requirements for the major.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

The chemistry advisor provides advising for chemistry majors and prospective chemistry majors. Both appointments and drop-in hours are available. See Undergraduate Advising (https://www.chem.wisc.edu/undergraduate-advising/) on the Department of Chemistry website for more details.

The chemistry website also provides information about introductory chemistry courses (https://chem.wisc.edu/introductory-chemistry-courses-and-placement/) and placement for continuing and new undergraduate students (https://chem.wisc.edu/new-undergraduate-students/) interested in taking a chemistry course. Students with enrollment and course access questions should visit the enrollment inquiries (https://chem.wisc.edu/enrollment-inquiries/) page. If further assistance is needed, students may visit the Undergraduate Chemistry Office (room 1351 Chemistry) during normal business hours, email (undergrad@chem.wisc.edu), or call 608-263-2424.

Chemistry majors interested in getting involved in research should explore the undergraduate research (https://undergradresearch.chem.wisc.edu/) pages on the chemistry website. Students needing additional information may contact the undergraduate research director by email (chem_ugr_research@chem.wisc.edu).

COURSE SELECTION AND SEQUENCING

The Requirements (https://guide.wisc.edu/undergraduate/letters-science/chemistry/chemistry-bs/#requirementstext) page provides the minimum requirements necessary for completing the chemistry major. This

section provides additional advisory information about course selection and sequencing.

- In addition to MATH 222 Calculus and Analytic Geometry 2, it is highly recommended that students also take MATH 234 Calculus--Functions of Several Variables and MATH 320 Linear Algebra and Differential Equations. The extra math is especially helpful to students when they take the required physical chemistry courses.

- PHYSICS 207 General Physics + PHYSICS 208 General Physics is the preferred physics sequence for most students in the chemistry major; PHYSICS 201 General Physics / PHYSICS 202 General Physics is recommended for engineering students. PHYSICS 247 A Modern Introduction to Physics + PHYSICS 248 A Modern Introduction to Physics is intended for students considering a major in Physics (p. 1218), Astronomy–Physics (p. 489), or a Bachelor of Science, Applied Mathematics, Engineering, and Physics (p. 1098).

- Students in the chemistry major are strongly encouraged to take either CHEM 329 Fundamentals of Analytical Science or CHEM 116 Chemical Principles II (as opposed to CHEM 327 Fundamentals of Analytical Science) to satisfy their analytical chemistry requirement, because research is an integral part of these two courses. Both CHEM 329 and CHEM 116 come with honors credit, but students do not need to be part of an honors program to enroll.

- Most students take CHEM 561 Physical Chemistry I or CHEM 665 Biophysical Chemistry for Physical Chemistry Part 1. Students also majoring in Chemical Engineering (p. 268) take CBE 310 Chemical Process Thermodynamics instead. M S & E 330 Thermodynamics of Materials is recommended only for students also majoring in Materials Science and Engineering (p. 326).

- It is recommended that CHEM 563 Physical Chemistry Laboratory I be taken after Physical Chemistry Part I and that CHEM 564 Physical Chemistry Laboratory II be taken after CHEM 562 Physical Chemistry II. Especially strong students needing to complete physical chemistry in two semesters may take CHEM 563 concurrently with CHEM 561 Physical Chemistry I (or CHEM 665 Biophysical Chemistry) and CHEM 564 concurrently with CHEM 562.

CAREER SERVICES

The chemistry major prepares graduates for a wide variety of careers in the chemical and related industries (e.g., consumer and agricultural products, materials, energy, petroleum, paper, and food), as well as environmental, pharmaceutical, and other health-related sciences. Combined with a master's program in secondary education, the major qualifies the student to teach chemistry in secondary schools. The major prepares students for graduate-level work in chemistry, chemical physics, biochemistry, biophysics, materials chemistry, and other related fields. Students who excel in undergraduate chemistry coursework are able to obtain funding for graduate studies in chemistry and related sciences through teaching or research assistantships and fellowships. Some chemistry graduates go on to professional schools to study medicine, pharmacy, dentistry, veterinary medicine, business, or law.

Current career, research, and internship opportunities of specific interest to chemistry students can be found on the Career Services (https://chem.wisc.edu/career-services/) pages of the chemistry website.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

RESEARCH

There are many research opportunities for undergraduates in the Department of Chemistry. When conducting research, students will have the opportunity to work alongside world-class faculty, staff, and graduate students to gain hands-on research experiences that will supplement their liberal arts education and prepare students for future careers. We have researchers involved in all the core areas of chemistry: analytical, chemical biology, chemical education, inorganic, materials, organic, physical, and theoretical. Many of our researchers conduct research across disciplines, including medicine, pharmacy, biology, engineering, energy, environmental sciences, and physics. Although preference is given to chemistry majors in good academic standing, any student interested in conducting chemistry research can seek out opportunities in our department. Students have the option of volunteering in a research lab or conducting research for course credit by enrolling in CHEM 299 Directed Study, CHEM 699 Directed Study, CHEM 681/CHEM 682 Senior Honors Thesis, or CHEM 691/CHEM 692 Senior Thesis. Students can also gain research experiences through the elective courses CHEM 260 Entering Research I, CHEM 346 Intermediate Organic Chemistry Laboratory, and CHEM 512 Advanced Synthesis and Laboratory Techniques as well as the required course CHEM 329 Fundamentals of Analytical Science. In some cases, experienced undergraduates may be paid to conduct research. For additional information about undergraduate research, including how to get involved, please visit the department's Undergraduate Research (https://undergradresearch.chem.wisc.edu/) page.

STUDENT ORGANIZATIONS

A number of student organizations are available for students interested in the chemical sciences.

- Alpha Chi Sigma (AXS) (http://alphachisigmauw.com/) is a national, co-ed, professional chemistry organization that was founded at UW–Madison in 1902. The UW–Madison chapter has an active membership of about 40 students, both graduate and undergraduate. The organization also has two houses, at 619 and 621 North Lake Street,

which house nearly half of the members. The houses are the primary locations for events like tutoring, chapter dinners, meetings, and social events.

- The UW–Madison student chapter of NOBCChE (https://chem.wisc.edu/nobcche/) (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers) seeks to encourage students of color to pursue graduate and professional degrees in chemistry, chemical engineering, and other chemistry-related fields. Members participate in professional development through national conference presentations, networking, and community service activities.
- SACNAS (https://win.wisc.edu/organization/sacnas/) (the Society for the Advancement of Hispanics/Chicanos and Native Americans) is a society of scientists dedicated to fostering the success of Hispanic/Chicano and Native American scientists — from college students to professionals—to attain advanced degrees, careers, and positions of leadership in science.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ACS CERTIFIED DEGREE

The UW–Madison Department of Chemistry is approved by the American Chemical Society (ACS) to certify the degrees of graduating students who have completed the curriculum and professional training recommended by ACS for chemistry bachelor's degree graduates. Certification indicates that the student has completed rigorous course work that provides them with the skills needed for a successful career in science.

Students graduating with the chemistry major from UW–Madison already meet most of the requirements for ACS certification. They can obtain the certification by electing to take specific courses that satisfy both the requirements of the major and the ACS guidelines. Additional requirements for certification are:

- A course in biochemistry, satisfied by BIOCHEM 501 Introduction to Biochemistry or BIOCHEM 507 General Biochemistry I (3 credits). A course in chemical biology will also satisfy this requirement. For example, CHEM 575 Advanced Topics in Chemistry is often offered in the spring semesters with the topic "Chemical Biology" and will satisfy this requirement.
- At least 375 total laboratory hours, which can be satisfied by the combination of all the required core laboratory courses (in organic, inorganic, analytical and physical chemistry) plus one laboratory credit from any of the following courses: CHEM 346 Intermediate Organic Chemistry Laboratory, CHEM 512 Advanced Synthesis and Laboratory Techniques, CHEM 524 Chemical Instrumentation (3 credit course, but only one credit is a lab credit), CHEM 681/CHEM 682 Senior Honors Thesis, or CHEM 691/ CHEM 692 Senior Thesis.

The biochemistry course satisfies three of the five credits of advanced non-laboratory work required for the chemistry major, while two credits from CHEM 524 also count towards the advanced work. CHEM 346, CHEM 512, 1 credit of CHEM 524, CHEM 681/CHEM 682, and CHEM 691/CHEM 692 all count towards the three additional lab credits required for the major.

Note that neither CHEM 299 Directed Study nor CHEM 699 Directed Study can be used to satisfy the lab hours needed for ACS certification. However, CHEM 699 can be used to satisfy additional lab credits needed for the chemistry major.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:

Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:

Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ACADEMIC RESOURCES

A number of resources are available to students seeking assistance with their chemistry courses. Students are strongly encouraged to attend instructor and TA office hours or the Help Desk for the course.

The Chemistry Learning Center (CLC) (https://clc.chem.wisc.edu/) supports students in introductory chemistry courses (CHEM 103, CHEM 104, and CHEM 108) and in some sections of organic chemistry. The center welcomes as many students as possible but unfortunately does not have sufficient resources to support all students seeking help. The center is funded to work with specific groups of students, such as first-generation low-income students, underrepresented students, students on academic probation, students with disabilities, students who have trouble understanding English, new transfer students, recently returning veterans, and students at risk of failing the course. These are general guidelines and the center considers each student seeking assistance on a case-by-case

basis, taking into account available program space. Program eligibility is usually determined by an interview with a staff member.

Further assistance may be sought from various tutoring services on campus, including the Greater University Tutoring Services (GUTS) (http://www.guts.wisc.edu/), University Housing Tutoring (https://www.housing.wisc.edu/undergraduate/experience/academics/#tutoring), and the College of Engineering Undergraduate Learning Center (ULC) (https://www.engr.wisc.edu/academics/student-services/ulc/). Alpha Chi Sigma (AXS) (http://alphachisigmauw.com/) is a co-ed professional chemistry fraternity that also offers tutoring. For students seeking more individualized tutoring, the Department of Chemistry maintains a list of private tutors (https://chem.wisc.edu/academic-support/) available for hire.

SCHOLARSHIPS

Through the generosity of alumni and other friends of the department, the Department of Chemistry is able to offer scholarships and summer research support. In 2024, the department awarded more than 40 scholarships totaling over $197,000.

Any student who is a chemistry major or is conducting research with a chemistry faculty member is eligible to apply for the scholarships. Awards are based on both merit and financial need. Students may apply for academic year scholarships and/or summer research support. Learn more about chemistry scholarships (https://chem.wisc.edu/scholarships-fellowships-awards/) and how to apply.

CHICANA/O AND LATINA/O STUDIES

The department-like unit of Chicana/Chicano and Latina/Latino Studies is being renamed to Chicanx/e and Latinx/e Studies in Summer 2026.

The Chicanx/e and Latinx/e Studies Program (CLS) offers a systematic and interdisciplinary analysis of Mexican- and Latin-American-origin people, cultures, and collectivities within the United States. The CLS certificate is designed to provide students with a broad knowledge base and the intellectual tools to understand the unity and diversity of U.S. Latinx/e populations. The primary objective of the CLS program is to train students in the study of Chicanxs/es and Latinxs/es, as well as to introduce them to the central questions, topics, and applications that have emerged in this field of inquiry.

CLS offers a variety of courses, some focusing on particular national-origin groups or specific academic disciplines, and others organized around comparative topics or issues. We welcome you to join our academic community of learners.

Note: The endings "x" and "e" in "Chicanx/e and Latinx/e" represent two gender-neutral ways of referring to people of Latin American descent in the United States.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Chicana/o and Latina/o Studies, Certificate (p. 581)
- Chicanx/e and Latinx/e Studies, BA (p. 583)
- Chicanx/e and Latinx/e Studies, BS (p. 588)

CHICANA/O AND LATINA/O STUDIES, CERTIFICATE

The Chicana/o and Latina/o Studies undergraduate certificate is being renamed Chicanx/e and Latinx/e Studies. Students will be able to earn a Certificate in Chicana/o and Latina/o Studies through the end of Summer 2027. Beginning in Fall 2027, the program awarded will be the Certificate in Chicanx/e and Latinx/e Studies.

The certificate in Chicana/o and Latina/o Studies offers a systematic and interdisciplinary analysis of Mexican- and Latin-American-origin people, cultures, and collectivities within the United States. The Chicana/o and Latina/o Studies certificate is designed to provide students with a broad knowledge base and the intellectual tools to understand the unity and diversity of U.S. Latinx/e populations. The primary objective of the certificate is to train students in the study of Chicana/o and Latina/o Studies, as well as to introduce them to the central questions, topics, and applications that have emerged in this field of inquiry.

HOW TO GET IN

HOW TO GET IN

To declare or cancel this certificate, please follow the process described on the Program's website (https://chicla.wisc.edu/undergraduate-certificate/).

REQUIREMENTS

REQUIREMENTS

Completion of the certificate requires a minimum of **15 credits** in Chicana/o and Latina/o studies. [1]

Code	Title	Credits
Complete one Introduction Course:		
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
Complete at least one additional course from the following list:		**3**
CHICLA/ AFROAMER/ AMER IND/ ASIAN AM/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	
CHICLA/ HISTORY 151	The North American West to 1850	

CHICLA/ HISTORY 152	The United States West Since 1850	
CHICLA/ HISTORY 153	Latina/Latino/Latinx History	
CHICLA 210	Chicana/o and Latina/o Cultural Studies	
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	
CHICLA/ SPANISH 222	Introduction to Latinx Cultures	
CHICLA/ POLI SCI 231	Politics in Multi-Cultural Societies	
CHICLA/ GEN&WS/ HISTORY 245	Chicana and Latina History	
CHICLA/ HISTORY/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
COUN PSY 225	Intersectionalities, Self Awareness, and Social Actions for Social Change	
COUN PSY 230	Race and the Developing Child	
CURRIC 240	Critical Aspects of Teaching, Schooling, and Education	
Complete at least 9 credits of advanced courses:		**9**
CHICLA 301	Chicana/o and Latina/o History	
CHICLA/ POLI SCI 302	Mexican-American Politics	
CHICLA/ CURRIC 306	Latinx Literacies	
CHICLA/ GEN&WS/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism	
CHICLA/ ED POL 310	Latine Students in the U.S. Higher Education System	
CHICLA 315	Racial Formation and Whiteness	
CHICLA/ CURRIC 321	Chicano/Latino Educational Justice	
CHICLA 328	Cultures and Histories Topics in Chicana/o & Latina/o Studies	
CHICLA 329	Education and Service Topics in Chicana/o & Latina/o Studies	
CHICLA 330	Topics in Chicano/a Studies	
CHICLA/ COUN PSY 331	Immigrant Health and Wellbeing	
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas	
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media	
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	
CHICLA/ HISTORY/LACIS/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	
CHICLA/ ENGL 368	Chicana/o and Latina/o Literatures	
CHICLA/ COM ARTS 419	Latino/as and Media	
CHICLA/ HISTORY/ POLI SCI 422	Latino History and Politics	
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World	
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	
CHICLA/ LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement	
CHICLA/ ENGL 460	Black and Latinx in Literature and Visual Culture	
CHICLA/ SPANISH 467	US Latino Literature	
CHICLA/ SPANISH 469	Topics in Latinx Culture	
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration	
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	
CHICLA/ SPANISH 478	Border and Race Studies in Latin America	
CHICLA 501	Chican@ and Latin@ Social Movements in the U.S.	
CHICLA 520	Latinx Digital Publics	
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services	
CHICLA 530	Advanced Topics in Chicana/o and Latina/o Studies	
CHICLA/ COUN PSY 590	Esperanza Community-Engaged Research with Latines	
CHICLA 699	Directed Study [1]	
GEN&WS/ PORTUG 460	Carmen Miranda	
HDFS 474	Racial Ethnic Families in the U.S.	
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	
Total Credits		**15**

[1] A maximum of 3 credits earned through a directed study course (CHICLA 699) can count toward the certificate. Pass/Fail courses don't count for the certificate.

RESIDENCE AND QUALITY OF WORK

- 8 credits in CHICLA or credits counting toward the certificate, taken in residence
- A cumulative 2.000 GPA in courses counting approved for the certificate

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and analyze core concepts, important social and political issues, and key artistic and cultural expressions related to Chicana/o and Latina/o life in the United States.
2. Discuss the histories of Chicanas/os and Latinas/os in the United States and their implications for contemporary problems of racialization, social stratification, colonialism, and oppression.
3. Describe the commonalities and differences among Chicanas/os and Latinas/os along lines of class, gender, race, sexuality, citizenship, and national origin, and evaluate Latinidad as a pan-ethnic category in the United States.
4. Analyze relations between Chicanas/os and Latinas/os in the United States and their countries of heritage from a transnational and transborder perspective.
5. Apply ideas from Chicana/o and Latina/o Studies to concrete problems through service-learning and community-based research, in a spirit of dialogue and reciprocal exchange informed by ethical and social justice principles.

ADVISING AND CAREERS

ADVISING AND CAREERS

Academic advising for the Chicana/o and Latina/o Studies certificate is available in the Student Advising Office. Prospective and current certificate students must make an appointment with Rachelle Eilers, reilers@wisc.edu, to discuss requirements, courses, and application to the certificate. Chicana/o and Latina/o Studies certificate recipients have enjoyed great success in fields including the health professions, social service, education, law, journalism, business, the arts, politics, and government service.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CHICANX/E AND LATINX/E STUDIES, BA

The Chicanx/e and Latinx/e Studies major offers a systematic and interdisciplinary analysis of Mexican- and Latin-American-origin people, cultures, and collectivities within the United States. The Chicanx/e and Latinx/e Studies major is designed to provide students with a broad knowledge base and the intellectual tools to understand the unity and diversity of those people and cultures, both historically and in the contemporary period, as they explore the central questions and topics that have emerged in this interdisciplinary field. The Chicanx/e and Latinx/e Studies curriculum enables students to engage with the history, experience, arts, literature, cultural production, and social lives of communities of Latin American descent in the United States, developing their capacities for civic and community engagement as well as research, writing, and analytical skills. Chicanx/e and Latinx/e Studies graduates are equipped to include and engage with diverse perspectives as they pursue careers in such fields as education, social service, communications, publishing, business, journalism, agriculture, engineering, the arts, construction, and the health professions.

Note: The endings "x" and "e" in "Chicanx/e and Latinx/e" represent two gender-neutral ways of referring to people of Latin American descent in the United States.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Chicana/o and Latina/o Studies Certificate may not be declared in the Chicanx/e and Latinx/e Studies major at the same time. Students who do wish to declare this major must first cancel their declaration into the Chicana/o and Latina/o Studies Certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

REQUIREMENTS FOR THE MAJOR

The major requires a minimum of 30 credits and the specific requirements include:

Code	Title	Credits
Introductory Course		
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
Introductory Elective		**3**
CHICLA/ AFROAMER/ AMER IND/ ASIAN AM/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	
CHICLA/ HISTORY 151	The North American West to 1850	
CHICLA/ HISTORY 152	The United States West Since 1850	
CHICLA/ HISTORY 153	Latina/Latino/Latinx History	
CHICLA 210	Chicana/o and Latina/o Cultural Studies	
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	
CHICLA/ SPANISH 222	Introduction to Latinx Cultures	
CHICLA/ POLI SCI 231	Politics in Multi-Cultural Societies	
CHICLA/ GEN&WS/ HISTORY 245	Chicana and Latina History	
CHICLA/ HISTORY/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
CURRIC 240	Critical Aspects of Teaching, Schooling, and Education	
COUN PSY 225	Intersectionalities, Self Awareness, and Social Actions for Social Change	
COUN PSY 230	Race and the Developing Child	
Cultures and Histories		**9**
CHICLA 301	Chicana/o and Latina/o History	
CHICLA 328	Cultures and Histories Topics in Chicana/o & Latina/o Studies	
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media	
CHICLA/ HISTORY/LACIS/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	
CHICLA/ ENGL 368	Chicana/o and Latina/o Literatures	
CHICLA/ COM ARTS 419	Latino/as and Media	
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World	
CHICLA/ ENGL 460	Black and Latinx in Literature and Visual Culture	
CHICLA/ SPANISH 467	US Latino Literature	
CHICLA/ SPANISH 469	Topics in Latinx Culture	
CHICLA/ SPANISH 478	Border and Race Studies in Latin America	
CHICLA 520	Latinx Digital Publics	
CHICLA 699	Directed Study	
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	
Individuals, Peoples, Societies		**9**
CHICLA/ POLI SCI 302	Mexican-American Politics	
CHICLA/ GEN&WS/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism	
CHICLA 315	Racial Formation and Whiteness	
CHICLA 330	Topics in Chicano/a Studies	

CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas	
CHICLA/ HISTORY/ POLI SCI 422	Latino History and Politics	
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	
CHICLA/ LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement	
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration	
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	
CHICLA 501	Chican@ and Latin@ Social Movements in the U.S.	
CHICLA 530	Advanced Topics in Chicana/o and Latina/o Studies	
CHICLA 699	Directed Study	
POLI SCI 304	The Political Economy of Race in the United States	
Serving Chicanx and Latinx Communities		**6**
CHICLA/ CURRIC 306	Latinx Literacies	
CHICLA/ ED POL 310	Latine Students in the U.S. Higher Education System	
CHICLA/ CURRIC 321	Chicano/Latino Educational Justice	
CHICLA 329	Education and Service Topics in Chicana/o & Latina/o Studies	
CHICLA/ COUN PSY 331	Immigrant Health and Wellbeing	
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services	
CHICLA/ COUN PSY 590	Esperanza Community-Engaged Research with Latines	
CHICLA 699	Directed Study	
CURRIC 670	Theories of Bilingualism and Biliteracy	
CURRIC 676	Bilingualism and Biliteracy in Schools	
HDFS 474	Racial Ethnic Families in the U.S.	
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CHICLA and major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence. Upper-level in the major includes CHICLA courses numbered 300 and above and courses that count for the major that are designated as Intermediate or Advanced level.
- 15 credits in CHICLA taken in residence on the UW-Madison campus

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and analyze core concepts, important social and political issues, and key artistic and cultural expressions related to Chicanx/e and Latinx/e life in the United States.
2. Discuss the histories of Chicanxs/es and Latinxs/es in the United States and their implications for contemporary problems of racialization, social stratification, colonialism, and oppression.
3. Describe the commonalities and differences among Chicanxs/es and Latinxs/es along lines of class, gender, race, sexuality, citizenship, and national origin, and evaluate Latinidad as a pan-ethnic category in the United States.
4. Analyze relations between Chicanxs/es and Latinxs/es in the United States and their countries of heritage from a transnational and transborder perspective.
5. Apply ideas from Chicanx/e and Latinx/e Studies to concrete problems through service-learning and community-based research, in a spirit of dialogue and reciprocal exchange informed by ethical and social justice principles.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage

in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
CHICLA 201	3	CHICLA introductory elective	3
Communication A	3	Biological Science Breadth	3
Quantitative Reasoning A	3-4	CHICLA major course 3 (Cultures and Histories)	3
Foreign Language	4	Elective	3
Elective	3	Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
CHICLA major course 4	3	CHICLA major course 5 (Serving Chicanx & Latinx Communities)	3
Quantitative Reasoning-B	3	Communication B (Communication B can be fulfilled with CHICLA 501 or 520)	3
INTER-LS 210 (elective)	1	Physical Science Breadth	3
Intermediate elective	3	Intermediate elective	3
Intermediate elective	3	Intermediate elective	3
	13		**15**

Third Year

Fall	Credits	Spring	Credits
CHICLA major course 6 (Individuals, Peoples, Societies)	3	CHICLA major course 7 (Cultures and Histories)	3
I/A Comp Sci, Math or Stats (if required for BS)	3	CHICLA major course 8 (Serving Chicanx & Latinx Communities)	3
Intermediate Elective	3	Science Breadth	3
Science Breadth	3	Intermediate Elective	3
Intermediate Elective	3	Intermediate Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
CHICLA major course 9 (Individuals, Peoples, Societies)	3	CHICLA major course 10 (Cultures and Histories)	3
Advanced elective	3	Advanced elective	3
I/A Comp Sci, MATH, or STAT (if BS)	3	Advanced elective	3
Advanced elective	4	Advanced elective	3
Advanced elective	3	Advanced elective	3
	16		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. The plan assumes that students are coming to UW-Madison with approximately 27 credits from AP/IB or college transfer credits. Your plan may look different depending on the number of credits you bring in.

First Year

Fall	Credits	Spring	Credits
CHICLA 201	3	CHICLA Introductory Elective	3
Communication A	3	Biological Science Breadth	3
Quantitative Reasoning A	3-4	CHICLA Major Course 3 (Serving Chicanx and Latinx Communities)	3
Foreign Language	4	Elective	3
Elective	3	Elective	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
CHICLA major course 4 (Individuals, Peoples, Societies)	3	CHICLA major course 5 (Cultures and Histories)	3
Quantitative Reasoning-B	3	Communication-B Communication B can be fulfilled with CHICLA 501 or 520	3
Elective	3	Physical Science Breadth	3
Foreign Language 3	3	CHICLA major course 6 (Individuals, Peoples, Societies)	3
INTER-LS 210 (elective)	1	Intermediate Elective	3
Intermediate elective	3		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
CHICLA major course 7 (Individuals, Peoples, Societies)	3	CHICLA major course 9 (Cultures and Histories)	3

I/A Comp Sci, Math or Stats (if required for BS)	3	CHICLA major course 10 (Serving Chicanx & Latinx Communities)	3
CHICLA major course 8 (Cultures and Histories)	3	I/A Comp Sci, Math or Stats (if required for BS)	3
Science Breadth	3	Science Breadth	3
Advanced elective	3	Advanced elective	3
	15		**15**

Total Credits 93

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Chicanx/e and Latinx/e Program website (https://chicla.wisc.edu/cls-major/).

DEPARTMENTAL ADVISING

Academic advising for the Chicanx/e and Latinx/e Studies major is available in the Student Advising Office. Prospective and current students must make an appointment with the advisor to discuss requirements, courses, and application to the major or certificate. Chicanx/e and Latinx/e Studies graduates have enjoyed great success in fields including the health professions, social service, education, law, journalism, business, the arts, politics, and government service.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

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The Chicanx/e and Latinx/e Studies Program provides co-curricular support programs and opportunities for undergraduate research as part of the Wisconsin Experience (https://provost.wisc.edu/wisconsin-experience/), UW–Madison's vision for students' growth inside and outside the classroom. Chicanx/e and Latinx/e Studies majors at UW–Madison have a wide range of opportunities available to help them make the most of their major and carry the study of communities of Latin American descent into the broader community.

CLS COMMUNITY GATHERINGS

Join us on Thursdays at noon (https://chicla.wisc.edu/chican-and-latin-studies-community-events/) for a workshop luncheon featuring speakers on topics of interest to undergraduate Chicanx/e and Latinx/e Studies students. The gatherings are a great place to learn about resources available on campus, make new friends, and create community.

PASOS (PROMOTORES ACADÉMICOS SEMBRANDO, ORIENTANDO, Y SUPERANDO)

The PASOS program pairs Chicanx/e and Latinx/e Studies majors and certificate students interested in graduate school with graduate student mentors. PASOS mentors guide mentees as they explore whether graduate school is for them, work on their writing, develop resumes or CVs for future use, identify opportunities, and learn requirements to graduate schools and assess how those fit students' wants and needs.

WISCONSIN LATINX HISTORY COLLECTIVE

The Chicanx/e and Latinx/e Studies Program is the major UW–Madison partner for the Wisconsin Latinx History Collective (https://storymaps.arcgis.com/stories/7a2f1e0a652d4d6e977e0df36ab027e2/), an effort to document the history of communities of Latin American descent in Wisconsin. Chicanx/e and Latinx/e Studies faculty and students are interviewing members of those communities and collecting documents to be held in the Wisconsin Historical Society (https://www.wisconsinhistory.org/) collection for future researchers. The Wisconsin Latinx History Collective has also embarked on a public humanities initiative to make these oral histories and documents more widely available through a digital platform. Many Chicanx/e and Latinx/e Studies classes offer the opportunity to participate in original research related to this project.

LATINX STUDIES JOURNAL

The Latinx Studies Journal (https://chicla.wisc.edu/latinx-studies-journal/) (formerly Concientización) is an annual publication that highlights writing by Chicanx/e and Latinx/e Studies students. Students may submit original research papers, creative writing, art, and more.

CHICANX AND LATINX STUDIES ONLINE

Students in CHICLA 520 Latinx Digital Publics create digital projects for the program's web magazine, Chicanx and Latinx Studies Online (https://chicanxlatinx.chicla.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Undergraduates in the CLS Major or Certificate may apply for the Jesus Salas Academic Activist Scholarship and the Somos Student Development Award (https://chicla.wisc.edu/financial-assistance/). Conferred annually in the spring, the Salas Scholarship recognizes academic excellence and community leadership by outstanding CLS students. The Somos award supports internships, research projects, or other initiatives by undergraduates. Students pursuing the Somos award may wish to contact the Program at chicla@letsci.wisc.edu to determine whether their initiatives and the expenses they propose are eligible. The

Program encourages students to seek out other opportunities through the Wisconsin Scholarship Hub (https://wisc.academicworks.com/).

The Program has a library (https://chicla.wisc.edu/student-resources/) with a collection of books and videos on topics related to the field, as well as an Academic Resource Center with computers and a printer that are available to students.

Students enrolled in the CLS Major or Certificate may participate in the Chicanx/e & Latinax/e Studies Certificate Students Association (ChiLaCSA). A list of related student organizations is available on the Program's website (https://chicla.wisc.edu/824-2/).

CHICANX/E AND LATINX/E STUDIES, BS

The Chicanx/e and Latinx/e Studies major offers a systematic and interdisciplinary analysis of Mexican- and Latin-American-origin people, cultures, and collectivities within the United States. The Chicanx/e and Latinx/e Studies major is designed to provide students with a broad knowledge base and the intellectual tools to understand the unity and diversity of those people and cultures, both historically and in the contemporary period, as they explore the central questions and topics that have emerged in this interdisciplinary field. The Chicanx/e and Latinx/e Studies curriculum enables students to engage with the history, experience, arts, literature, cultural production, and social lives of communities of Latin American descent in the United States, developing their capacities for civic and community engagement as well as research, writing, and analytical skills. Chicanx/e and Latinx/e Studies graduates are equipped to include and engage with diverse perspectives as they pursue careers in such fields as education, social service, communications, publishing, business, journalism, agriculture, engineering, the arts, construction, and the health professions.

Note: The endings "x" and "e" in "Chicanx/e and Latinx/e" represent two gender-neutral ways of referring to people of Latin American descent in the United States.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Chicana/o and Latina/o Studies Certificate may not be declared in the Chicanx/e and Latinx/e Studies major at the same time. Students who do wish to declare this major must first cancel their declaration into the Chicana/o and Latina/o Studies Certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

REQUIREMENTS FOR THE MAJOR

The major requires a minimum of 30 credits and the specific requirements include:

Code	Title	Credits
Introductory Course		
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
Introductory Elective		**3**
CHICLA/ AFROAMER/ AMER IND/ ASIAN AM/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	
CHICLA/ HISTORY 151	The North American West to 1850	
CHICLA/ HISTORY 152	The United States West Since 1850	
CHICLA/ HISTORY 153	Latina/Latino/Latinx History	
CHICLA 210	Chicana/o and Latina/o Cultural Studies	
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	

CHICLA/ SPANISH 222	Introduction to Latinx Cultures
CHICLA/ POLI SCI 231	Politics in Multi-Cultural Societies
CHICLA/ GEN&WS/ HISTORY 245	Chicana and Latina History
CHICLA/ HISTORY/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey
CURRIC 240	Critical Aspects of Teaching, Schooling, and Education
COUN PSY 225	Intersectionalities, Self Awareness, and Social Actions for Social Change
COUN PSY 230	Race and the Developing Child
Cultures and Histories	**9**
CHICLA 301	Chicana/o and Latina/o History
CHICLA 328	Cultures and Histories Topics in Chicana/o & Latina/o Studies
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media
CHICLA/ HISTORY/LACIS/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture
CHICLA/ ENGL 368	Chicana/o and Latina/o Literatures
CHICLA/ COM ARTS 419	Latino/as and Media
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World
CHICLA/ ENGL 460	Black and Latinx in Literature and Visual Culture
CHICLA/ SPANISH 467	US Latino Literature
CHICLA/ SPANISH 469	Topics in Latinx Culture
CHICLA/ SPANISH 478	Border and Race Studies in Latin America
CHICLA 520	Latinx Digital Publics
CHICLA 699	Directed Study
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas
Individuals, Peoples, Societies	**9**
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism
CHICLA 315	Racial Formation and Whiteness
CHICLA 330	Topics in Chicano/a Studies
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ HISTORY/ POLI SCI 422	Latino History and Politics
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice
CHICLA/ LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City
CHICLA 501	Chican@ and Latin@ Social Movements in the U.S.
CHICLA 530	Advanced Topics in Chicana/o and Latina/o Studies
CHICLA 699	Directed Study
POLI SCI 304	The Political Economy of Race in the United States
Serving Chicanx and Latinx Communities	**6**
CHICLA/ CURRIC 306	Latinx Literacies
CHICLA/ ED POL 310	Latine Students in the U.S. Higher Education System
CHICLA/ CURRIC 321	Chicano/Latino Educational Justice
CHICLA 329	Education and Service Topics in Chicana/o & Latina/o Studies
CHICLA/ COUN PSY 331	Immigrant Health and Wellbeing
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services
CHICLA/ COUN PSY 590	Esperanza Community-Engaged Research with Latines
CHICLA 699	Directed Study
CURRIC 670	Theories of Bilingualism and Biliteracy
CURRIC 676	Bilingualism and Biliteracy in Schools
HDFS 474	Racial Ethnic Families in the U.S.
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CHICLA and major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence. Upper-level in the major includes CHICLA courses

numbered 300 and above and courses that count for the major that are designated as Intermediate or Advanced level.

- 15 credits in CHICLA taken in residence on the UW-Madison campus

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
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LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and analyze core concepts, important social and political issues, and key artistic and cultural expressions related to Chicanx/e and Latinx/e life in the United States.
2. Discuss the histories of Chicanxs/es and Latinxs/es in the United States and their implications for contemporary problems of racialization, social stratification, colonialism, and oppression.
3. Describe the commonalities and differences among Chicanxs/es and Latinxs/es along lines of class, gender, race, sexuality, citizenship, and national origin, and evaluate Latinidad as a pan-ethnic category in the United States.
4. Analyze relations between Chicanxs/es and Latinxs/es in the United States and their countries of heritage from a transnational and transborder perspective.
5. Apply ideas from Chicanx/e and Latinx/e Studies to concrete problems through service-learning and community-based research, in a spirit of dialogue and reciprocal exchange informed by ethical and social justice principles.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
CHICLA 201	3	CHICLA introductory elective	3
Communication A	3	Biological Science Breadth	3
Quantitative Reasoning A	3-4	CHICLA major course 3 (Cultures and Histories)	3
Foreign Language	4	Elective	3
Elective	3	Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
CHICLA major course 4	3	CHICLA major course 5 (Serving Chicanx & Latinx Communities)	3
Quantitative Reasoning-B	3	Communication B (Communication B can be fulfilled with CHICLA 501 or 520)	3
INTER-LS 210 (elective)	1	Physical Science Breadth	3
Intermediate elective	3	Intermediate elective	3
Intermediate elective	3	Intermediate elective	3
	13		**15**

Third Year

Fall	Credits	Spring	Credits
CHICLA major course 6 (Individuals, Peoples, Societies)	3	CHICLA major course 7 (Cultures and Histories)	3
I/A Comp Sci, Math or Stats (if required for BS)	3	CHICLA major course 8 (Serving Chicanx & Latinx Communities)	3
Intermediate Elective	3	Science Breadth	3
Science Breadth	3	Intermediate Elective	3
Intermediate Elective	3	Intermediate Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
CHICLA major course 9 (Individuals, Peoples, Societies)	3	CHICLA major course 10 (Cultures and Histories)	3
Advanced elective	3	Advanced elective	3
I/A Comp Sci, MATH, or STAT (if BS)	3	Advanced elective	3
Advanced elective	4	Advanced elective	3
Advanced elective	3	Advanced elective	3
	16		**15**

Total Credits 120

THREE-YEAR PLAN

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This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. The plan assumes that students are coming to UW-Madison with approximately 27 credits from AP/IB or college transfer credits. Your plan may look different depending on the number of credits you bring in.

First Year

Fall	Credits	Spring	Credits
CHICLA 201	3	CHICLA Introductory Elective	3
Communication A	3	Biological Science Breadth	3
Quantitative Reasoning A	3-4	CHICLA Major Course 3 (Serving Chicanx and Latinx Communities)	3
Foreign Language	4	Elective	3
Elective	3	Elective	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
CHICLA major course 4 (Individuals, Peoples, Societies)	3	CHICLA major course 5 (Cultures and Histories)	3
Quantitative Reasoning-B	3	Communication-B Communication B can be fulfilled with CHICLA 501 or 520	3
Elective	3	Physical Science Breadth	3
Foreign Language 3	3	CHICLA major course 6 (Individuals, Peoples, Societies)	3
INTER-LS 210 (elective)	1	Intermediate Elective	3
Intermediate elective	3		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
CHICLA major course 7 (Individuals, Peoples, Societies)	3	CHICLA major course 9 (Cultures and Histories)	3
I/A Comp Sci, Math or Stats (if required for BS)	3	CHICLA major course 10 (Serving Chicanx & Latinx Communities)	3
CHICLA major course 8 (Cultures and Histories)	3	I/A Comp Sci, Math or Stats (if required for BS)	3
Science Breadth	3	Science Breadth	3
Advanced elective	3	Advanced elective	3
	15		**15**

Total Credits 93

ADVISING AND CAREERS

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DECLARE OR CANCEL THIS MAJOR

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The PASOS program pairs Chicanx/e and Latinx/e Studies majors and certificate students interested in graduate school with graduate student mentors. PASOS mentors guide mentees as they explore whether graduate school is for them, work on their writing, develop resumes or CVs for future use, identify opportunities, and learn requirements to graduate schools and assess how those fit students' wants and needs.

WISCONSIN LATINX HISTORY COLLECTIVE

The Chicanx/e and Latinx/e Studies Program is the major UW–Madison partner for the Wisconsin Latinx History Collective (https://storymaps.arcgis.com/stories/7a2f1e0a652d4d6e977e0df36ab027e2/), an effort to document the history of communities of Latin American descent in Wisconsin. Chicanx/e and Latinx/e Studies faculty and students are interviewing members of those communities and collecting documents to be held in the Wisconsin Historical Society (https://www.wisconsinhistory.org/) collection for future researchers. The Wisconsin Latinx History Collective has also embarked on a public humanities initiative to make these oral histories and documents more widely available through a digital platform. Many Chicanx/e and Latinx/e Studies classes offer the opportunity to participate in original research related to this project.

LATINX STUDIES JOURNAL

The Latinx Studies Journal (https://chicla.wisc.edu/latinx-studies-journal/) (formerly Concientización) is an annual publication that highlights writing by Chicanx/e and Latinx/e Studies students. Students may submit original research papers, creative writing, art, and more.

CHICANX AND LATINX STUDIES ONLINE

Students in CHICLA 520 Latinx Digital Publics create digital projects for the program's web magazine, Chicanx and Latinx Studies Online (https://chicanxlatinx.chicla.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Undergraduates in the CLS Major or Certificate may apply for the Jesus Salas Academic Activist Scholarship and the Somos Student Development Award (https://chicla.wisc.edu/financial-assistance/). Conferred annually in the spring, the Salas Scholarship recognizes academic excellence and community leadership by outstanding CLS students. The Somos award supports internships, research projects, or other initiatives by undergraduates. Students pursuing the Somos award may wish to contact the Program at chicla@letsci.wisc.edu to determine whether their initiatives and the expenses they propose are eligible. The Program encourages students to seek out other opportunities through the Wisconsin Scholarship Hub (https://wisc.academicworks.com/).

The Program has a library (https://chicla.wisc.edu/student-resources/) with a collection of books and videos on topics related to the field, as well as an Academic Resource Center with computers and a printer that are available to students.

Students enrolled in the CLS Major or Certificate may participate in the Chicanx/e & Latinax/e Studies Certificate Students Association (ChiLaCSA). A list of related student organizations is available on the Program's website (https://chicla.wisc.edu/824-2/).

CLASSICAL AND ANCIENT NEAR EASTERN STUDIES

The widespread influence of Greece and Rome upon our own modern society, the intrinsic attraction of ancient literature, civilization, and material culture, and the interdisciplinary nature of the discipline make classics a dynamic and popular field of study. Moreover, undergraduate training in classics demands an intellectual rigor that can prepare students for more advanced training in graduate school, supplement their studies in a variety of other disciplines in the humanities, sciences, and engineering, and help them gain admittance to professional programs in law and medicine.

To this end, the Department of Classical and Ancient Near Eastern Studies (CANES) offers three majors and a certificate, providing a number of options for students wishing to explore their interests in classical studies. The classical humanities major combines two semesters of language study with elective coursework in literature and culture of the ancient world. Students will also find offerings in art, architecture, archaeology, gender studies, history, literature, philosophy, and politics.

Latin and ancient Greek are regularly offered and provide the foundation for modern English vocabulary, giving context and insight into the history of the words we use today. Class sizes are small, making the experience more personal and creating opportunities for meaningful learning outcomes.

For more information about any of these options, please contact the CANES department (http://canes.wisc.edu/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Classical Humanities, BA (p. 593)
- Classical Humanities, BS (p. 598)
- Classical Studies, Certificate (p. 604)
- Classics, BA (p. 606)
- Classics, BS (p. 610)
- Latin, BA (p. 614)
- Latin, BS (p. 617)

RESOURCES AND SCHOLARSHIPS

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STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

SCHOLARSHIPS AND PRIZES

In addition to routinely nominating or recommending exemplary undergraduate majors for national, regional, local, and university awards, CANES offers the following opportunities for financial support to our majors annually:

Ruth M. Kuhlman Undergraduate Scholarship

Established in 1998 with a bequest from Myron George Kuhlman in memory of his wife, Ruth Miller Kuhlman (BS in Education '32), this is a monetary award for undergraduates to benefit and advance their studies within the field of classics. The total amount of the award may be up to $2,500, and the award may not be granted every academic year depending on the quality of entries and availability of funds. This competition is open to majors only. The call usually goes out in November and closes in February.

Gertrude E. Slaughter Summer Study Scholarship

A monetary award in memory of Gertrude E. Slaughter, author and widow of Professor Moses S. Slaughter 1896–1923, for undergraduate students to advance their studies at an accredited center such as the American School in Athens or the American Academy in Rome, to participate in study abroad, or to participate in an active archaeological field project. Awards will be in the amount of up to $800. This competition is open to majors only. The call usually goes out in November and closes in February.

Logan Prize for Greek Translation

A monetary award in memory of Fellow of Classics, John Watson Logan (PhD '23), for the translation of a passage of ancient Greek. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of ancient Greek and is normally publicized in classes and to department majors in early April.

Pillinger Prize for Latin Translation

A monetary award in memory of Assistant Professor Hugh Edward Pillinger (1965-1970) for the translation of a passage in Latin. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of Latin and is normally publicized in classes and to department majors in early April.

CLASSICAL HUMANITIES, BA

The Classical Humanities major combines two semesters of language study with elective coursework that explores the literature, civilization, and culture of Greece, Rome, and the Ancient Near East. Students choose from a wide variety of courses (https://guide.wisc.edu/courses/classics/) including offerings in art, architecture, archaeology, gender studies, history, literature, philosophy, and politics. In addition to enhancing their language study, these subjects enable our majors to develop a more comprehensive understanding of the ancient world.

Latin (https://guide.wisc.edu/courses/latin/) and ancient Greek (https://guide.wisc.edu/courses/greek/) are regularly offered and provide the foundation for modern English vocabulary, giving context and insight into the history of the words we use today. Class sizes are small, making the experience more personal and creating opportunities for meaningful learning outcomes.

To support Classical Humanities majors as they pursue their educational goals, the department provides annual scholarship (https://canes.wisc.edu/undergraduate-studies/) opportunities. We also offer a summer study abroad (https://canes.wisc.edu/undergraduate-studies/study-abroad/) program led by members of our faculty.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students who declare the Classical Humanities major may not combine this major ("double major") with the Classics or Latin major starting Fall 2023. The major may also not be combined with the Certificate in Classical Studies at the Undergraduate Level.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world.

Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Classical Humanities major consists of a combination of courses in ancient culture and classical languages. The major requirements are divided into three areas: Language, Literature and Culture, and Seminar.

The major requires a minimum of 28 credits and the specific requirements include:

LANGUAGE

Complete one of the following:

Code	Title	Credits
2 semesters of Greek		8 credits
GREEK 103 & GREEK 104	First Semester Ancient Greek and Second Semester Ancient Greek	
2 semesters of Latin		8 credits
LATIN 103 & LATIN 104	First Semester Latin and Second Semester Latin	
1 semester of accelerated Latin		4 credits
LATIN 391	Elementary Intensive Latin	
2 semesters of Biblical Hebrew		8 credits
HEBR-BIB 103 & HEBR-BIB 104	Elementary Biblical Hebrew, I and Elementary Biblical Hebrew, II	
1 semester of accelerated Biblical Hebrew		4 credits
HEBR-BIB 391	Intensive Elementary Biblical Hebrew	

LITERATURE AND CULTURE

21 credits as follows:

Code	Title	Credits
Intermediate/Advanced Literature and Culture		**12**
CLASSICS/ ART HIST 300	The Art and Archaeology of Ancient Greece	
CLASSICS/ ART HIST 304	The Art and Archaeology of Ancient Rome	
CLASSICS 308	Sex and Violence in the Ancient Near East	
CLASSICS 315	Africana Approaches to Biblical Interpretation	
CLASSICS 320	The Greeks	

CLASSICS 321	The Egyptians: History, Society, and Literature
CLASSICS 322	The Romans
CLASSICS/ JEWISH/ RELIG ST 323	The Bible and Film: Literature and Media
CLASSICS/ HEBR-BIB/ JEWISH/ LITTRANS/ RELIG ST 332	Prophets of the Bible
CLASSICS/ JEWISH/ RELIG ST 335	King David in History and Tradition
CLASSICS 340	Conspiracy in the Ancient and Modern Worlds
CLASSICS/ GEN&WS 351	Women and Gender in the Classical World
CLASSICS/ GEN&WS 361	Sex and Power in Greece and Rome
CLASSICS/ HISTORY/ POLI SCI 362	Athenian Democracy
CLASSICS 371	Topics in Greek Culture
CLASSICS 373	Topics in Classical Culture
CLASSICS 420	Ancient Texts, Modern Contexts
CLASSICS 430	Topics in Classical Archaeology
CLASSICS/ ENVIR ST 488	Greeks, Romans and the Natural Environment
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean
CLASSICS 523	Palmyra and the Palmyrenes
CLASSICS 681	Senior Honors Thesis
CLASSICS 691	Senior Thesis
CLASSICS 699	Directed Reading
GREEK 305	Third Semester Ancient Greek
GREEK 306	Fourth Semester Ancient Greek
GREEK 401	Readings in Greek Literature
GREEK 505	Greek Prose Composition
GREEK 510	Homer
GREEK 511	Hesiod
GREEK 512	Greek Lyric Poets
GREEK 520	Greek Comedy
GREEK 521	Greek Tragedy
GREEK 530	Herodotus
GREEK 532	Thucydides
GREEK 541	Greek Philosophical Writers
GREEK 551	Attic Orators
GREEK 560	Hellenistic Greek
GREEK 571	Advanced Readings in Greek Literature
GREEK 681	Honors Thesis
GREEK 691	Senior Thesis
GREEK 699	Directed Study
HEBR-BIB 323	Intermediate Biblical Hebrew, I
HEBR-BIB 324	Intermediate Biblical Hebrew, II
LATIN 305	Third Semester Latin
LATIN 306	Fourth Semester Latin
LATIN 401	Readings in Latin Literature
LATIN 505	Elementary Prose Composition
LATIN 515	Vergil
LATIN 519	Latin Poetry
LATIN 520	Roman Drama
LATIN 523	Roman Satire
LATIN 524	Roman Novel
LATIN 539	Latin Historical Writers
LATIN 549	Latin Philosophical Writers
LATIN 559	Latin Oratory
LATIN/ MEDIEVAL 563	Mediaeval Latin
LATIN 681	Honors Thesis
LATIN 691	Senior Thesis
LATIN 699	Directed Study
ART HIST 301	Myths, Loves, and Lives in Greek Vases
ART HIST 302	Greek Sculpture
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453
ART HIST 405	Cities and Sanctuaries of Ancient Greece
ART HIST 505	Proseminar in Ancient Art
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500
HISTORY 303	A History of Greek Civilization
HISTORY 307	A History of Rome
PHILOS 430	History of Ancient Philosophy
PHILOS 454	Classical Philosophers
Literature and Culture Electives	**9**
CLASSICS 100	Legacy of Greece and Rome in Modern Culture
CLASSICS 101	Topics in Classical and Ancient Near Eastern Studies
CLASSICS 102	Topics in Classical and Ancient Near Eastern Literature
CLASSICS 103	Nature, Race, and Human Difference
CLASSICS/ HISTORY 110	The Ancient Mediterranean
CLASSICS 150	Ancient Greek and Roman Monsters
CLASSICS 205	Greek and Latin Origins of Medical Terms
CLASSICS 206	Classical Influences on Western Art and Science
CLASSICS/ JEWISH/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)
CLASSICS/ JEWISH 241	Introduction to Biblical Archaeology

CLASSICS 270	Classical Mythology
GREEK 103	First Semester Ancient Greek
GREEK 104	Second Semester Ancient Greek
HEBR-BIB 103	Elementary Biblical Hebrew, I
HEBR-BIB 104	Elementary Biblical Hebrew, II
HEBR-BIB 391	Intensive Elementary Biblical Hebrew
LATIN 103	First Semester Latin
LATIN 104	Second Semester Latin
LATIN 391	Elementary Intensive Latin
AN SCI 240	Ancient Animals and Peoples
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals
ILS 201	Western Culture: Science, Technology, Philosophy I
ILS 203	Western Culture: Literature and the Arts I
ILS 205	Western Culture: Political, Economic, and Social Thought I
Total Credits	**21**

SEMINAR

Code	Title	Credits
1 course from the following:		3
CLASSICS 591	Undergraduate Seminar: Approaches to the Classical World [1]	
CLASSICS 682	Senior Honors Thesis	
CLASSICS 692	Senior Thesis	
GREEK 505	Greek Prose Composition	
GREEK 510	Homer	
GREEK 511	Hesiod	
GREEK 512	Greek Lyric Poets	
GREEK 520	Greek Comedy	
GREEK 521	Greek Tragedy	
GREEK 530	Herodotus	
GREEK 532	Thucydides	
GREEK 541	Greek Philosophical Writers	
GREEK 551	Attic Orators	
GREEK 560	Hellenistic Greek	
GREEK 571	Advanced Readings in Greek Literature	
GREEK 682	Senior Honors Thesis	
GREEK 692	Senior Thesis	
LATIN 505	Elementary Prose Composition	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
LATIN/ MEDIEVAL 563	Mediaeval Latin	
LATIN 682	Senior Honors Thesis	
LATIN 692	Senior Thesis	
Total Credits		**3**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CLASSICS, GREEK, HEBR-BIB, and LATIN courses and all other courses in the major
- 2.000 GPA in 15 upper-level major credits, taken in residence[2]
- 15 credits in CLASSICS, GREEK, and LATIN, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Classical Humanities Major in consultation with the Classical Humanities undergraduate advisor.

HONORS IN THE MAJOR IN CLASSICAL HUMANITIES: REQUIREMENTS

To earn Honors in the Major in Classical Humanities, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all CLASSICS, GREEK, HEBR-BIB, and LATIN courses, and all courses accepted in the major, at the upper-level
- Complete the following coursework:
  - 9 credits, taken for Honors, with a grade of B or better, from the list of Literature and Culture requirements above
  - A two-semester Senior Honors Thesis in CLASSICS 681 and CLASSICS 682, for a total of 6 credits

FOOTNOTES

1 CLASSICS 591 is typically offered every spring semester; it is normally taken senior year.

2 Courses at the Intermediate and Advanced levels are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate knowledge of ancient Greek, Roman, and Near Eastern societies and cultures.
2. Demonstrate competence in the critical methodologies of textual and material analysis with a view to social and cultural interpretation.
3. Compare and critique ancient Greek, Roman, and Near Eastern societies and cultures to demonstrate intercultural competence and ethical reasoning.
4. Create new knowledge in ancient Greek, Roman, or Near Eastern studies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LATIN 103 or GREEK 103	4	LATIN 104, GREEK 104, or LATIN 391[1]	4
One CLASSICS or related course at Elementary level	3	One CLASSICS or related course at Elementary level	3
Communication Part A (complete during first year)	3	Quantitative Reasoning Part A (complete during first year)	4
Biological Science Breadth	4	Ethnic Studies	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
CLASSICS 320 or 322[2]	3	One CLASSICS or related course at Intermediate level	3
Physical Science Breadth	4	Quantitative Reasoning B	4
Social Science Breadth	3	Social Science Breadth	3
Continue language study for BA/BS OR Elective	3	Continue language study for BA OR Elective	3
Elective	3	Elective	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
One CLASSICS or related course at Intermediate level	3	One CLASSICS or related course at Intermediate level	3
Social Science Breadth	3	Social Science Breadth	3
Science Breadth	3	Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
One CLASSICS or related course at Intermediate level	3	CLASSICS 591	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

1 LATIN 391 Elementary Intensive Latin is an accelerated course equal to LATIN 103 First Semester Latin and LATIN 104 Second Semester Latin combined

2 Fulfills Communication Part B & L&S Literature Breadth requirement

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Classical and Ancient Near Eastern Studies website. (https://canes.wisc.edu/undergraduate-studies/)

ADVISING

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Ancient Greek and Roman Monsters* and *Sex and Violence in the Ancient Near East* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your challenges and difficulties
- Connecting with tutors
- Choosing a study abroad program

- Practicing for interviews
- Talking about graduate school
- Proofreading résumés and cover letters

CAREERS

Humanities majors enable students to consider just about any type of career or educational pursuit. Our coursework builds the critical thinking and communication skills needed to succeed in careers ranging from politics and education to business and law.

Think about what you learn in a classroom setting as well as what you do each day to be a successful student; the skills you develop are equally important in the workplace:

- critical reading, reflection, and analysis
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose
- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
- discussion and debate strategies
- proper research design and methodology
- broader knowledge of career and graduate-study options

One of the more significant skills CANES majors develop is language acquisition. Study of ancient Greek, Latin, or Biblical Hebrew sets you apart and demonstrates your willingness to explore and expand your understanding of history and culture. In addition, the study of ancient languages shows discipline and perseverance. Overall, you will have a wide variety of skills and talents to start you on the path to a rewarding career! Visit our Alumni page (https://canes.wisc.edu/people/alumni/) and our Career and Skill Development page (https://canes.wisc.edu/undergraduate-studies/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

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CLASSICAL HUMANITIES, BS

The Classical Humanities major combines two semesters of language study with elective coursework that explores the literature, civilization, and culture of Greece, Rome, and the Ancient Near East. Students choose

from a wide variety of courses (https://guide.wisc.edu/courses/classics/) including offerings in art, architecture, archaeology, gender studies, history, literature, philosophy, and politics. In addition to enhancing their language study, these subjects enable our majors to develop a more comprehensive understanding of the ancient world.

Latin (https://guide.wisc.edu/courses/latin/) and ancient Greek (https://guide.wisc.edu/courses/greek/) are regularly offered and provide the foundation for modern English vocabulary, giving context and insight into the history of the words we use today. Class sizes are small, making the experience more personal and creating opportunities for meaningful learning outcomes.

To support Classical Humanities majors as they pursue their educational goals, the department provides annual scholarship (https://canes.wisc.edu/undergraduate-studies/) opportunities. We also offer a summer study abroad (https://canes.wisc.edu/undergraduate-studies/study-abroad/) program led by members of our faculty.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students who declare the Classical Humanities major may not combine this major ("double major") with the Classics or Latin major starting Fall 2023. The major may also not be combined with the Certificate in Classical Studies at the Undergraduate Level.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Classical Humanities major consists of a combination of courses in ancient culture and classical languages. The major requirements are divided into three areas: Language, Literature and Culture, and Seminar.

The major requires a minimum of 28 credits and the specific requirements include:

LANGUAGE

Complete one of the following:

Code	Title	Credits
2 semesters of Greek		8 credits
GREEK 103 & GREEK 104	First Semester Ancient Greek and Second Semester Ancient Greek	
2 semesters of Latin		8 credits
LATIN 103 & LATIN 104	First Semester Latin and Second Semester Latin	
1 semester of accelerated Latin		4 credits
LATIN 391	Elementary Intensive Latin	
2 semesters of Biblical Hebrew		8 credits
HEBR-BIB 103 & HEBR-BIB 104	Elementary Biblical Hebrew, I and Elementary Biblical Hebrew, II	
1 semester of accelerated Biblical Hebrew		4 credits
HEBR-BIB 391	Intensive Elementary Biblical Hebrew	

LITERATURE AND CULTURE

21 credits as follows:

Code	Title	Credits
Intermediate/Advanced Literature and Culture		**12**
CLASSICS/ ART HIST 300	The Art and Archaeology of Ancient Greece	
CLASSICS/ ART HIST 304	The Art and Archaeology of Ancient Rome	
CLASSICS 308	Sex and Violence in the Ancient Near East	
CLASSICS 315	Africana Approaches to Biblical Interpretation	
CLASSICS 320	The Greeks	
CLASSICS 321	The Egyptians: History, Society, and Literature	
CLASSICS 322	The Romans	
CLASSICS/ JEWISH/ RELIG ST 323	The Bible and Film: Literature and Media	
CLASSICS/ HEBR-BIB/ JEWISH/ LITTRANS/ RELIG ST 332	Prophets of the Bible	
CLASSICS/ JEWISH/ RELIG ST 335	King David in History and Tradition	
CLASSICS 340	Conspiracy in the Ancient and Modern Worlds	
CLASSICS/ GEN&WS 351	Women and Gender in the Classical World	
CLASSICS/ GEN&WS 361	Sex and Power in Greece and Rome	
CLASSICS/ HISTORY/ POLI SCI 362	Athenian Democracy	
CLASSICS 371	Topics in Greek Culture	
CLASSICS 373	Topics in Classical Culture	
CLASSICS 420	Ancient Texts, Modern Contexts	
CLASSICS 430	Topics in Classical Archaeology	
CLASSICS/ ENVIR ST 488	Greeks, Romans and the Natural Environment	
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean	
CLASSICS 523	Palmyra and the Palmyrenes	
CLASSICS 681	Senior Honors Thesis	
CLASSICS 691	Senior Thesis	
CLASSICS 699	Directed Reading	
GREEK 305	Third Semester Ancient Greek	
GREEK 306	Fourth Semester Ancient Greek	
GREEK 401	Readings in Greek Literature	
GREEK 505	Greek Prose Composition	
GREEK 510	Homer	
GREEK 511	Hesiod	
GREEK 512	Greek Lyric Poets	
GREEK 520	Greek Comedy	
GREEK 521	Greek Tragedy	
GREEK 530	Herodotus	
GREEK 532	Thucydides	
GREEK 541	Greek Philosophical Writers	
GREEK 551	Attic Orators	
GREEK 560	Hellenistic Greek	
GREEK 571	Advanced Readings in Greek Literature	
GREEK 681	Honors Thesis	
GREEK 691	Senior Thesis	
GREEK 699	Directed Study	
HEBR-BIB 323	Intermediate Biblical Hebrew, I	
HEBR-BIB 324	Intermediate Biblical Hebrew, II	
LATIN 305	Third Semester Latin	
LATIN 306	Fourth Semester Latin	
LATIN 401	Readings in Latin Literature	

LATIN 505	Elementary Prose Composition
LATIN 515	Vergil
LATIN 519	Latin Poetry
LATIN 520	Roman Drama
LATIN 523	Roman Satire
LATIN 524	Roman Novel
LATIN 539	Latin Historical Writers
LATIN 549	Latin Philosophical Writers
LATIN 559	Latin Oratory
LATIN/ MEDIEVAL 563	Mediaeval Latin
LATIN 681	Honors Thesis
LATIN 691	Senior Thesis
LATIN 699	Directed Study
ART HIST 301	Myths, Loves, and Lives in Greek Vases
ART HIST 302	Greek Sculpture
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453
ART HIST 405	Cities and Sanctuaries of Ancient Greece
ART HIST 505	Proseminar in Ancient Art
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500
HISTORY 303	A History of Greek Civilization
HISTORY 307	A History of Rome
PHILOS 430	History of Ancient Philosophy
PHILOS 454	Classical Philosophers
Literature and Culture Electives	**9**
CLASSICS 100	Legacy of Greece and Rome in Modern Culture
CLASSICS 101	Topics in Classical and Ancient Near Eastern Studies
CLASSICS 102	Topics in Classical and Ancient Near Eastern Literature
CLASSICS 103	Nature, Race, and Human Difference
CLASSICS/ HISTORY 110	The Ancient Mediterranean
CLASSICS 150	Ancient Greek and Roman Monsters
CLASSICS 205	Greek and Latin Origins of Medical Terms
CLASSICS 206	Classical Influences on Western Art and Science
CLASSICS/ JEWISH/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)
CLASSICS/ JEWISH 241	Introduction to Biblical Archaeology
CLASSICS 270	Classical Mythology
GREEK 103	First Semester Ancient Greek
GREEK 104	Second Semester Ancient Greek
HEBR-BIB 103	Elementary Biblical Hebrew, I
HEBR-BIB 104	Elementary Biblical Hebrew, II
HEBR-BIB 391	Intensive Elementary Biblical Hebrew
LATIN 103	First Semester Latin
LATIN 104	Second Semester Latin
LATIN 391	Elementary Intensive Latin
AN SCI 240	Ancient Animals and Peoples
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals
ILS 201	Western Culture: Science, Technology, Philosophy I
ILS 203	Western Culture: Literature and the Arts I
ILS 205	Western Culture: Political, Economic, and Social Thought I
Total Credits	**21**

SEMINAR

Code	Title	Credits
1 course from the following:		3
CLASSICS 591	Undergraduate Seminar: Approaches to the Classical World [1]	
CLASSICS 682	Senior Honors Thesis	
CLASSICS 692	Senior Thesis	
GREEK 505	Greek Prose Composition	
GREEK 510	Homer	
GREEK 511	Hesiod	
GREEK 512	Greek Lyric Poets	
GREEK 520	Greek Comedy	
GREEK 521	Greek Tragedy	
GREEK 530	Herodotus	
GREEK 532	Thucydides	
GREEK 541	Greek Philosophical Writers	
GREEK 551	Attic Orators	
GREEK 560	Hellenistic Greek	
GREEK 571	Advanced Readings in Greek Literature	
GREEK 682	Senior Honors Thesis	
GREEK 692	Senior Thesis	
LATIN 505	Elementary Prose Composition	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
LATIN/ MEDIEVAL 563	Mediaeval Latin	
LATIN 682	Senior Honors Thesis	
LATIN 692	Senior Thesis	
Total Credits		**3**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CLASSICS, GREEK, HEBR-BIB, and LATIN courses and all other courses in the major
- 2.000 GPA in 15 upper-level major credits, taken in residence[2]
- 15 credits in CLASSICS, GREEK, and LATIN, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Classical Humanities Major in consultation with the Classical Humanities undergraduate advisor.

HONORS IN THE MAJOR IN CLASSICAL HUMANITIES: REQUIREMENTS

To earn Honors in the Major in Classical Humanities, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all CLASSICS, GREEK, HEBR-BIB, and LATIN courses, and all courses accepted in the major, at the upper-level
- Complete the following coursework:
  - 9 credits, taken for Honors, with a grade of B or better, from the list of Literature and Culture requirements above
  - A two-semester Senior Honors Thesis in CLASSICS 681 and CLASSICS 682, for a total of 6 credits

FOOTNOTES

1 CLASSICS 591 is typically offered every spring semester; it is normally taken senior year.

2 Courses at the Intermediate and Advanced levels are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate knowledge of ancient Greek, Roman, and Near Eastern societies and cultures.
2. Demonstrate competence in the critical methodologies of textual and material analysis with a view to social and cultural interpretation.
3. Compare and critique ancient Greek, Roman, and Near Eastern societies and cultures to demonstrate intercultural competence and ethical reasoning.
4. Create new knowledge in ancient Greek, Roman, or Near Eastern studies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LATIN 103 or GREEK 103	4	LATIN 104, GREEK 104, or LATIN 391[1]	4
One CLASSICS or related course at Elementary level	3	One CLASSICS or related course at Elementary level	3
Communication Part A (complete during first year)	3	Quantitative Reasoning Part A (complete during first year)	4
Biological Science Breadth	4	Ethnic Studies	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
CLASSICS 320 or 322[2]	3	One CLASSICS or related course at Intermediate level	3
Physical Science Breadth	4	Quantitative Reasoning B	4
Social Science Breadth	3	Social Science Breadth	3
Continue language study for BA/BS OR Elective	3	Continue language study for BA OR Elective	3
Elective	3	Elective	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
One CLASSICS or related course at Intermediate level	3	One CLASSICS or related course at Intermediate level	3
Social Science Breadth	3	Social Science Breadth	3
Science Breadth	3	Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
One CLASSICS or related course at Intermediate level	3	CLASSICS 591	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

1 LATIN 391 Elementary Intensive Latin is an accelerated course equal to LATIN 103 First Semester Latin and LATIN 104 Second Semester Latin combined

2 Fulfills Communication Part B & L&S Literature Breadth requirement

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Classical and Ancient Near Eastern Studies website. (https://canes.wisc.edu/undergraduate-studies/)

ADVISING

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Ancient Greek and Roman Monsters* and *Sex and Violence in the Ancient Near East* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your challenges and difficulties
- Connecting with tutors
- Choosing a study abroad program
- Practicing for interviews
- Talking about graduate school
- Proofreading résumés and cover letters

CAREERS

Humanities majors enable students to consider just about any type of career or educational pursuit. Our coursework builds the critical thinking and communication skills needed to succeed in careers ranging from politics and education to business and law.

Think about what you learn in a classroom setting as well as what you do each day to be a successful student; the skills you develop are equally important in the workplace:

- critical reading, reflection, and analysis
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose
- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
- discussion and debate strategies
- proper research design and methodology
- broader knowledge of career and graduate-study options

One of the more significant skills CANES majors develop is language acquisition. Study of ancient Greek, Latin, or Biblical Hebrew sets you apart and demonstrates your willingness to explore and expand your understanding of history and culture. In addition, the study of ancient languages shows discipline and perseverance. Overall, you will have a wide variety of skills and talents to start you on the path to a rewarding career! Visit our Alumni page (https://canes.wisc.edu/people/alumni/) and our Career and Skill Development page (https://canes.wisc.edu/undergraduate-studies/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

SCHOLARSHIPS AND PRIZES

In addition to routinely nominating or recommending exemplary undergraduate majors for national, regional, local, and university awards, CANES offers the following opportunities for financial support to our majors annually:

Ruth M. Kuhlman Undergraduate Scholarship

Established in 1998 with a bequest from Myron George Kuhlman in memory of his wife, Ruth Miller Kuhlman (BS in Education '32), this is a monetary award for undergraduates to benefit and advance their studies within the field of classics. The total amount of the award may be up to $2,500, and the award may not be granted every academic year depending on the quality of entries and availability of funds. This competition is open to majors only. The call usually goes out in November and closes in February.

Gertrude E. Slaughter Summer Study Scholarship

A monetary award in memory of Gertrude E. Slaughter, author and widow of Professor Moses S. Slaughter 1896–1923, for undergraduate students to advance their studies at an accredited center such as the American School in Athens or the American Academy in Rome, to participate in study abroad, or to participate in an active archaeological field project. Awards will be in the amount of up to $800. This competition is open to majors only. The call usually goes out in November and closes in February.

Logan Prize for Greek Translation

A monetary award in memory of Fellow of Classics, John Watson Logan (PhD '23), for the translation of a passage of ancient Greek. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of ancient Greek and is normally publicized in classes and to department majors in early April.

Pillinger Prize for Latin Translation

A monetary award in memory of Assistant Professor Hugh Edward Pillinger (1965-1970) for the translation of a passage in Latin. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of Latin and is normally publicized in classes and to department majors in early April.

CLASSICAL STUDIES, CERTIFICATE

The Classical Studies certificate allows students to explore the literature, civilization, and culture of the ancient world. Students choose from a wide variety of courses (https://guide.wisc.edu/courses/classics/), including offerings in art, architecture, archaeology, gender studies, history, literature, philosophy, and politics. Plus, we count language courses, too! Latin (https://guide.wisc.edu/courses/latin/) and ancient Greek (https://guide.wisc.edu/courses/greek/) are regularly offered and provide the foundation for modern English vocabulary, giving context and insight into the history of the words we use today. Class sizes are small, making the experience more personal and creating opportunities for meaningful learning outcomes.

This combination of flexibility and variety are special features making the certificate attractive to students, allowing students the ability to explore their individual interests on the way to developing a more comprehensive understanding of the ancient world.

HOW TO GET IN

HOW TO GET IN

Declaring the classical studies certificate is as easy as meeting with the CANES advisor. Make an appointment using Starfish. (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/)

Please note: Classical humanities majors are **not** allowed to declare the certificate.

REQUIREMENTS

REQUIREMENTS

The certificate is 15 credits comprised of the following:

Code	Title	Credits
Intermediate/Advanced Literature and Culture		**9**
CLASSICS/ ART HIST 300	The Art and Archaeology of Ancient Greece	
CLASSICS/ ART HIST 304	The Art and Archaeology of Ancient Rome	
CLASSICS 308	Sex and Violence in the Ancient Near East	
CLASSICS 315	Africana Approaches to Biblical Interpretation	
CLASSICS 320	The Greeks	
CLASSICS 321	The Egyptians: History, Society, and Literature	
CLASSICS 322	The Romans	
CLASSICS/ JEWISH/ RELIG ST 323	The Bible and Film: Literature and Media	

CLASSICS/ HEBR-BIB/ JEWISH/ LITTRANS/ RELIG ST 332	Prophets of the Bible
CLASSICS/ JEWISH/ RELIG ST 335	King David in History and Tradition
CLASSICS 340	Conspiracy in the Ancient and Modern Worlds
CLASSICS/ GEN&WS 351	Women and Gender in the Classical World
CLASSICS/ GEN&WS 361	Sex and Power in Greece and Rome
CLASSICS/ HISTORY/ POLI SCI 362	Athenian Democracy
CLASSICS 371	Topics in Greek Culture
CLASSICS 373	Topics in Classical Culture
CLASSICS 420	Ancient Texts, Modern Contexts
CLASSICS 430	Topics in Classical Archaeology
CLASSICS/ ENVIR ST 488	Greeks, Romans and the Natural Environment
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean
CLASSICS 523	Palmyra and the Palmyrenes
CLASSICS 591	Undergraduate Seminar: Approaches to the Classical World
CLASSICS 699	Directed Reading
GREEK 305	Third Semester Ancient Greek
GREEK 306	Fourth Semester Ancient Greek
HEBR-BIB 323	Intermediate Biblical Hebrew, I
HEBR-BIB 324	Intermediate Biblical Hebrew, II
LATIN 305	Third Semester Latin
LATIN 306	Fourth Semester Latin
LATIN 401	Readings in Latin Literature
ART HIST 301	Myths, Loves, and Lives in Greek Vases
ART HIST 302	Greek Sculpture
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome
ART HIST 405	Cities and Sanctuaries of Ancient Greece
ART HIST 505	Proseminar in Ancient Art
HISTORY 303	A History of Greek Civilization
HISTORY 307	A History of Rome
PHILOS 430	History of Ancient Philosophy
PHILOS 454	Classical Philosophers
Literature and Culture Electives	**6**
CLASSICS 100	Legacy of Greece and Rome in Modern Culture
CLASSICS 101	Topics in Classical and Ancient Near Eastern Studies
CLASSICS 102	Topics in Classical and Ancient Near Eastern Literature
CLASSICS 103	Nature, Race, and Human Difference
CLASSICS/ HISTORY 110	The Ancient Mediterranean
CLASSICS 150	Ancient Greek and Roman Monsters
CLASSICS 205	Greek and Latin Origins of Medical Terms
CLASSICS 206	Classical Influences on Western Art and Science
CLASSICS/ JEWISH/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)
CLASSICS/ JEWISH 241	Introduction to Biblical Archaeology
CLASSICS 270	Classical Mythology
GREEK 103	First Semester Ancient Greek
GREEK 104	Second Semester Ancient Greek
HEBR-BIB 103	Elementary Biblical Hebrew, I
HEBR-BIB 104	Elementary Biblical Hebrew, II
HEBR-BIB 391	Intensive Elementary Biblical Hebrew
LATIN 103	First Semester Latin
LATIN 104	Second Semester Latin
LATIN 391	Elementary Intensive Latin
AN SCI 240	Ancient Animals and Peoples
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500
HISTORY 223	Explorations in European History (H)
ILS 201	Western Culture: Science, Technology, Philosophy I
ILS 203	Western Culture: Literature and the Arts I
ILS 205	Western Culture: Political, Economic, and Social Thought I
Total Credits	**15**

[1] Courses taken Pass/Fail do not count in the certificate.

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all courses approved for the certificate
- At least 8 credits in the certificate, taken in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate knowledge of ancient Greek, Roman, and Near Eastern societies and cultures.
2. Demonstrate competence in the critical methodologies of textual and material analysis with a view to social and cultural interpretation.
3. Compare and critique ancient Greek, Roman, and Near Eastern societies and cultures to demonstrate intercultural competence and ethical reasoning.

ADVISING AND CAREERS

ADVISING AND CAREERS

If you like to plan, seeing your advisor is very important; it can make the difference between fitting in *Ancient Greek and Roman Monsters* and *Sex and Violence in the Ancient Near East* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your challenges and difficulties
- Connecting with tutors
- Choosing a study abroad program
- Practicing for interviews
- Talking about graduate school
- Proofreading résumés and cover letters

Overall, you will have a wide variety of skills and talents to start you on the path to a rewarding career! Visit our Alumni page (https://canes.wisc.edu/people/alumni/) and our Career and Skill Development page (https://canes.wisc.edu/undergraduate-studies/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CLASSICS, BA

Admissions to the Classics BA/BS have been suspended as of summer 2024 and will be discontinued as of summer 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

See the Classical Humanities major (p. 593) instead.

Please consult the Classical and Ancient Near Eastern Studies advisor (advising@canes.wisc.edu) (advising@canes.wisc.edu) with questions about the Classics major.

HOW TO GET IN

HOW TO GET IN

Admissions to the Classics BA/BS have been suspended as of summer 2024 and will be discontinued as of summer 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

See the Classical Humanities major (p. 593) instead.

DECLARING THE MAJOR

For more information about the Classics major, contact advising@canes.wisc.edu

Students who declare the Classics major may not combine this major ("double major") with the Classical Humanities major starting Fall 2023.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

A major in Classics allows students to place primary emphasis on learning Greek or Latin, yet gain some language training in both. Whether the primary language of study is Greek or Latin, the major requires 23 credits and assumes students have taken the first two semesters of both languages prior to entering the major.

CLASSICS–LATIN EMPHASIS

Code	Title	Credits
GREEK courses:		
GREEK 305	Third Semester Ancient Greek	3
GREEK 306	Fourth Semester Ancient Greek	3
LATIN courses:		
LATIN 305	Third Semester Latin	4
LATIN 306	Fourth Semester Latin	4
LATIN 401	Readings in Latin Literature	3
Two LATIN courses at the 500 level, select from:		6
LATIN 505	Elementary Prose Composition	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
LATIN/ MEDIEVAL 563	Mediaeval Latin	
Total Credits		**23**

CLASSICS–GREEK EMPHASIS

Code	Title	Credits
LATIN courses:		
LATIN 305	Third Semester Latin	4
LATIN 306	Fourth Semester Latin	4
GREEK courses:		
GREEK 305	Third Semester Ancient Greek	3
GREEK 306	Fourth Semester Ancient Greek	3
GREEK 401	Readings in Greek Literature	3
Two GREEK courses at the 500 level, select from:		6
GREEK 505	Greek Prose Composition	
GREEK 510	Homer	
GREEK 511	Hesiod	

GREEK 512	Greek Lyric Poets
GREEK 520	Greek Comedy
GREEK 521	Greek Tragedy
GREEK 530	Herodotus
GREEK 532	Thucydides
GREEK 551	Attic Orators
GREEK 560	Hellenistic Greek
Total Credits	**23**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CLASSICS and major courses
- 2.000 GPA in at least 15 credits of upper-level work in the major[1]
- 15 credits in CLASSICS, taken at UW–Madison

HONORS IN THE MAJOR

Students may declare Honors in the Classics Major in consultation with the Classics undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Classics, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in upper-level work in the major
- Complete the following coursework, with a grade of B or better:
  - CLASSICS 591 and
  - Senior Honors Thesis (CLASSICS 681 &CLASSICS 682) for a 6 credits

FOOTNOTES

[1] Courses at the Intermediate and Advanced levels are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize, identify, and explain forms, syntax, and vocabulary of the classical and biblical languages.
2. Demonstrate close reading skills that emphasize accuracy and nuance in translation.
3. Demonstrate critical reading skills which emphasize textual analysis, interpretation, and evaluation.
4. Demonstrate competency with texts and authors from the classical and near eastern tradition.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LATIN 103 or GREEK 103	4	LATIN 104 or GREEK 104	4
Communication Part A (complete during first year)	3	Quantitative Reasoning A (complete during first year)	3
Physical Science Breadth	3	Ethnic Studies	3
Social Science Breadth	4	Biological Science Breadth	3
	14		**13**

Second Year

Fall	Credits	Spring	Credits
LATIN 305 or GREEK 305	4	LATIN 306 or GREEK 306	4
GREEK 103 or LATIN 103	4	GREEK 104 or LATIN 104	4
Communication Part B	3	Quantitative Reasoning Part B	3
Social Science Breadth	4	Social Science Breadth	3
Science Breadth	3	Science Breadth	3
	18		**17**

Third Year

Fall	Credits	Spring	Credits
LATIN 401	3	LATIN 500-level course	3
or GREEK 500-level course		or GREEK 500-level course	
GREEK 305 or LATIN 305	3-4	GREEK 306 or LATIN 306	3-4
Social Science Breadth	3	Elective	3

Elective	3 Elective	3
Elective	3 Elective	3
	15	**15**

Fourth Year

Fall	**Credits Spring**	**Credits**
500-level LATIN or GREEK course	3 Elective	3
Elective	3 Elective	3
Elective	3 Elective	3
Elective	3 Elective	3
Elective	1 Elective	3
	13	**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Vergil* or *Homer* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your challenges and difficulties
- Connecting with tutors
- Choosing a study abroad program
- Practicing for interviews
- Talking about graduate school
- Proofreading résumés and cover letters

CAREERS

Humanities majors enable students to consider just about any type of career or educational pursuit. Our coursework builds the critical thinking and communication skills needed to succeed in careers ranging from politics and education to business and law.

Think about what you learn in a classroom setting as well as what you do each day to be a successful student; the skills you develop are equally important in the workplace:

- critical reading, reflection, and analysis
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose
- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
- discussion and debate strategies
- proper research design and methodology
- broader knowledge of career and graduate-study options

One of the more significant skills CANES majors develop is language acquisition. Study of Greek, Latin, or Biblical Hebrew sets you apart and demonstrates your willingness to explore and expand your understanding of history and culture. In addition, the study of ancient languages shows discipline and perseverance. Overall, you will have a wide variety of skills and talents to start you on the path to a rewarding career! Visit our Alumni page (https://canes.wisc.edu/people/alumni/) and our Career and Skill Development page (https://canes.wisc.edu/undergraduate-studies/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

SCHOLARSHIPS AND PRIZES

In addition to routinely nominating or recommending exemplary undergraduate majors for national, regional, local, and university awards, CANES offers the following opportunities for financial support to our majors annually:

Ruth M. Kuhlman Undergraduate Scholarship

Established in 1998 with a bequest from Myron George Kuhlman in memory of his wife, Ruth Miller Kuhlman (BS in Education '32), this is

a monetary award for undergraduates to benefit and advance their studies within the field of classics. The total amount of the award may be up to $2,500, and the award may not be granted every academic year depending on the quality of entries and availability of funds. This competition is open to majors only. The call usually goes out in November and closes in February.

Gertrude E. Slaughter Summer Study Scholarship

A monetary award in memory of Gertrude E. Slaughter, author and widow of Professor Moses S. Slaughter 1896–1923, for undergraduate students to advance their studies at an accredited center such as the American School in Athens or the American Academy in Rome, to participate in study abroad, or to participate in an active archaeological field project. Awards will be in the amount of up to $800. This competition is open to majors only. The call usually goes out in November and closes in February.

Logan Prize for Greek Translation

A monetary award in memory of Fellow of Classics, John Watson Logan (PhD '23), for the translation of a passage of ancient Greek. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of ancient Greek and is normally publicized in classes and to department majors in early April.

Pillinger Prize for Latin Translation

A monetary award in memory of Assistant Professor Hugh Edward Pillinger (1965-1970) for the translation of a passage in Latin. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of Latin and is normally publicized in classes and to department majors in early April.

CLASSICS, BS

Admissions to the Classics BA/BS have been suspended as of summer 2024 and will be discontinued as of summer 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

See the Classical Humanities major (p. 593) instead.

Please consult the Classical and Ancient Near Eastern Studies advisor (advising@canes.wisc.edu) (advising@canes.wisc.edu) with questions about the Classics major.

HOW TO GET IN

HOW TO GET IN

Admissions to the Classics BA/BS have been suspended as of summer 2024 and will be discontinued as of summer 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

See the Classical Humanities major (p. 593) instead.

DECLARING THE MAJOR

For more information about the Classics major, contact advising@canes.wisc.edu

Students who declare the Classics major may not combine this major ("double major") with the Classical Humanities major starting Fall 2023.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.

Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

A major in Classics allows students to place primary emphasis on learning Greek or Latin, yet gain some language training in both. Whether the primary language of study is Greek or Latin, the major requires 23 credits and assumes students have taken the first two semesters of both languages prior to entering the major.

CLASSICS–LATIN EMPHASIS

Code	Title	Credits
GREEK courses:		
GREEK 305	Third Semester Ancient Greek	3
GREEK 306	Fourth Semester Ancient Greek	3
LATIN courses:		
LATIN 305	Third Semester Latin	4
LATIN 306	Fourth Semester Latin	4
LATIN 401	Readings in Latin Literature	3
Two LATIN courses at the 500 level, select from:		6
LATIN 505	Elementary Prose Composition	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
LATIN/ MEDIEVAL 563	Mediaeval Latin	
Total Credits		**23**

CLASSICS–GREEK EMPHASIS

Code	Title	Credits
LATIN courses:		
LATIN 305	Third Semester Latin	4
LATIN 306	Fourth Semester Latin	4
GREEK courses:		
GREEK 305	Third Semester Ancient Greek	3
GREEK 306	Fourth Semester Ancient Greek	3
GREEK 401	Readings in Greek Literature	3
Two GREEK courses at the 500 level, select from:		6
GREEK 505	Greek Prose Composition	
GREEK 510	Homer	
GREEK 511	Hesiod	
GREEK 512	Greek Lyric Poets	
GREEK 520	Greek Comedy	
GREEK 521	Greek Tragedy	
GREEK 530	Herodotus	
GREEK 532	Thucydides	
GREEK 551	Attic Orators	
GREEK 560	Hellenistic Greek	
Total Credits		**23**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CLASSICS and major courses
- 2.000 GPA in at least 15 credits of upper-level work in the major[1]
- 15 credits in CLASSICS, taken at UW–Madison

HONORS IN THE MAJOR

Students may declare Honors in the Classics Major in consultation with the Classics undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Classics, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in upper-level work in the major
- Complete the following coursework, with a grade of B or better:
  - CLASSICS 591 and
  - Senior Honors Thesis (CLASSICS 681 &CLASSICS 682) for a 6 credits

FOOTNOTES

[1] Courses at the Intermediate and Advanced levels are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize, identify, and explain forms, syntax, and vocabulary of the classical and biblical languages.
2. Demonstrate close reading skills that emphasize accuracy and nuance in translation.
3. Demonstrate critical reading skills which emphasize textual analysis, interpretation, and evaluation.
4. Demonstrate competency with texts and authors from the classical and near eastern tradition.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LATIN 103 or GREEK 103	4	LATIN 104 or GREEK 104	4
Communication Part A (complete during first year)	3	Quantitative Reasoning A (complete during first year)	3
Physical Science Breadth	3	Ethnic Studies	3
Social Science Breadth	4	Biological Science Breadth	3
	14		**13**

Second Year

Fall	Credits	Spring	Credits
LATIN 305 or GREEK 305	4	LATIN 306 or GREEK 306	4
GREEK 103 or LATIN 103	4	GREEK 104 or LATIN 104	4
Communication Part B	3	Quantitative Reasoning Part B	3
Social Science Breadth	4	Social Science Breadth	3
Science Breadth	3	Science Breadth	3
	18		**17**

Third Year

Fall	Credits	Spring	Credits
LATIN 401	3	LATIN 500-level course	3
or GREEK 500-level course		or GREEK 500-level course	
GREEK 305 or LATIN 305	3-4	GREEK 306 or LATIN 306	3-4
Social Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
500-level LATIN or GREEK course	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	1	Elective	3
	13		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Vergil* or *Homer* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers

- Getting involved with campus organizations
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- Talking about your challenges and difficulties
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SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

SCHOLARSHIPS AND PRIZES

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Gertrude E. Slaughter Summer Study Scholarship

A monetary award in memory of Gertrude E. Slaughter, author and widow of Professor Moses S. Slaughter 1896–1923, for undergraduate students to advance their studies at an accredited center such as the American School in Athens or the American Academy in Rome, to participate in study abroad, or to participate in an active archaeological field project. Awards will be in the amount of up to $800. This competition is open to majors only. The call usually goes out in November and closes in February.

Logan Prize for Greek Translation

A monetary award in memory of Fellow of Classics, John Watson Logan (PhD '23), for the translation of a passage of ancient Greek. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of ancient Greek and is normally publicized in classes and to department majors in early April.

Pillinger Prize for Latin Translation

A monetary award in memory of Assistant Professor Hugh Edward Pillinger (1965-1970) for the translation of a passage in Latin. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of Latin and is normally publicized in classes and to department majors in early April.

LATIN, BA

Admissions to the Latin BA/BS are suspended as of fall 2024 and will be discontinued as of fall 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

Please consult the Classical and Ancient Near Eastern Studies advisor (advising@canes.wisc.edu) (advising@canes.wisc.edu) with questions about the Latin major.

HOW TO GET IN

HOW TO GET IN

Admissions to the Latin BA/BS are suspended as of fall 2024 and will be discontinued as of fall 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

DECLARING THE MAJOR

For more information about the Latin major, contact advising@canes.wisc.edu

Students who declare the Latin major may not combine this major ("double major") with the Classical Humanities major starting Fall 2023.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Latin major requires 26 total credits from below:

Code	Title	Credits
Complete all of the following courses:		
LATIN 305	Third Semester Latin	4

LATIN 306	Fourth Semester Latin	4
LATIN 401	Readings in Latin Literature	3
Complete five courses from the following:		**15**
LATIN 505	Elementary Prose Composition	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
LATIN/ MEDIEVAL 563	Mediaeval Latin	
LATIN 681	Honors Thesis	
LATIN 682	Senior Honors Thesis	
LATIN 691	Senior Thesis	
LATIN 692	Senior Thesis	
Total Credits		**26**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LATIN and all major courses
- 2.000 GPA in 15 upper-level credits in Residence[1]
- 15 credits in LATIN, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the CANES undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 in all major courses at the Intermediate or Advanced level
- Complete CLASSICS 591
- Complete a two-semester Senior Honors Thesis in CLASSICS 681 and CLASSICS 682, for a total of 6 credits.

FOOTNOTES

[1] Courses at the Intermediate and Advanced levels are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize, identify, and explain forms, syntax, and vocabulary of the classical and biblical languages.
2. Demonstrate close reading skills that emphasize accuracy and nuance in translation.
3. Demonstrate critical reading skills which emphasize textual analysis, interpretation, and evaluation.
4. Demonstrate competency with texts and authors from the classical and near eastern tradition.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LATIN 103	4	LATIN 104	4
Communication Part A (complete during first year)	3	Quantitative Reasoning Part A (complete during first year)	3
Social Science Breadth	3	Ethnic Studies	3
Biological Science Breadth	3	Social Science Breadth	3
		Elective	2
	13		**15**

Second Year

Fall	Credits	Spring	Credits
LATIN 305	4	LATIN 306	4
Communication Part B	3	Quantitative Reasoning Part B	3
Social Science Breadth	3	Social Science Breadth	3

Physical Science Breadth	3 Science Breadth	3
Elective	3 Elective	3
	16	**16**

Third Year

Fall	**Credits**	**Spring**	**Credits**
LATIN 401	3	500-level LATIN course[2]	3
Science Breadth	3	500-level LATIN course[2]	3
Electives	9	Electives	9
	15		**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
500-level LATIN course[2]	3	500-level LATIN course[2]	3
500-level LATIN course[2]	3	Electives	12
Electives	9		
	15		**15**

Total Credits 120

1 Fulfills L&S Literature Breadth requirement.

2 Except for LATIN 505 Elementary Prose Composition, all LATIN 500-level courses fulfill L&S Literature Breadth requirement.

ADVISING AND CAREERS

ADVISING AND CAREERS

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Vergil* or *Ovid* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
- Finding volunteer and/or internship opportunities
- Talking about your challenges and difficulties
- Connecting with tutors
- Choosing a study abroad program
- Practicing for interviews
- Talking about graduate school
- Proofreading résumés a

CAREERS

Humanities majors enable students to consider just about any type of career or educational pursuit. Our coursework builds the critical thinking and communication skills needed to succeed in careers ranging from politics and education to business and law.

Think about what you learn in a classroom setting as well as what you do each day to be a successful student; the skills you develop are equally important in the workplace:

- critical reading, reflection, and analysis
- proper research design and methodology
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose
- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
- discussion and debate strategies
- broader knowledge of career and graduate-study options

One of the more significant skills CANES majors develop is language acquisition. Study of Greek, Latin, or Biblical Hebrew sets you apart and demonstrates your willingness to explore and expand your understanding of history and culture. In addition, the study of ancient languages shows discipline and perseverance. Overall, you will have a wide variety of skills and talents to start you on the path to a rewarding career! Visit our Alumni page (https://canes.wisc.edu/people/alumni/) and our Career and Skill Development page (https://canes.wisc.edu/undergraduate-studies/career-and-skill-development/) for more information.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

SCHOLARSHIPS AND PRIZES

In addition to routinely nominating or recommending exemplary undergraduate majors for national, regional, local, and university awards, CANES offers the following opportunities for financial support to our majors annually:

Ruth M. Kuhlman Undergraduate Scholarship

Established in 1998 with a bequest from Myron George Kuhlman in memory of his wife, Ruth Miller Kuhlman (BS in Education '32), this is a monetary award for undergraduates to benefit and advance their studies within the field of classics. The total amount of the award may be up to $2,500, and the award may not be granted every academic year depending on the quality of entries and availability of funds. This competition is open to majors only. The call usually goes out in November and closes in February.

Gertrude E. Slaughter Summer Study Scholarship

A monetary award in memory of Gertrude E. Slaughter, author and widow of Professor Moses S. Slaughter 1896–1923, for undergraduate students to advance their studies at an accredited center such as the American School in Athens or the American Academy in Rome, to participate in study abroad, or to participate in an active archaeological field project. Awards will be in the amount of up to $800. This competition is open to majors only. The call usually goes out in November and closes in February.

Logan Prize for Greek Translation

A monetary award in memory of Fellow of Classics, John Watson Logan (PhD '23), for the translation of a passage of ancient Greek. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of ancient Greek and is normally publicized in classes and to department majors in early April.

Pillinger Prize for Latin Translation

A monetary award in memory of Assistant Professor Hugh Edward Pillinger (1965-1970) for the translation of a passage in Latin. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of Latin and is normally publicized in classes and to department majors in early April.

LATIN, BS

Admissions to the Latin BA/BS are suspended as of fall 2024 and will be discontinued as of fall 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

Please consult the Classical and Ancient Near Eastern Studies advisor (advising@canes.wisc.edu) (advising@canes.wisc.edu) with questions about the Latin major.

HOW TO GET IN

HOW TO GET IN

Admissions to the Latin major (BA/BS) are suspended as of fall 2024 and will be discontinued as of fall 2028. If you have any questions, please contact the department (http://canes.wisc.edu/).

DECLARING THE MAJOR

For more information about the Latin major, contact advising@canes.wisc.edu

Students who declare the Latin major may not combine this major ("double major") with the Classical Humanities major starting Fall 2023.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.

L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Latin major requires 26 total credits from below:

Code	Title	Credits
Complete all of the following courses:		
LATIN 305	Third Semester Latin	4
LATIN 306	Fourth Semester Latin	4
LATIN 401	Readings in Latin Literature	3
Complete five courses from the following:		**15**
LATIN 505	Elementary Prose Composition	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
LATIN/MEDIEVAL 563	Mediaeval Latin	
LATIN 681	Honors Thesis	
LATIN 682	Senior Honors Thesis	
LATIN 691	Senior Thesis	
LATIN 692	Senior Thesis	
Total Credits		**26**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LATIN and all major courses
- 2.000 GPA in 15 upper-level credits in Residence[1]
- 15 credits in LATIN, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the CANES undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 in all major courses at the Intermediate or Advanced level
- Complete CLASSICS 591
- Complete a two-semester Senior Honors Thesis in CLASSICS 681 and CLASSICS 682, for a total of 6 credits.

FOOTNOTES

[1] Courses at the Intermediate and Advanced levels are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize, identify, and explain forms, syntax, and vocabulary of the classical and biblical languages.
2. Demonstrate close reading skills that emphasize accuracy and nuance in translation.
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4. Demonstrate competency with texts and authors from the classical and near eastern tradition.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LATIN 103	4	LATIN 104	4
Communication Part A (complete during first year)	3	Quantitative Reasoning Part A (complete during first year)	3
Social Science Breadth	3	Ethnic Studies	3
Biological Science Breadth	3	Social Science Breadth	3
		Elective	2
	13		**15**

Second Year

Fall	Credits	Spring	Credits
LATIN 305	4	LATIN 306	4
Communication Part B	3	Quantitative Reasoning Part B	3
Social Science Breadth	3	Social Science Breadth	3
Physical Science Breadth	3	Science Breadth	3
Elective	3	Elective	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
LATIN 401	3	500-level LATIN course[2]	3
Science Breadth	3	500-level LATIN course[2]	3
Electives	9	Electives	9
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
500-level LATIN course[2]	3	500-level LATIN course[2]	3
500-level LATIN course[2]	3	Electives	12
Electives	9		
	15		**15**

Total Credits 120

[1] Fulfills L&S Literature Breadth requirement.

[2] Except for LATIN 505 Elementary Prose Composition, all LATIN 500-level courses fulfill L&S Literature Breadth requirement.

ADVISING AND CAREERS

ADVISING AND CAREERS

If you like to plan, seeing your major advisor is very important; it can make the difference between fitting in *Vergil* or *Ovid* before you graduate. Many students also try to complete more than one major or certificate, and discussing how you might be able to reach this goal is another primary role of your major advisor. Advisors can speak to you about course content, which courses fit best with your interest areas, and what kinds of courses might work best with your learning style. Any and all of these discussions can occur during your advising appointment.

In addition to discussing the major, advisors know a lot about:

- General Education requirements
- Breadth requirements
- Interpreting university policies and deadlines
- Connecting majors to careers
- Getting involved with campus organizations
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- proper research design and methodology
- expanded world view and exposure to new ideas/ways of thinking
- effective teamwork to advance a common project/purpose
- effective time-management and self-motivation to complete projects independently
- demonstrated writing proficiency in short and long essay format
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SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

STUDY ABROAD

The department offers two options for summer study, UW–Classics in Greece and UW–Classics in Italy (https://canes.wisc.edu/undergraduate-studies/study-abroad/). Each three-week program is offered alternating summers and guided by a department faculty member.

SCHOLARSHIPS AND PRIZES

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Logan Prize for Greek Translation

A monetary award in memory of Fellow of Classics, John Watson Logan (PhD '23), for the translation of a passage of ancient Greek. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of ancient Greek and is normally publicized in classes and to department majors in early April.

Pillinger Prize for Latin Translation

A monetary award in memory of Assistant Professor Hugh Edward Pillinger (1965-1970) for the translation of a passage in Latin. The passage will be selected each year by the chair of the Prize Committee and awards may not be granted every academic year depending on the quality of entries. This competition is open to all undergraduate students who have completed at least one semester of Latin and is normally publicized in classes and to department majors in early April.

COMMUNICATION ARTS

The Communication Arts major offers a liberal arts approach to studying communication. The value of the liberal arts approach is that students not only learn specific skills, they also gain a deep understanding of communication theory, history, research, and criticism. Our students learn to apply communication principles in different contexts and with a variety of different media. As a result, the Communication Arts major prepares students for a wide range of jobs and careers, including those that don't exist yet.

Courses in Communication Arts deal with a diverse range of communication-related topics and approach them from a variety of theoretical, practical, and aesthetic perspectives. The curriculum is designed to foster an understanding of communication processes, improve communication and digital literacy skills, and develop the capacity for critical appraisal and reflection.

The Department of Communication Arts offers two concentrations in the major:

1. **Communication Science and Rhetorical Studies:** Students explore the social, psychological, and practical aspects of communication and human behavior with a focus on public, mass, online, organizational, group, and interpersonal communication.
2. **Radio–Television–Film:** Students explore the history, theory, criticism, cultural uses, and production practices of television, film, radio, and digital media.

DIGITAL CINEMA PRODUCTION CERTIFICATE

The Digital Cinema Production Certificate (p. 642) is tailored specifically for students interested in media creation, including film, television, documentary, and internet-based media.

DIGITAL STUDIES CERTIFICATE

The Digital Studies Certificate (p. 644) is designed to help students explore digital culture and build their skills in creating digital media. Students select courses from across several departments, including communication arts, to create their own individualized digital curriculum.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Communication Arts, BA (p. 621)
- Communication Arts, BS (p. 631)
- Digital Cinema Production, Certificate (p. 642)
- Digital Studies, Certificate (p. 644)

COMMUNICATION ARTS, BA

The Communication Arts major offers a liberal arts approach to studying communication. The value of the liberal arts approach is that students not only learn specific skills, they also gain a deep understanding of communication theory, history, research, and criticism. Our students learn to apply communication principles in different contexts and with a variety of different media. As a result, the Communication Arts major prepares students for a wide range of jobs and careers, including those that don't exist yet.

Courses in Communication Arts (https://guide.wisc.edu/courses/com_arts/) deal with a diverse range of communication-related topics and approach them from a variety of theoretical, practical, and aesthetic perspectives. The curriculum is designed to foster an understanding of communication processes, improve communication and digital literacy skills, and develop the capacity for critical appraisal and reflection.

The Communication Arts major has two named options:

- Communication Science and Rhetorical Studies (p. 624): explore the social, psychological, and practical aspects of communication and human behavior with a focus on public, mass, online, organizational, group, and interpersonal communication.
- Radio–Television–Film (p. 628): explore the history, theory, criticism, cultural uses, and production practices of television, film, radio, and digital media.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students may declare only one option in the major: Communication Science and Rhetorical Studies or Radio-Television-Film.

Non–Letters & Science students will need permission from their school or college to pursue an additional major in Communication Arts.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Communication Arts offers two options within the major:

- Communication Science and Rhetorical Studies
- Radio–Television–Film

Students declare one of the two options and complete a minimum of 10 courses and at least 30 credits in the major. Please note that COM ARTS courses numbered below 200 as well as COM ARTS 605, COM ARTS 614, and COM ARTS 615 do not count in the major.

STUDENTS MUST SELECT ONE OF THE FOLLOWING OPTIONS:

View as listView as grid

- **COMMUNICATION ARTS: COMMUNICATION SCIENCE AND RHETORICAL STUDIES (P. 624)**
- **COMMUNICATION ARTS: RADIO-TELEVISION-FILM (P. 628)**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all COM ARTS and major courses
- Minimum 2.000 GPA on at least 15 credits of upper-level work in the COM ARTS major, in residence. (Upper-level in the COM ARTS major includes courses at the Intermediate or Advanced level).
- 15 credits of COM ARTS major courses (200-699) taken on the UW-Madison campus.

HONORS IN THE MAJOR IN COMMUNICATION ARTS

Students may apply to pursue Honors in the Communication Arts major in consultation with a Communication Arts undergraduate advisor. To be accepted students must have:

- Completed the fundamentals course and the two core courses for their declared option and
- Earned a minimum 3.500 GPA in all COM ARTS courses

HONORS IN THE COMMUNICATION ARTS MAJOR REQUIREMENTS

To earn Honors in the Major in Communication Arts, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Minimum 3.300 University GPA
- Minimum 3.500 GPA for all COM ARTS major courses
- Complete the requirements for the declared major option, to include:
  - All theory, history, criticism courses taken to meet the regular major requirements within the declared option must be numbered 400 or higher.
  - One additional theory, history, criticism course numbered 400 or higher.
  - Three theory, history and criticism courses must be completed on campus.
  - A two-semester senior honors thesis in COM ARTS 681 and COM ARTS 682, for a total of 6 credits.[1]

FOOTNOTES

[1] Submission and approval of a Senior Honors Thesis Proposal is required prior to the term in which students enroll for COM ARTS 681 Senior Honors Thesis. See the Communication Arts undergraduate advisor for current process. Approval of the completed thesis by the thesis advisor and a second Communication Arts faculty member is required.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain core content in either of the two tracks: Communication Science and Rhetorical Studies or Radio-TV-Film.
2. Analyze communication from theoretical, historical, and critical perspectives.
3. Communicate effectively in writing, orally, or via the creation of media content.
4. Participate in communication practices that support diversity, equity, and inclusion for the historically marginalized.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Please see any of the Named Options for a four-year plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Communication Arts website (https://commarts.wisc.edu/undergraduate/declaring/).

Non–Letters & Science students will need permission from their school or college to pursue an additional major in Communication Arts.

COMMUNICATION ARTS ACADEMIC ADVISING

Communication Arts academic advisors (https://commarts.wisc.edu/undergraduate/advising/) assist students throughout their undergraduate studies.

COMMUNICATION ARTS COURSES

The Communication Arts Department offers a wide array of courses (https://guide.wisc.edu/courses/com_arts/). All the courses listed in the Guide are not offered each semester. Please see Course Search & Enroll (https://public.enroll.wisc.edu) for current course offerings.

CAREER EXPLORATION AND PREPARATION

Gain Experience

The Department of Communication Arts encourages students to apply the knowledge and skills they attain through coursework to professional settings. Internships and part-time jobs at television networks, nonprofit organizations, talent agencies, magazines, radio stations, advertising agencies, production companies, government agencies, and other communication-related businesses help students gain work-related experience and explore career options.

Communication Arts offers a one-credit, online academic course to accompany a student's internship experience: COM ARTS 614 Field Experience in Communication and COM ARTS 615 Second Field Experience in Communication .

Attend Events

Throughout the academic year, students have the opportunity to participate in several communication-focused, career-related events.

Communication Arts Alumni Careers at a Glance

After completing a Letters & Science bachelor’s degree with a Communication Arts major, alumni pursue a variety of careers. In a recent survey, Communication Arts alumni were asked to provide and categorize their occupation. The results are available on the Department of Communication Arts website:

- Communication Science & Rhetorical Studies Alumni Careers (https://commarts.wisc.edu/undergraduate/careers/)
- Radio–Television–Film Alumni Careers (https://commarts.wisc.edu/undergraduate/careers/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try “Jobs, Internships, & How to Get Them,” (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

UW–Madison offers many opportunities to get involved. Communication Arts students join organizations across their areas of interest.

Department-Affiliated Organizations

- Communication Arts Student Association (https://commarts.wisc.edu/casa/) (CASA)
- Hollywood Badgers (https://win.wisc.edu/organization/hollywoodbadgers/)

STUDYING ABROAD

Communications Arts student are encouraged to look at study abroad programs (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/communication-arts/) and opportunities across the globe. Our students have studied in cities such as London, Rome, Tel Aviv, Prague, Galway, Sydney, Madrid, Bologna, Cape Town, Paris, Copenhagen, and Buenos Aires. When planning for their semester abroad, students should think beyond courses required for their major. Students are encouraged to take courses from a variety of subjects to satisfy requirements and elective credits for their degree.

RESEARCH OPPORTUNITIES

Communication science research team members gain hands-on research experience. Undergraduate research assistants may learn to code and enter data, interview participants, gather and prepare research materials, run experiments, and perform other activities required to complete a research study. Reading and writing assignments related to the research activities are assigned throughout the semester. Opportunities to participate in a research team vary from semester to semester.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

Students apply for scholarships online through Wisconsin Scholarship Hub (https://wisc.academicworks.com/). The Department of Communication Arts offers the following scholarships:

- Scott M. Broetzmann Scholarship in Communication Arts
- Christopher Neal Heinlein Memorial Scholarships
- S. Nelson and Carmella M. Nelson Scholarship
- Charline M. Wackman Awards for Summer Session
- Charline M. Wackman Awards (Fall Term)
- Keith Harris Wyche Memorial Scholarship

SUMMER INTERNSHIP FUND

The Communication Arts Department and Alumni Summer Internship Fund helps Communication Arts majors participate in internships with businesses or non-profit organizations.

See the scholarship (https://commarts.wisc.edu/undergraduate/scholarships/) and internship fund (https://commarts.wisc.edu/undergraduate/internship-fund/) sections of the department website for additional details and opportunities.

COMMUNICATION ARTS: COMMUNICATION SCIENCE AND RHETORICAL STUDIES

REQUIREMENTS

REQUIREMENTS FOR COMMUNICATION SCIENCE AND RHETORICAL STUDIES

A minimum of 10 courses and at least 30 credits are required for the major.[1]

FUNDAMENTALS

Code	Title	Credits
COM ARTS 260	Communication and Human Behavior	3

CORE-PART ONE

Code	Title	Credits
Complete one:		3
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	
COM ARTS 370	Great Speakers and Speeches	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	

CORE-PART TWO

Code	Title	Credits
Complete one:		3
COM ARTS 361	Introduction to Quantitative Research in Communication	
COM ARTS 368	Persuasion and Social Influence	

APPLIED COMMUNICATION

Code	Title	Credits
Complete one:		3
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 27	Theory and Practice of Interpersonal Communication	

THEORY-HISTORY-CRITICISM

Code	Title	Credits
Complete three:		9
COM ARTS 308	Topics in Rhetoric, Politics, and Culture	

COM ARTS 309	Topics in Communication and Social Dynamics
COM ARTS 310	Topics in Rhetoric and Communication Science
COM ARTS/ GEN&WS 316	Gender and Communication
COM ARTS 317	Rhetoric and Health
COM ARTS 318	Introduction to Health Communication
COM ARTS 325	Media and Human Behavior
COM ARTS 335	Social Media as Literature
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)
COM ARTS 344	Social Media & Well-Being
COM ARTS 345	Online Communication and Personal Relationships
COM ARTS 360	Introduction to Rhetoric in Politics and Culture
COM ARTS 361	Introduction to Quantitative Research in Communication
COM ARTS 368	Persuasion and Social Influence
COM ARTS 369	Rhetoric of the U.S. Presidential Election
COM ARTS 370	Great Speakers and Speeches
COM ARTS 371	Communication and Conflict Resolution
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)
COM ARTS 379	Global Technology & Digital Culture
COM ARTS 402	The Psychology of Communication
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 476	Nature of Criticism-The Public Arts of Communication
COM ARTS 478	Rhetoric and Power on the Internet
COM ARTS 509	Digital Media and Political Communication
COM ARTS 518	Communication and Health Inequalities
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media
COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COM ARTS 575	Communication in Complex Organizations
COM ARTS 577	Dynamics of Online Relationships
COM ARTS 610	Special Topics in Rhetoric and Public Address
COM ARTS 612	Special Topics in Communication Science
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age

RADIO-TV-FILM

Code	Title	Credits
Complete one:		3
COM ARTS 250	Survey of Contemporary Media	
COM ARTS 300	Film Comedy	
COM ARTS 313	Topics in Film and Media Studies	
COM ARTS 323	The Business and Culture of Disney	
COM ARTS 330	Music Industries and Popular Culture	
COM ARTS 346	Critical Internet Studies	
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	
COM ARTS 350	Introduction to Film	
COM ARTS 351	Television Industries	
COM ARTS 354	Film Genres	
COM ARTS 355	Introduction to Media Production	
COM ARTS 357	History of the Animated Film	
COM ARTS 358	History of Documentary Film	
COM ARTS 359	Sports Media	
COM ARTS 375	Ethics of Entertainment Media	
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media	
COM ARTS/ CHICLA 419	Latino/as and Media	
COM ARTS/ ASIAN AM 420	Asian Americans and Media	
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond	
COM ARTS 448	Media and National Identity	
COM ARTS 449	Sound Cultures: Podcasting and Music	
COM ARTS 450	Cultural History of Broadcasting	
COM ARTS 451	Television Criticism	
COM ARTS 454	Critical Film Analysis	
COM ARTS 455	French Film	
COM ARTS 458	Global Media Cultures	
COM ARTS 459	New Media and Society	
COM ARTS/ ITALIAN 460	Italian Film	
COM ARTS 461	Global Art Cinema	
COM ARTS 462	American Independent Cinema	
COM ARTS 463	Avant-Garde Film	
COM ARTS 465	Editing and Post-production for Video and Film	
COM ARTS 466	Writing for Television and Film	

COM ARTS 467	Cinematography and Sound Recording
COM ARTS 468	Producing for Internet TV and Video
COM ARTS 540	Television Genres
COM ARTS 545	Media Audience Cultures
COM ARTS 547	Digital Game Cultures
COM ARTS 552	Contemporary Hollywood Cinema
COM ARTS 556	The American Film Industry in the Era of the Studio System
COM ARTS 608	Special Topics in Media and Cultural Studies
COM ARTS 609	Special Topics in Production
COM ARTS 613	Special Topics in Film
COM ARTS 651	Advanced Video Production and Direction
COM ARTS 659	Advanced Motion Picture Production Workshop
COM ARTS 669	Film Theory

ELECTIVES: [2]

Code	Title	Credits
Complete two additional COM ARTS courses numbered 200-699:		6
COM ARTS 200	Introduction to Digital Communication	
COM ARTS 213	Introductory Topic in Communication Arts: Study Abroad	
COM ARTS 250	Survey of Contemporary Media	
COM ARTS 260	Communication and Human Behavior	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 27	Theory and Practice of Interpersonal Communication	
COM ARTS 298	Directed Study	
COM ARTS 299	Directed Study	
COM ARTS 300	Film Comedy	
COM ARTS 308	Topics in Rhetoric, Politics, and Culture	
COM ARTS 309	Topics in Communication and Social Dynamics	
COM ARTS 310	Topics in Rhetoric and Communication Science	
COM ARTS/ JOURN/ RP & SE 312	Disability and the Media	
COM ARTS 313	Topics in Film and Media Studies	
COM ARTS/ GEN&WS 316	Gender and Communication	
COM ARTS 317	Rhetoric and Health	
COM ARTS 318	Introduction to Health Communication	
COM ARTS 323	The Business and Culture of Disney	
COM ARTS 325	Media and Human Behavior	
COM ARTS 330	Music Industries and Popular Culture	
COM ARTS 335	Social Media as Literature	
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	
COM ARTS 344	Social Media & Well-Being	
COM ARTS 345	Online Communication and Personal Relationships	
COM ARTS 346	Critical Internet Studies	
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	
COM ARTS 350	Introduction to Film	
COM ARTS 351	Television Industries	
COM ARTS 354	Film Genres	
COM ARTS 355	Introduction to Media Production	
COM ARTS 357	History of the Animated Film	
COM ARTS 358	History of Documentary Film	
COM ARTS 359	Sports Media	
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	
COM ARTS 361	Introduction to Quantitative Research in Communication	
COM ARTS 368	Persuasion and Social Influence	
COM ARTS 369	Rhetoric of the U.S. Presidential Election	
COM ARTS 370	Great Speakers and Speeches	
COM ARTS 371	Communication and Conflict Resolution	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	
COM ARTS 373	Intercultural Communication & Rhetoric	
COM ARTS/ RELIG ST 374	The Rhetoric of Religion	
COM ARTS 375	Ethics of Entertainment Media	
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)	
COM ARTS 379	Global Technology & Digital Culture	
COM ARTS 402	The Psychology of Communication	
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media	
COM ARTS/ CHICLA 419	Latino/as and Media	
COM ARTS/ ASIAN AM 420	Asian Americans and Media	
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond	
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond	
COM ARTS 448	Media and National Identity	
COM ARTS 449	Sound Cultures: Podcasting and Music	

COM ARTS 450	Cultural History of Broadcasting
COM ARTS 451	Television Criticism
COM ARTS 454	Critical Film Analysis
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS 459	New Media and Society
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 462	American Independent Cinema
COM ARTS 463	Avant-Garde Film
COM ARTS 465	Editing and Post-production for Video and Film
COM ARTS 466	Writing for Television and Film
COM ARTS 467	Cinematography and Sound Recording
COM ARTS 468	Producing for Internet TV and Video
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 476	Nature of Criticism-The Public Arts of Communication
COM ARTS 478	Rhetoric and Power on the Internet
COM ARTS 509	Digital Media and Political Communication
COM ARTS 513	Topics in Communication Arts: Study Abroad
COM ARTS 518	Communication and Health Inequalities
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media
COM ARTS 540	Television Genres
COM ARTS 545	Media Audience Cultures
COM ARTS 547	Digital Game Cultures
COM ARTS 552	Contemporary Hollywood Cinema
COM ARTS 556	The American Film Industry in the Era of the Studio System
COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COM ARTS 575	Communication in Complex Organizations
COM ARTS 577	Dynamics of Online Relationships
COM ARTS 608	Special Topics in Media and Cultural Studies
COM ARTS 609	Special Topics in Production
COM ARTS 610	Special Topics in Rhetoric and Public Address
COM ARTS 612	Special Topics in Communication Science
COM ARTS 613	Special Topics in Film
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age
COM ARTS 651	Advanced Video Production and Direction
COM ARTS 659	Advanced Motion Picture Production Workshop
COM ARTS 669	Film Theory
COM ARTS 691	Senior Thesis
COM ARTS 692	Senior Thesis
COM ARTS 698	Directed Study
COM ARTS 699	Directed Study

FOOTNOTES

[1] A course can be applied to only one requirement within the major.
[2] Excluding COM ARTS 605, COM ARTS 614 and COM ARTS 615.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
COM ARTS 100 (meets Communication A)	3	COM ARTS 260 (meets Humanities or Social Science Breadth)	3
Quantitative Reasoning A	4	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Elective	3	Biological Science Breadth	3
COUN PSY 125 (optional)	1	Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
COM ARTS 272 (meets Communication B, Social Science Breadth, and COM ARTS applied)	3	COM ARTS Core Part One (meets Humanities Breadth)	3
COM ARTS 361 (meets Quantitative Reasoning B, Social Science Breadth, and COM ARTS Core Part Two)	3	Science Breadth (Biological Science, if BS)	3

Physical Science Breadth	3	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3
Literature Breadth	3	Elective	3
Elective	3	Elective	3
Declare the major		INTER-LS 210 (optional)	1
	15		**16**

Third Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism (meets Social Science Breadth)	3	COM ARTS Radio-TV-Film	3
COM ARTS Theory-History-Criticism (meets Humanities Breadth)	3	Literature Breadth	3
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective	3
Science Breadth (Physical Science, if BS)	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism	3	COM ARTS Elective	3
COM ARTS Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	1
	15		**13**

Total Credits 120

COMMUNICATION ARTS: RADIO-TELEVISION-FILM

REQUIREMENTS

REQUIREMENTS FOR RADIO–TELEVISION–FILM

A minimum of 10 courses and at 30 credits are required for this major.[1]

FUNDAMENTALS

Code	Title	Credits
COM ARTS 250	Survey of Contemporary Media	3

RADIO-TV-FILM CORE

Code	Title	Credits
Complete two:		6
COM ARTS 350	Introduction to Film	3
COM ARTS 351	Television Industries	3

PRODUCTION

Code	Title	Credits
Complete one:		3
COM ARTS 355	Introduction to Media Production	
COM ARTS 465	Editing and Post-production for Video and Film	
COM ARTS 466	Writing for Television and Film	
COM ARTS 467	Cinematography and Sound Recording	
COM ARTS 659	Advanced Motion Picture Production Workshop	

THEORY-HISTORY-CRITICISM

Code	Title	Credits
Complete three:		9
COM ARTS 300	Film Comedy	
COM ARTS 313	Topics in Film and Media Studies	
COM ARTS 323	The Business and Culture of Disney	
COM ARTS 330	Music Industries and Popular Culture	
COM ARTS 346	Critical Internet Studies	
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	
COM ARTS 354	Film Genres	
COM ARTS 357	History of the Animated Film	
COM ARTS 358	History of Documentary Film	
COM ARTS 359	Sports Media	
COM ARTS 375	Ethics of Entertainment Media	
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media	
COM ARTS/ CHICLA 419	Latino/as and Media	
COM ARTS/ ASIAN AM 420	Asian Americans and Media	
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond	
COM ARTS 448	Media and National Identity	
COM ARTS 449	Sound Cultures: Podcasting and Music	
COM ARTS 450	Cultural History of Broadcasting	
COM ARTS 451	Television Criticism	
COM ARTS 454	Critical Film Analysis	
COM ARTS 455	French Film	
COM ARTS 458	Global Media Cultures	
COM ARTS 459	New Media and Society	
COM ARTS/ ITALIAN 460	Italian Film	
COM ARTS 461	Global Art Cinema	
COM ARTS 462	American Independent Cinema	
COM ARTS 463	Avant-Garde Film	
COM ARTS 540	Television Genres	
COM ARTS 545	Media Audience Cultures	
COM ARTS 547	Digital Game Cultures	
COM ARTS 552	Contemporary Hollywood Cinema	

COM ARTS 556	The American Film Industry in the Era of the Studio System
COM ARTS 608	Special Topics in Media and Cultural Studies
COM ARTS 613	Special Topics in Film
COM ARTS 669	Film Theory

COMMUNICATION SCIENCE AND RHETORICAL STUDIES

Code	Title	Credits
Complete one:		3
COM ARTS 260	Communication and Human Behavior	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 273	Theory and Practice of Interpersonal Communication	
COM ARTS 308	Topics in Rhetoric, Politics, and Culture	
COM ARTS 309	Topics in Communication and Social Dynamics	
COM ARTS 310	Topics in Rhetoric and Communication Science	
COM ARTS/ GEN&WS 316	Gender and Communication	
COM ARTS 317	Rhetoric and Health	
COM ARTS 318	Introduction to Health Communication	
COM ARTS 325	Media and Human Behavior	
COM ARTS 335	Social Media as Literature	
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	
COM ARTS 344	Social Media & Well-Being	
COM ARTS 345	Online Communication and Personal Relationships	
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	
COM ARTS 361	Introduction to Quantitative Research in Communication	
COM ARTS 368	Persuasion and Social Influence	
COM ARTS 369	Rhetoric of the U.S. Presidential Election	
COM ARTS 370	Great Speakers and Speeches	
COM ARTS 371	Communication and Conflict Resolution	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	
COM ARTS 373	Intercultural Communication & Rhetoric	
COM ARTS/ RELIG ST 374	The Rhetoric of Religion	
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)	
COM ARTS 379	Global Technology & Digital Culture	
COM ARTS 402	The Psychology of Communication	
COM ARTS 470	Contemporary Political Discourse	
COM ARTS 474	Rhetoric of the Cold War	
COM ARTS 476	Nature of Criticism-The Public Arts of Communication	
COM ARTS 478	Rhetoric and Power on the Internet	
COM ARTS 509	Digital Media and Political Communication	
COM ARTS 518	Communication and Health Inequalities	
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media	
COM ARTS 565	Communication and Interethnic Behavior	
COM ARTS 570	Classical Rhetorical Theory	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
COM ARTS 575	Communication in Complex Organizations	
COM ARTS 577	Dynamics of Online Relationships	
COM ARTS 610	Special Topics in Rhetoric and Public Address	
COM ARTS 612	Special Topics in Communication Science	
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth	
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age	

ELECTIVES [2]

Code	Title	Credits
Complete two additional COM ARTS courses numbered 200-699:		6
COM ARTS 200	Introduction to Digital Communication	
COM ARTS 213	Introductory Topic in Communication Arts: Study Abroad	
COM ARTS 250	Survey of Contemporary Media	
COM ARTS 260	Communication and Human Behavior	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 273	Theory and Practice of Interpersonal Communication	
COM ARTS 298	Directed Study	
COM ARTS 299	Directed Study	
COM ARTS 300	Film Comedy	

COM ARTS 308	Topics in Rhetoric, Politics, and Culture
COM ARTS 309	Topics in Communication and Social Dynamics
COM ARTS 310	Topics in Rhetoric and Communication Science
COM ARTS/ JOURN/ RP & SE 312	Disability and the Media
COM ARTS 313	Topics in Film and Media Studies
COM ARTS/ GEN&WS 316	Gender and Communication
COM ARTS 317	Rhetoric and Health
COM ARTS 318	Introduction to Health Communication
COM ARTS 323	The Business and Culture of Disney
COM ARTS 325	Media and Human Behavior
COM ARTS 330	Music Industries and Popular Culture
COM ARTS 335	Social Media as Literature
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)
COM ARTS 344	Social Media & Well-Being
COM ARTS 345	Online Communication and Personal Relationships
COM ARTS 346	Critical Internet Studies
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media
COM ARTS 350	Introduction to Film
COM ARTS 351	Television Industries
COM ARTS 354	Film Genres
COM ARTS 355	Introduction to Media Production
COM ARTS 357	History of the Animated Film
COM ARTS 358	History of Documentary Film
COM ARTS 359	Sports Media
COM ARTS 360	Introduction to Rhetoric in Politics and Culture
COM ARTS 361	Introduction to Quantitative Research in Communication
COM ARTS 368	Persuasion and Social Influence
COM ARTS 369	Rhetoric of the U.S. Presidential Election
COM ARTS 370	Great Speakers and Speeches
COM ARTS 371	Communication and Conflict Resolution
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 375	Ethics of Entertainment Media
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)
COM ARTS 379	Global Technology & Digital Culture
COM ARTS 402	The Psychology of Communication
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media
COM ARTS/ CHICLA 419	Latino/as and Media
COM ARTS/ ASIAN AM 420	Asian Americans and Media
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 448	Media and National Identity
COM ARTS 449	Sound Cultures: Podcasting and Music
COM ARTS 450	Cultural History of Broadcasting
COM ARTS 451	Television Criticism
COM ARTS 454	Critical Film Analysis
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS 459	New Media and Society
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 462	American Independent Cinema
COM ARTS 463	Avant-Garde Film
COM ARTS 465	Editing and Post-production for Video and Film
COM ARTS 466	Writing for Television and Film
COM ARTS 467	Cinematography and Sound Recording
COM ARTS 468	Producing for Internet TV and Video
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 476	Nature of Criticism-The Public Arts of Communication
COM ARTS 478	Rhetoric and Power on the Internet
COM ARTS 509	Digital Media and Political Communication
COM ARTS 513	Topics in Communication Arts: Study Abroad
COM ARTS 518	Communication and Health Inequalities
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media
COM ARTS 540	Television Genres
COM ARTS 545	Media Audience Cultures
COM ARTS 547	Digital Game Cultures
COM ARTS 552	Contemporary Hollywood Cinema
COM ARTS 556	The American Film Industry in the Era of the Studio System
COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory

COM ARTS 573	Rhetoric of Globalization and Transnationalism
COM ARTS 575	Communication in Complex Organizations
COM ARTS 577	Dynamics of Online Relationships
COM ARTS 608	Special Topics in Media and Cultural Studies
COM ARTS 609	Special Topics in Production
COM ARTS 610	Special Topics in Rhetoric and Public Address
COM ARTS 612	Special Topics in Communication Science
COM ARTS 613	Special Topics in Film
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age
COM ARTS 651	Advanced Video Production and Direction
COM ARTS 659	Advanced Motion Picture Production Workshop
COM ARTS 669	Film Theory
COM ARTS 691	Senior Thesis
COM ARTS 692	Senior Thesis
COM ARTS 698	Directed Study
COM ARTS 699	Directed Study

FOOTNOTES

[1] A course can be applied to only one requirement within the major.
[2] Excluding COM ARTS 605, COM ARTS 614 and COM ARTS 615.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
COM ARTS 100 (meets Communication A)	3	COM ARTS 250 (meets Humanities Breadth)	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Quantitative Reasoning A	4	Ethnic Studies	3
Elective	3	Biological Science Breadth	3
COUN PSY 125 (optional)	1	Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
COM ARTS 272 (meets Communication B, Social Science Breadth, and COM ARTS Communication Science and Rhetorical Studies)	3	COM ARTS 351	3
COM ARTS 350 (meets Humanities Breadth)	3	COM ARTS 355	4
Physical Science Breadth	3	Literature Breadth	3
Quantitative Reasoning B	3	Science Breadth (Biological Science, if BS)	3
Elective	3	INTER-LS 210 (optional)	1
Declare the major			
	15		**14**

Third Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism	3	COM ARTS Elective	3
COM ARTS Theory-History-Criticism	3	Social Science Breadth	3
Social Science Breadth	3	Literature Breadth	3
Science Breadth (Physical Science, if BS)	3	Elective	3
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism	3	COM ARTS Elective	3
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective	3
Social Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

COMMUNICATION ARTS, BS

The Communication Arts major offers a liberal arts approach to studying communication. The value of the liberal arts approach is that students not only learn specific skills, they also gain a deep understanding of communication theory, history, research, and criticism. Our students learn to apply communication principles in different contexts and with a variety of different media. As a result, the Communication Arts major prepares

students for a wide range of jobs and careers, including those that don't exist yet.

Courses in Communication Arts (https://guide.wisc.edu/courses/com_arts/) deal with a diverse range of communication-related topics and approach them from a variety of theoretical, practical, and aesthetic perspectives. The curriculum is designed to foster an understanding of communication processes, improve communication and digital literacy skills, and develop the capacity for critical appraisal and reflection.

The Communication Arts major has two named options:

- Communication Science and Rhetorical Studies (p. 624): explore the social, psychological, and practical aspects of communication and human behavior with a focus on public, mass, online, organizational, group, and interpersonal communication.
- Radio–Television–Film (p. 628): explore the history, theory, criticism, cultural uses, and production practices of television, film, radio, and digital media.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students may declare only one option in the major: Communication Science and Rhetorical Studies or Radio-Television-Film.

Non–Letters & Science students will need permission from their school or college to pursue an additional major in Communication Arts.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Communication Arts offers two options within the major:

- Communication Science and Rhetorical Studies
- Radio–Television–Film

Students declare one of the two options and complete a minimum of 10 courses and at least 30 credits in the major. Please note that COM ARTS courses numbered below 200 as well as COM ARTS 605, COM ARTS 614, and COM ARTS 615 do not count in the major.

STUDENTS MUST SELECT ONE OF THE FOLLOWING OPTIONS:

View as listView as grid

- **COMMUNICATION ARTS: COMMUNICATION SCIENCE AND RHETORICAL STUDIES (P. 624)**
- **COMMUNICATION ARTS: RADIO-TELEVISION-FILM (P. 628)**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all COM ARTS and major courses
- Minimum 2.000 GPA on at least 15 credits of upper-level work in the COM ARTS major, in residence. (Upper-level in the COM ARTS major includes courses at the Intermediate or Advanced level).
- 15 credits of COM ARTS major courses (200-699) taken on the UW-Madison campus.

HONORS IN THE MAJOR IN COMMUNICATION ARTS

Students may apply to pursue Honors in the Communication Arts major in consultation with a Communication Arts undergraduate advisor. To be accepted students must have:

- Completed the fundamentals course and the two core courses for their declared option and
- Earned a minimum 3.500 GPA in all COM ARTS courses

HONORS IN THE COMMUNICATION ARTS MAJOR REQUIREMENTS

To earn Honors in the Major in Communication Arts, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Minimum 3.300 University GPA
- Minimum 3.500 GPA for all COM ARTS major courses
- Complete the requirements for the declared major option, to include:
  - All theory, history, criticism courses taken to meet the regular major requirements within the declared option must be numbered 400 or higher.
  - One additional theory, history, criticism course numbered 400 or higher.
  - Three theory, history and criticism courses must be completed on campus.
  - A two-semester senior honors thesis in COM ARTS 681 and COM ARTS 682, for a total of 6 credits.[1]

FOOTNOTES

[1] Submission and approval of a Senior Honors Thesis Proposal is required prior to the term in which students enroll for COM ARTS 681 Senior Honors Thesis. See the Communication Arts undergraduate advisor for current process. Approval of the completed thesis by the thesis advisor and a second Communication Arts faculty member is required.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain core content in either of the two tracks: Communication Science and Rhetorical Studies or Radio-TV-Film.
2. Analyze communication from theoretical, historical, and critical perspectives.
3. Communicate effectively in writing, orally, or via the creation of media content.
4. Participate in communication practices that support diversity, equity, and inclusion for the historically marginalized.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Please see any of the Named Options for a four-year plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Communication Arts website (https://commarts.wisc.edu/undergraduate/declaring/).

Non–Letters & Science students will need permission from their school or college to pursue an additional major in Communication Arts.

COMMUNICATION ARTS ACADEMIC ADVISING

Communication Arts academic advisors (https://commarts.wisc.edu/undergraduate/advising/) assist students throughout their undergraduate studies.

COMMUNICATION ARTS COURSES

The Communication Arts Department offers a wide array of courses (https://guide.wisc.edu/courses/com_arts/). All the courses listed in the Guide are not offered each semester. Please see Course Search & Enroll (https://public.enroll.wisc.edu) for current course offerings.

CAREER EXPLORATION AND PREPARATION

Gain Experience

The Department of Communication Arts encourages students to apply the knowledge and skills they attain through coursework to professional settings. Internships and part-time jobs at television networks, nonprofit organizations, talent agencies, magazines, radio stations, advertising agencies, production companies, government agencies, and other communication-related businesses help students gain work-related experience and explore career options.

Communication Arts offers a one-credit, online academic course to accompany a student's internship experience: COM ARTS 614 Field Experience in Communication and COM ARTS 615 Second Field Experience in Communication .

Attend Events

Throughout the academic year, students have the opportunity to participate in several communication-focused, career-related events.

Communication Arts Alumni Careers at a Glance

After completing a Letters & Science bachelor's degree with a Communication Arts major, alumni pursue a variety of careers. In a recent survey, Communication Arts alumni were asked to provide and categorize their occupation. The results are available on the Department of Communication Arts website:

- Communication Science & Rhetorical Studies Alumni Careers (https://commarts.wisc.edu/undergraduate/careers/)
- Radio–Television–Film Alumni Careers (https://commarts.wisc.edu/undergraduate/careers/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDENT ORGANIZATIONS

UW–Madison offers many opportunities to get involved. Communication Arts students join organizations across their areas of interest.

Department-Affiliated Organizations

- Communication Arts Student Association (https://commarts.wisc.edu/casa/) (CASA)
- Hollywood Badgers (https://win.wisc.edu/organization/hollywoodbadgers/)

STUDYING ABROAD

Communications Arts student are encouraged to look at study abroad programs (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/communication-arts/) and opportunities across the globe. Our students have studied in cities such as London, Rome, Tel Aviv, Prague, Galway, Sydney, Madrid, Bologna, Cape Town, Paris, Copenhagen, and Buenos Aires. When planning for their semester abroad, students should think beyond courses required for their major. Students are encouraged to take courses from a variety of subjects to satisfy requirements and elective credits for their degree.

RESEARCH OPPORTUNITIES

Communication science research team members gain hands-on research experience. Undergraduate research assistants may learn to code and enter data, interview participants, gather and prepare research materials, run experiments, and perform other activities required to complete a research study. Reading and writing assignments related to the research activities are assigned throughout the semester. Opportunities to participate in a research team vary from semester to semester.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

Students apply for scholarships online through Wisconsin Scholarship Hub (https://wisc.academicworks.com/). The Department of Communication Arts offers the following scholarships:

- Scott M. Broetzmann Scholarship in Communication Arts
- Christopher Neal Heinlein Memorial Scholarships
- S. Nelson and Carmella M. Nelson Scholarship
- Charline M. Wackman Awards for Summer Session
- Charline M. Wackman Awards (Fall Term)
- Keith Harris Wyche Memorial Scholarship

SUMMER INTERNSHIP FUND

The Communication Arts Department and Alumni Summer Internship Fund helps Communication Arts majors participate in internships with businesses or non-profit organizations.

See the scholarship (https://commarts.wisc.edu/undergraduate/scholarships/) and internship fund (https://commarts.wisc.edu/undergraduate/internship-fund/) sections of the department website for additional details and opportunities.

COMMUNICATION ARTS: COMMUNICATION SCIENCE AND RHETORICAL STUDIES

REQUIREMENTS

REQUIREMENTS FOR COMMUNICATION SCIENCE AND RHETORICAL STUDIES

A minimum of 10 courses and at least 30 credits are required for the major.[1]

FUNDAMENTALS

Code	Title	Credits
COM ARTS 260	Communication and Human Behavior	3

CORE-PART ONE

Code	Title	Credits
Complete one:		3
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	
COM ARTS 370	Great Speakers and Speeches	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	

CORE-PART TWO

Code	Title	Credits
Complete one:		3
COM ARTS 361	Introduction to Quantitative Research in Communication	
COM ARTS 368	Persuasion and Social Influence	

APPLIED COMMUNICATION

Code	Title	Credits
Complete one:		3
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 27	Theory and Practice of Interpersonal Communication	

THEORY-HISTORY-CRITICISM

Code	Title	Credits
Complete three:		9
COM ARTS 308	Topics in Rhetoric, Politics, and Culture	
COM ARTS 309	Topics in Communication and Social Dynamics	
COM ARTS 310	Topics in Rhetoric and Communication Science	
COM ARTS/ GEN&WS 316	Gender and Communication	
COM ARTS 317	Rhetoric and Health	
COM ARTS 318	Introduction to Health Communication	
COM ARTS 325	Media and Human Behavior	
COM ARTS 335	Social Media as Literature	
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	
COM ARTS 344	Social Media & Well-Being	
COM ARTS 345	Online Communication and Personal Relationships	
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	
COM ARTS 361	Introduction to Quantitative Research in Communication	
COM ARTS 368	Persuasion and Social Influence	
COM ARTS 369	Rhetoric of the U.S. Presidential Election	
COM ARTS 370	Great Speakers and Speeches	
COM ARTS 371	Communication and Conflict Resolution	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	
COM ARTS 373	Intercultural Communication & Rhetoric	
COM ARTS/ RELIG ST 374	The Rhetoric of Religion	
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)	
COM ARTS 379	Global Technology & Digital Culture	
COM ARTS 402	The Psychology of Communication	
COM ARTS 470	Contemporary Political Discourse	
COM ARTS 474	Rhetoric of the Cold War	

COM ARTS 476	Nature of Criticism-The Public Arts of Communication
COM ARTS 478	Rhetoric and Power on the Internet
COM ARTS 509	Digital Media and Political Communication
COM ARTS 518	Communication and Health Inequalities
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media
COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COM ARTS 575	Communication in Complex Organizations
COM ARTS 577	Dynamics of Online Relationships
COM ARTS 610	Special Topics in Rhetoric and Public Address
COM ARTS 612	Special Topics in Communication Science
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age

RADIO-TV-FILM

Code	Title	Credits
Complete one:		3
COM ARTS 250	Survey of Contemporary Media	
COM ARTS 300	Film Comedy	
COM ARTS 313	Topics in Film and Media Studies	
COM ARTS 323	The Business and Culture of Disney	
COM ARTS 330	Music Industries and Popular Culture	
COM ARTS 346	Critical Internet Studies	
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	
COM ARTS 350	Introduction to Film	
COM ARTS 351	Television Industries	
COM ARTS 354	Film Genres	
COM ARTS 355	Introduction to Media Production	
COM ARTS 357	History of the Animated Film	
COM ARTS 358	History of Documentary Film	
COM ARTS 359	Sports Media	
COM ARTS 375	Ethics of Entertainment Media	
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media	
COM ARTS/ CHICLA 419	Latino/as and Media	
COM ARTS/ ASIAN AM 420	Asian Americans and Media	
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond	
COM ARTS 448	Media and National Identity	
COM ARTS 449	Sound Cultures: Podcasting and Music	
COM ARTS 450	Cultural History of Broadcasting	
COM ARTS 451	Television Criticism	
COM ARTS 454	Critical Film Analysis	
COM ARTS 455	French Film	
COM ARTS 458	Global Media Cultures	
COM ARTS 459	New Media and Society	
COM ARTS/ ITALIAN 460	Italian Film	
COM ARTS 461	Global Art Cinema	
COM ARTS 462	American Independent Cinema	
COM ARTS 463	Avant-Garde Film	
COM ARTS 465	Editing and Post-production for Video and Film	
COM ARTS 466	Writing for Television and Film	
COM ARTS 467	Cinematography and Sound Recording	
COM ARTS 468	Producing for Internet TV and Video	
COM ARTS 540	Television Genres	
COM ARTS 545	Media Audience Cultures	
COM ARTS 547	Digital Game Cultures	
COM ARTS 552	Contemporary Hollywood Cinema	
COM ARTS 556	The American Film Industry in the Era of the Studio System	
COM ARTS 608	Special Topics in Media and Cultural Studies	
COM ARTS 609	Special Topics in Production	
COM ARTS 613	Special Topics in Film	
COM ARTS 651	Advanced Video Production and Direction	
COM ARTS 659	Advanced Motion Picture Production Workshop	
COM ARTS 669	Film Theory	

ELECTIVES: [2]

Code	Title	Credits
Complete two additional COM ARTS courses numbered 200-699:		6
COM ARTS 200	Introduction to Digital Communication	
COM ARTS 213	Introductory Topic in Communication Arts: Study Abroad	
COM ARTS 250	Survey of Contemporary Media	
COM ARTS 260	Communication and Human Behavior	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 27	Theory and Practice of Interpersonal Communication	
COM ARTS 298	Directed Study	
COM ARTS 299	Directed Study	

COM ARTS 300	Film Comedy
COM ARTS 308	Topics in Rhetoric, Politics, and Culture
COM ARTS 309	Topics in Communication and Social Dynamics
COM ARTS 310	Topics in Rhetoric and Communication Science
COM ARTS/ JOURN/ RP & SE 312	Disability and the Media
COM ARTS 313	Topics in Film and Media Studies
COM ARTS/ GEN&WS 316	Gender and Communication
COM ARTS 317	Rhetoric and Health
COM ARTS 318	Introduction to Health Communication
COM ARTS 323	The Business and Culture of Disney
COM ARTS 325	Media and Human Behavior
COM ARTS 330	Music Industries and Popular Culture
COM ARTS 335	Social Media as Literature
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)
COM ARTS 344	Social Media & Well-Being
COM ARTS 345	Online Communication and Personal Relationships
COM ARTS 346	Critical Internet Studies
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media
COM ARTS 350	Introduction to Film
COM ARTS 351	Television Industries
COM ARTS 354	Film Genres
COM ARTS 355	Introduction to Media Production
COM ARTS 357	History of the Animated Film
COM ARTS 358	History of Documentary Film
COM ARTS 359	Sports Media
COM ARTS 360	Introduction to Rhetoric in Politics and Culture
COM ARTS 361	Introduction to Quantitative Research in Communication
COM ARTS 368	Persuasion and Social Influence
COM ARTS 369	Rhetoric of the U.S. Presidential Election
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COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory

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COM ARTS 613	Special Topics in Film
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COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age
COM ARTS 651	Advanced Video Production and Direction
COM ARTS 659	Advanced Motion Picture Production Workshop
COM ARTS 669	Film Theory
COM ARTS 691	Senior Thesis
COM ARTS 692	Senior Thesis
COM ARTS 698	Directed Study
COM ARTS 699	Directed Study

FOOTNOTES

[1] A course can be applied to only one requirement within the major.
[2] Excluding COM ARTS 605, COM ARTS 614 and COM ARTS 615.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
COM ARTS 100 (meets Communication A)	3	COM ARTS 260 (meets Humanities or Social Science Breadth)	3
Quantitative Reasoning A	4	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Elective	3	Biological Science Breadth	3
COUN PSY 125 (optional)	1	Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
COM ARTS 272 (meets Communication B, Social Science Breadth, and COM ARTS applied)	3	COM ARTS Core Part One (meets Humanities Breadth)	3
COM ARTS 361 (meets Quantitative Reasoning B, Social Science Breadth, and COM ARTS Core Part Two)	3	Science Breadth (Biological Science, if BS)	3
Physical Science Breadth	3	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3
Literature Breadth	3	Elective	3
Elective	3	Elective	3
Declare the major		INTER-LS 210 (optional)	1
	15		**16**

Third Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism (meets Social Science Breadth)	3	COM ARTS Radio-TV-Film	3
COM ARTS Theory-History-Criticism (meets Humanities Breadth)	3	Literature Breadth	3
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective	3
Science Breadth (Physical Science, if BS)	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism	3	COM ARTS Elective	3
COM ARTS Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	1
	15		**13**

Total Credits 120

COMMUNICATION ARTS: RADIO-TELEVISION-FILM

REQUIREMENTS

REQUIREMENTS FOR RADIO–TELEVISION–FILM

A minimum of 10 courses and at 30 credits are required for this major.[1]

FUNDAMENTALS

Code	Title	Credits
COM ARTS 250	Survey of Contemporary Media	3

RADIO-TV-FILM CORE

Code	Title	Credits
Complete two:		6
COM ARTS 350	Introduction to Film	3
COM ARTS 351	Television Industries	3

PRODUCTION

Code	Title	Credits
Complete one:		3
COM ARTS 355	Introduction to Media Production	
COM ARTS 465	Editing and Post-production for Video and Film	
COM ARTS 466	Writing for Television and Film	
COM ARTS 467	Cinematography and Sound Recording	
COM ARTS 659	Advanced Motion Picture Production Workshop	

THEORY-HISTORY-CRITICISM

Code	Title	Credits
Complete three:		9
COM ARTS 300	Film Comedy	
COM ARTS 313	Topics in Film and Media Studies	
COM ARTS 323	The Business and Culture of Disney	
COM ARTS 330	Music Industries and Popular Culture	
COM ARTS 346	Critical Internet Studies	
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	
COM ARTS 354	Film Genres	
COM ARTS 357	History of the Animated Film	
COM ARTS 358	History of Documentary Film	
COM ARTS 359	Sports Media	
COM ARTS 375	Ethics of Entertainment Media	
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media	
COM ARTS/ CHICLA 419	Latino/as and Media	
COM ARTS/ ASIAN AM 420	Asian Americans and Media	
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond	
COM ARTS 448	Media and National Identity	
COM ARTS 449	Sound Cultures: Podcasting and Music	
COM ARTS 450	Cultural History of Broadcasting	
COM ARTS 451	Television Criticism	
COM ARTS 454	Critical Film Analysis	
COM ARTS 455	French Film	
COM ARTS 458	Global Media Cultures	
COM ARTS 459	New Media and Society	
COM ARTS/ ITALIAN 460	Italian Film	
COM ARTS 461	Global Art Cinema	
COM ARTS 462	American Independent Cinema	
COM ARTS 463	Avant-Garde Film	
COM ARTS 540	Television Genres	
COM ARTS 545	Media Audience Cultures	
COM ARTS 547	Digital Game Cultures	
COM ARTS 552	Contemporary Hollywood Cinema	
COM ARTS 556	The American Film Industry in the Era of the Studio System	
COM ARTS 608	Special Topics in Media and Cultural Studies	
COM ARTS 613	Special Topics in Film	
COM ARTS 669	Film Theory	

COMMUNICATION SCIENCE AND RHETORICAL STUDIES

Code	Title	Credits
Complete one:		3
COM ARTS 260	Communication and Human Behavior	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 273	Theory and Practice of Interpersonal Communication	
COM ARTS 308	Topics in Rhetoric, Politics, and Culture	
COM ARTS 309	Topics in Communication and Social Dynamics	
COM ARTS 310	Topics in Rhetoric and Communication Science	
COM ARTS/ GEN&WS 316	Gender and Communication	
COM ARTS 317	Rhetoric and Health	
COM ARTS 318	Introduction to Health Communication	
COM ARTS 325	Media and Human Behavior	
COM ARTS 335	Social Media as Literature	
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	

COM ARTS 344	Social Media & Well-Being
COM ARTS 345	Online Communication and Personal Relationships
COM ARTS 360	Introduction to Rhetoric in Politics and Culture
COM ARTS 361	Introduction to Quantitative Research in Communication
COM ARTS 368	Persuasion and Social Influence
COM ARTS 369	Rhetoric of the U.S. Presidential Election
COM ARTS 370	Great Speakers and Speeches
COM ARTS 371	Communication and Conflict Resolution
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)
COM ARTS 379	Global Technology & Digital Culture
COM ARTS 402	The Psychology of Communication
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 476	Nature of Criticism-The Public Arts of Communication
COM ARTS 478	Rhetoric and Power on the Internet
COM ARTS 509	Digital Media and Political Communication
COM ARTS 518	Communication and Health Inequalities
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media
COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COM ARTS 575	Communication in Complex Organizations
COM ARTS 577	Dynamics of Online Relationships
COM ARTS 610	Special Topics in Rhetoric and Public Address
COM ARTS 612	Special Topics in Communication Science
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age

ELECTIVES [2]

Code	Title	Credits
Complete two additional COM ARTS courses numbered 200-699:		6
COM ARTS 200	Introduction to Digital Communication	
COM ARTS 213	Introductory Topic in Communication Arts: Study Abroad	
COM ARTS 250	Survey of Contemporary Media	
COM ARTS 260	Communication and Human Behavior	
COM ARTS 262	Argumentation and Debate	
COM ARTS 266	Theory and Practice of Group Discussion	
COM ARTS 272	Introduction to Interpersonal Communication	
or COM ARTS 27	Theory and Practice of Interpersonal Communication	
COM ARTS 298	Directed Study	
COM ARTS 299	Directed Study	
COM ARTS 300	Film Comedy	
COM ARTS 308	Topics in Rhetoric, Politics, and Culture	
COM ARTS 309	Topics in Communication and Social Dynamics	
COM ARTS 310	Topics in Rhetoric and Communication Science	
COM ARTS/ JOURN/ RP & SE 312	Disability and the Media	
COM ARTS 313	Topics in Film and Media Studies	
COM ARTS/ GEN&WS 316	Gender and Communication	
COM ARTS 317	Rhetoric and Health	
COM ARTS 318	Introduction to Health Communication	
COM ARTS 323	The Business and Culture of Disney	
COM ARTS 325	Media and Human Behavior	
COM ARTS 330	Music Industries and Popular Culture	
COM ARTS 335	Social Media as Literature	
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	
COM ARTS 344	Social Media & Well-Being	
COM ARTS 345	Online Communication and Personal Relationships	
COM ARTS 346	Critical Internet Studies	
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	
COM ARTS 350	Introduction to Film	
COM ARTS 351	Television Industries	
COM ARTS 354	Film Genres	
COM ARTS 355	Introduction to Media Production	
COM ARTS 357	History of the Animated Film	
COM ARTS 358	History of Documentary Film	
COM ARTS 359	Sports Media	

COM ARTS 360	Introduction to Rhetoric in Politics and Culture
COM ARTS 361	Introduction to Quantitative Research in Communication
COM ARTS 368	Persuasion and Social Influence
COM ARTS 369	Rhetoric of the U.S. Presidential Election
COM ARTS 370	Great Speakers and Speeches
COM ARTS 371	Communication and Conflict Resolution
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 375	Ethics of Entertainment Media
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)
COM ARTS 379	Global Technology & Digital Culture
COM ARTS 402	The Psychology of Communication
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media
COM ARTS/ CHICLA 419	Latino/as and Media
COM ARTS/ ASIAN AM 420	Asian Americans and Media
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 448	Media and National Identity
COM ARTS 449	Sound Cultures: Podcasting and Music
COM ARTS 450	Cultural History of Broadcasting
COM ARTS 451	Television Criticism
COM ARTS 454	Critical Film Analysis
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS 459	New Media and Society
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 462	American Independent Cinema
COM ARTS 463	Avant-Garde Film
COM ARTS 465	Editing and Post-production for Video and Film
COM ARTS 466	Writing for Television and Film
COM ARTS 467	Cinematography and Sound Recording
COM ARTS 468	Producing for Internet TV and Video
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 476	Nature of Criticism-The Public Arts of Communication
COM ARTS 478	Rhetoric and Power on the Internet
COM ARTS 509	Digital Media and Political Communication
COM ARTS 513	Topics in Communication Arts: Study Abroad
COM ARTS 518	Communication and Health Inequalities
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media
COM ARTS 540	Television Genres
COM ARTS 545	Media Audience Cultures
COM ARTS 547	Digital Game Cultures
COM ARTS 552	Contemporary Hollywood Cinema
COM ARTS 556	The American Film Industry in the Era of the Studio System
COM ARTS 565	Communication and Interethnic Behavior
COM ARTS 570	Classical Rhetorical Theory
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COM ARTS 575	Communication in Complex Organizations
COM ARTS 577	Dynamics of Online Relationships
COM ARTS 608	Special Topics in Media and Cultural Studies
COM ARTS 609	Special Topics in Production
COM ARTS 610	Special Topics in Rhetoric and Public Address
COM ARTS 612	Special Topics in Communication Science
COM ARTS 613	Special Topics in Film
COM ARTS/ HDFS/ JOURN 616	Mass Media and Youth
COM ARTS/ JOURN/LSC 617	Health Communication in the Information Age
COM ARTS 651	Advanced Video Production and Direction
COM ARTS 659	Advanced Motion Picture Production Workshop
COM ARTS 669	Film Theory
COM ARTS 691	Senior Thesis
COM ARTS 692	Senior Thesis
COM ARTS 698	Directed Study
COM ARTS 699	Directed Study

FOOTNOTES

[1] A course can be applied to only one requirement within the major.
[2] Excluding COM ARTS 605, COM ARTS 614 and COM ARTS 615.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
COM ARTS 100 (meets Communication A)	3	COM ARTS 250 (meets Humanities Breadth)	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Quantitative Reasoning A	4	Ethnic Studies	3
Elective	3	Biological Science Breadth	3
COUN PSY 125 (optional)	1	Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
COM ARTS 272 (meets Communication B, Social Science Breadth, and COM ARTS Communication Science and Rhetorical Studies)	3	COM ARTS 351	3
COM ARTS 350 (meets Humanities Breadth)	3	COM ARTS 355	4
Physical Science Breadth	3	Literature Breadth	3
Quantitative Reasoning B	3	Science Breadth (Biological Science, if BS)	3
Elective	3	INTER-LS 210 (optional)	1
Declare the major			
	15		**14**

Third Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism	3	COM ARTS Elective	3
COM ARTS Theory-History-Criticism	3	Social Science Breadth	3
Social Science Breadth	3	Literature Breadth	3
Science Breadth (Physical Science, if BS)	3	Elective	3
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
COM ARTS Theory-History-Criticism	3	COM ARTS Elective	3
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective	3
Social Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

DIGITAL CINEMA PRODUCTION, CERTIFICATE

Explore the fundamentals of storytelling through the Digital Cinema Production certificate. Certificate students complete coursework in screenwriting, producing, directing, cinematography and sound, editing, and related fields. They master the aesthetic and technical tools of moving-image storytelling, learn creative decision making, employ collaborative work skills, and apply industry standards. The Digital Cinema Production certificate is relevant to undergraduates across campus who are considering careers in film, television, documentary, and internet-based media.

HOW TO GET IN

HOW TO GET IN

CERTIFICATE DECLARATION REQUIREMENTS

To be eligible to declare the certificate, students must

1. complete COM ARTS 355 with a grade of B or higher;
2. earn a grade of B or higher in their first attempt of one of the following courses:

Code	Title	Credits
COM ARTS 465	Editing and Post-production for Video and Film	4
COM ARTS 466	Writing for Television and Film	3
COM ARTS 467	Cinematography and Sound Recording	4
COM ARTS 468	Producing for Internet TV and Video	3
COM ARTS 609	Special Topics in Production	3
COM ARTS 651	Advanced Video Production and Direction	3

Eligible students should contact a Communication Arts advisor to declare the certificate.

REQUIREMENTS

REQUIREMENTS

Four courses and at least 13 credits are required.

Code	Title	Credits
COM ARTS 355	Introduction to Media Production	4
Electives (complete three):		**9**
COM ARTS 465	Editing and Post-production for Video and Film	
COM ARTS 466	Writing for Television and Film	
COM ARTS 467	Cinematography and Sound Recording	
COM ARTS 468	Producing for Internet TV and Video	
COM ARTS 609	Special Topics in Production	
COM ARTS 651	Advanced Video Production and Direction	
COM ARTS 659	Advanced Motion Picture Production Workshop	
Total Credits		**13**

RESIDENCE & QUALITY OF WORK

- Minimum 2.000 GPA in all certificate courses.
- At least 7 certificate credits must be completed in residence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate mastery of the aesthetic and technical tools of moving-image story telling.
2. Analyze story structure and illustrate how their creative decisions support their interpretation of story.
3. Employ collaborative work skills to perform in the role of leaders or members of production crews/groups.
4. Analyze the meaning, form, and process of cinematic work with the goal of providing honest, critical, and instructive feedback.
5. Reproduce and apply industry standard methods for media pre-production, production and post-production, and explain the rationale for these methods.

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

The Department of Communication Arts academic advisors (https://commarts.wisc.edu/undergraduate/advising/) serve as the advisors for the Digital Cinema Production certificate. Contact an advisor to learn more about the certificate, discuss eligibility, declare, or review certificate requirements.

CAREER ADVISING

The communications, media, and the arts career community advisor (https://successworks.wisc.edu/what-are-career-communities/communications-media-and-the-arts/) assists students with career preparation, such as exploring career options, strategies for the internship/job search, and networking opportunities.

DIGITAL CINEMA PRODUCTION COURSES

The selection of courses varies by semester. Please check Course Search and Enroll (https://public.enroll.wisc.edu) for current offerings.

CAREER EXPLORATION AND PREPARATION

Gain Experience

The Department of Communication Arts encourages students to apply the knowledge and skills they attain through coursework to professional settings. Internships and part-time jobs at television networks, production companies, nonprofit organizations, talent agencies, advertising agencies, and other media-related businesses help students gain work-related experience and explore career options. Emails and postings provide certificate students with information on opportunities across the country.

Attend Events

Throughout the academic year, students have the opportunity to participate in several communication-focused, career-related events.

Join a Student Organization

Learn more about the entertainment industry and career opportunities by joining the Hollywood Badgers (https://win.wisc.edu/organization/hollywoodbadgers/), a Communication Arts affiliated student organization.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

COMMUNICATION ARTS INSTRUCTIONAL MEDIA CENTER

The Instructional Media Center (https://commarts.wisc.edu/imc/) (IMC), in 3160 Vilas Hall, provides state-of-the art equipment for Communication Arts media-production courses. The IMC circulates industry-standard camera, lighting, grip, and sound equipment for use on set. The Hamel Family Digital Media Lab's 70 editing stations and the department's two sound stages are also managed by the Instructional Media Center staff.

DIGITAL STUDIES, CERTIFICATE

The Digital Studies Certificate helps students learn about digital culture and develop their skills in producing digital media content. Each student that completes the Digital Studies Certificate will be able to better recognize what digital communication tools can do and how to use them.

Digital cultures are about relationships between people and the digital tools they use. To better understand those relationships, Digital Studies students think about two big questions:

- What impact do digital technologies have on our lives?
- How can we use digital tools to make our world a better place?

Digital Studies students approach these questions from four different perspectives:

- Digital Practice - learning how to use digital tools to produce better digital content
- Digital Media - learning how to assess digital media to better understand digital cultures
- Digital Information - learning how we use and produce digital archives, databases, and other digital information tools
- Digital Forms - learning how design impacts the ways we interpret and produce digital content

Students who earn the Digital Studies Certificate will be recognized as someone who can more quickly and more effectively use digital tools in any environment.

HOW TO GET IN

HOW TO GET IN

DECLARING THE DIGITAL STUDIES CERTIFICATE

Students are eligible to declare the certificate at any point in their undergraduate career. They should declare it as early as possible to plan the required coursework. Students are encouraged to meet with the Digital Studies advisor (https://digitalstudies.wisc.edu/undergraduate-certificate/advising/) to discuss certificate requirements and ensure it fits with their academic and career goals. Students who are ready to declare the certificate now may complete this form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_8kLFLI3ADELQOln/).

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of six courses and 16 credits. The courses must be distributed as follows:

CORE COURSES

Choose one course from this list:

Code	Title	Credits
COM ARTS 200	Introduction to Digital Communication	3
JOURN 175	Media Fluency for the Digital Age	3
L I S 201	The Information Society	4

DISTRIBUTION

Choose one course from each area (a unique course must be taken to satisfy each area):

Digital Practice (P) Courses

Code	Title	Credits
ART 107	Introduction to Digital Forms	3
ART 309	Digital Art and Code	4
ART 409	Digital Fabrication Studio	4
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
COM ARTS 155	Introduction to Digital Media Production	4
COM ARTS 355	Introduction to Media Production	4
COM ARTS 449	Sound Cultures: Podcasting and Music	3
COM ARTS 465	Editing and Post-production for Video and Film	4
COM ARTS 468	Producing for Internet TV and Video	3
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media	3
COMP SCI/L I S 102	Introduction to Computing	3
COMP SCI 200	Programming I	3
COMP SCI 220	Data Science Programming I	4
GEOG 370	Introduction to Cartography	4
JOURN 411	Multimedia Design	4
JOURN 425	Video Journalism	4
JOURN 445	Creative Campaign Messages	4
JOURN 449	Account Planning and Strategy	4
JOURN 463	Digital Media Strategies	4
JOURN 464	Public Relations Strategies	4
JOURN 465	Social Media Marketing Communications	4
L I S 341	Topics in Information Studies - Technological Aspects	1-3
L I S 351	Introduction to Digital Information	3

L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	3
L I S 500	Code and Power	3
LSC 314	Introduction to Digital Video Production	3
LSC 332	Digital and Print Media Design	3
LSC 360	Science Podcasting & Radio	3
LSC 432	Social Media for the Sciences	3
LSC 450	Documentary Photography for the Sciences	3
LSC 532	Web Design for the Sciences	3

Digital Media (M) Courses

Code	Title	Credits
COM ARTS 330	Music Industries and Popular Culture	3
COM ARTS 335	Social Media as Literature	3
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	3
COM ARTS 344	Social Media & Well-Being	3
COM ARTS 345	Online Communication and Personal Relationships	3
COM ARTS 346	Critical Internet Studies	3
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)	3
COM ARTS 379	Global Technology & Digital Culture	3
COM ARTS 449	Sound Cultures: Podcasting and Music	3
COM ARTS 459	New Media and Society	3
COM ARTS 547	Digital Game Cultures	3
COM ARTS 577	Dynamics of Online Relationships	3
ENGL 178	Digital Media, Literature, and Culture	3
JOURN 463	Digital Media Strategies	4
JOURN 464	Public Relations Strategies	4
JOURN 465	Social Media Marketing Communications	4
JOURN 622	The Impact of Emerging Media	3
L I S 340	Topics in Information Studies - Social Aspects	3
L I S 510	Human Factors in Information Security	3
L I S/NURSING 517	Digital Health: Information and Technologies Supporting Consumers and Patients	3
LSC 350	Visualizing Science and Technology	3
LSC 432	Social Media for the Sciences	3
LSC 440	Digital Media and Science Communication	3
LSC 460	Social Media Analytics	3
MARKETNG 355	Marketing in a Digital Age	3

Digital Information (I) Courses

Code	Title	Credits
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	3
COM ARTS 344	Social Media & Well-Being	3
COM ARTS 345	Online Communication and Personal Relationships	3
COM ARTS 377	Topics in Digital Studies (Communication Science & Rhetoric)	3
COM ARTS 379	Global Technology & Digital Culture	3
COM ARTS/JOURN/ LSC 617	Health Communication in the Information Age	3
GEOG 572	Graphic Design in Cartography	3-4
JOURN/L I S 677	Concepts and Tools for Data Analysis and Visualization	3
L I S 202	Informational Divides and Differences in a Multicultural Society	3
L I S 301	Information Literacies in Online Spaces	3
L I S 340	Topics in Information Studies - Social Aspects	3
L I S 341	Topics in Information Studies - Technological Aspects	1-3
L I S 351	Introduction to Digital Information	3
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	3
L I S 500	Code and Power	3
L I S 510	Human Factors in Information Security	3
L I S/NURSING 517	Digital Health: Information and Technologies Supporting Consumers and Patients	3
LSC 460	Social Media Analytics	3

Digital Forms (F) Courses

Code	Title	Credits
ART 107	Introduction to Digital Forms	3
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
COM ARTS 155	Introduction to Digital Media Production	4
COM ARTS 335	Social Media as Literature	3
COM ARTS 355	Introduction to Media Production	4
COM ARTS 465	Editing and Post-production for Video and Film	4
COM ARTS 468	Producing for Internet TV and Video	3
COM ARTS/ FOLKLORE 522	Digital Storytelling for Social Media	3
GEOG 370	Introduction to Cartography	4
GEOG 572	Graphic Design in Cartography	3-4
JOURN 411	Multimedia Design	4
JOURN/L I S 677	Concepts and Tools for Data Analysis and Visualization	3

LSC 332	Digital and Print Media Design	3
LSC 350	Visualizing Science and Technology	3
LSC 450	Documentary Photography for the Sciences	3
LSC 532	Web Design for the Sciences	3

CAPSTONE

The Capstone cannot be completed until students are in their senior year and have completed or are enrolled in their final course of the certificate.

Code	Title	Credits
COM ARTS 605	Digital Studies Capstone	1

RESIDENCE AND QUALITY OF WORK

- At least 9 Certificate credits in Residence
- Minimum 2.000 GPA in all Certificate courses

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. To understand key theories and concepts related to digital studies and the historical context surrounding the creation of digital technologies.
2. To gain familiarity with methods, concepts and tools needed to research and evaluate information related to digital studies.
3. To think critically about how digital technologies work and their impact on society.
4. To be able to create strategic communication content and self-expression using digital tools.
5. To understand the professional and ethical principles related to the field of digital studies.

ADVISING AND CAREERS

ADVISING AND CAREERS

Connecting and working with the digital studies advisor as early as possible helps you create a meaningful course plan and stay on track as you complete the certificate requirements. The advisor is available to consult on a variety of topics including:

- declaring the certificate;
- course selection;
- studying abroad;
- job and internship opportunities related to digital media; and
- preparing for the job market after graduation.

Make an appointment to talk with the Digital Studies advisor through Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/11236/schedule).

COURSE PLANNING

The list of Digital Studies courses found on the Requirements tab (https://guide.wisc.edu/undergraduate/letters-science/communication-arts/digital-studies-certificate/#requirementstext) is the comprehensive list of all courses that count toward the certificate. To find out which courses are offered during a specific term, please refer to the program's Courses (https://digitalstudies.wisc.edu/undergraduate-certificate/requirements-courses/#tailor-your-courses) webpage. More specific information related to the course offerings is also available there, including specific course prerequisites, limited enrollment course information, and application requirements.

CAREER EXPLORATION AND ADVISING

Digital Studies Alumni

Since 2012, over 1,000 students have graduated with a Digital Studies Certificate. Digital Studies alumni pursue a variety of careers after completing their undergraduate degree. To learn more about what our alumni are up to, visit the Alumni Profiles page (https://digitalstudies.wisc.edu/alumni/) to read about the work they are doing and how Digital Studies has impacted their paths.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Students who pursue the Digital Studies Certificate have access to unique and exciting courses where they not only study digital culture but learn to be savvy users and producers of digital media that they can use in their professional lives. Examples of work that students produce include websites, videos, illustrations, posters, podcasts, and more. See examples of student work on our website (https://digitalstudies.wisc.edu/student-showcase/).

Digital Studies Certificate students also have access to networking and alumni events featuring careers in digital media, internship and job

opportunities emailed directly to them, technology resources through the Instructional Media Center (https://commarts.wisc.edu/imc/), design consulting services through DesignLab (https://designlab.wisc.edu/), and opportunities to connect with fellow students through the Digital Media Student Organization (https://win.wisc.edu/organization/digitalmediaorg/). Through advising, students receive tailored recommendations based on their interests and are encouraged to seek out ways to apply the knowledge they are learning in the classroom through involvement in student organizations, volunteering, and internships.

COMMUNICATION SCIENCES AND DISORDERS

The major in communication sciences and disorders provides students with opportunities for study in the areas of speech–language pathology, audiology, and the normal aspects of speech, hearing, and language. Most students pursue this major because they hope to practice as licensed and/or certified clinicians in educational and medical–allied-health settings, assisting clients with communicative impairments arising from disease, trauma, predisposition, maladaptive learning, or unknown causes. Professional clinical practice follows completion of a master's degree in speech–language pathology (https://guide.wisc.edu/graduate/communication-sciences-disorders/communication-sciences-disorders-ms/), or a doctor of audiology degree (https://guide.wisc.edu/graduate/communication-sciences-disorders/audiology-consortial-program-uw-stevens-point-aud/), and involves evaluation and treatment based upon a firm theoretical understanding of normal processes of hearing, and of speech and language formulation, production, and perception. Some students pursue the undergraduate major as a foundation for a research career in speech, language or hearing sciences. Others pursue the major as a preliminary step toward advanced training in other professional fields (e.g., law, medicine, nursing, special education).

The department is accredited in speech–language pathology and in audiology by the Council on Academic Accreditation of the American Speech–Language–Hearing Association (ASHA). Therefore, academic courses and clinical practice in the Department of Communication Sciences and Disorders may be applied toward clinical certification by ASHA (speech language pathology or audiology), and toward state licensure.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Communication Sciences and Disorders, BA (p. 647)
- Communication Sciences and Disorders, BS (p. 651)

COMMUNICATION SCIENCES AND DISORDERS, BA

The Communication Sciences and Disorders major provides students with opportunities for study in the areas of speech–language pathology, audiology, and the normal aspects of speech, hearing, and language. Most students pursue this major because they hope to work as a licensed and certified clinical speech-language pathologist or audiologist, assisting clients with communication impairments arising from acquired neurological conditions, developmental conditions, genetic conditions, or unknown causes. Professional clinical practice follows completion of a master's degree in speech–language pathology (https://guide.wisc.edu/graduate/communication-sciences-disorders/communication-sciences-disorders-ms/), or a doctor of audiology degree (https://guide.wisc.edu/graduate/communication-sciences-disorders/audiology-consortial-program-uw-stevens-point-aud/). Some students pursue the undergraduate major as a foundation for a research career in speech, language or hearing sciences. Others pursue the major as a preliminary step toward advanced training in other professional fields (e.g., medicine, nursing, special education), or as a liberal arts degree that could lead to a variety of different career paths (speech–language pathology assistant, educational assistant, line therapist).

The department is accredited in speech–language pathology and in audiology by the Council on Academic Accreditation of the American Speech–Language–Hearing Association (ASHA). Therefore, academic courses and clinical practica in the Department of Communication Sciences and Disorders may be applied toward clinical certification by ASHA (speech language pathology or audiology), and toward state licensure.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students are urged to consult with an undergraduate academic advisor as soon as they have decided to major in this field. Course sequencing in the major is not flexible. Certain courses are prerequisites to others.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

CS&D COURSES

11 courses and 33 credits from:

Code	Title	Credits
CS&D 120	Cultural and Linguistic Diversity in Communication Sciences and Disorders	3
CS&D 201	Anatomy and Physiology of Speech Production	3
CS&D 202	Hearing Science	3
CS&D 210	Neural Basis of Communication	3
CS&D 240	Language Development in Children and Adolescents	3
CS&D 303	Speech Acoustics and Perception	3
CS&D 315	Phonetics and Phonological Development	3
CS&D 318	Voice, Craniofacial, and Fluency Disorders	3
CS&D 320	Introduction to Audiology	3
CS&D 425	Auditory Rehabilitation	3
CS&D 440	Child Language Disorders, Assessment and Intervention	3
Total Credits		**33**

COURSES IN RELATED AREAS

15 credits and one course from each of the following areas:

Psychology

Code	Title	Credits
PSYCH 202	Introduction to Psychology	3-4
HDFS 262	Development of the Young Child	3
HDFS 263	Development from Adolescence to Old Age	3

Statistics

Code	Title	Credits
STAT 301	Introduction to Statistical Methods	3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
PSYCH 210	Basic Statistics for Psychology	3
SOC/C&E SOC 360	Statistics for Sociologists I	4

Linguistics

Code	Title	Credits
LINGUIS 101	Human Language	3
LINGUIS/ANTHRO/ FOLKLORE/ INTL ST 211	Global Language Issues	3
LINGUIS 303	Historical Linguistics	3
LINGUIS 237	Language in Wisconsin	3
LINGUIS/ AMER IND 371	Survey of North American Indian Languages	3
LINGUIS/ ANTHRO 430	Language and Culture	3-4
ENGL 214	The English Language	3
ENGL 314	Structure of English	3
ENGL 318	Second Language Acquisition	3
SPANISH 321	The Structure of Modern Spanish	3
SPANISH 331	Spanish Applied Linguistics	3
SPANISH 327	Introduction to Spanish Linguistics	3

Biological Sciences in the Major

Code	Title	Credits
ANTHRO 105	Principles of Biological Anthropology	3
ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
BIOCHEM 104	Molecules to Life and the Nature of Science [1]	3
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
ZOOLOGY/ BIOLOGY 101	Animal Biology	3

Physical Sciences in the Major

Code	Title	Credits
BIOCHEM 104	Molecules to Life and the Nature of Science [1]	3
CHEM 103	General Chemistry I	4
CHEM 108	Chemistry in Our World	5
CHEM 109	Advanced General Chemistry	5
PHYSICS 103	General Physics	4
PHYSICS 107	The Ideas of Modern Physics	3
PHYSICS 109	Physics in the Arts	3

ELECTIVES

Code	Title	Credits
CS&D 110	Introduction to Communicative Disorders	3
CS&D 371	Pre-Clinical Observation of Children and Adults	3
CS&D 424	Sign Language I	2

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CS&D and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[2]
- 15 credits in CS&D, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Communication Sciences and Disorders Major in consultation with the undergraduate advisor in that department.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Communications Sciences and Disorders, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all CS&D and major courses
- Complete the following courses for Honors earning a grade of B or better in each:

Code	Title	Credits
CS&D 481	Undergraduate Junior Honors	3
CS&D 681 & CS&D 682	Senior Honors Thesis and Senior Honors Thesis	6
2 of the following for Honors:		6
CS&D 303	Speech Acoustics and Perception	
CS&D 320	Introduction to Audiology	
CS&D 440	Child Language Disorders, Assessment and Intervention	
Total Credits		**15**

FOOTNOTES

1 BIOCHEM 104 can meet either the "Biological Science in the Major" or the "Physical Science in the Major" requirement, but not both. Please note that this course will *not* meet students' L&S Physical Science breath *degree requirement.*

2 These courses are considered upper level in the major: CS&D 303, CS&D 315, CS&D 318, CS&D 320, CS&D 371, CS&D 424, CS&D 425, CS&D 440, CS&D 699

UNIVERSITY DEGREE REQUIREMENTS

Total Degree — To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire a foundational understanding of basic anatomy and physiology of speech, language, and hearing.
2. Understand integrative neuroscience foundations of speech, language, and hearing.
3. Obtain basic knowledge in statistical sciences, linguistics, biological/physical sciences, social sciences, and humanities as related to Communication Sciences & Disorders.
4. Develop an understanding of speech, language, and hearing disorders and the relationship to foundational aspects of speech, language and hearing science.
5. Be prepared for graduate school and/or a career in Communication Sciences & Disorders and related areas.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Please refer to the Requirements tab in Guide for additional College of Letters and Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies content area course	3
CS&D 110	3	CS&D 120	3
Quantitative Reasoning A	4	Foreign Language	4
Foreign Language	4	Psych content area course	3
Physical Science Content Area Course	3	Biological Science content area course	3
	17		**16**

Second Year

Fall	Credits	Spring	Credits
CS&D 240	3	Statistics content area course	3
INTER-LS 210	1	Communication B	4
Quantitative Reasoning B	4	Literature Breadth	3
Literature Breadth	3	Electives	3
Electives	3	CS&D 202	3
CS&D 201	3		
	17		**16**

Third Year

Fall	Credits	Spring	Credits
CS&D 303	3	CS&D 425	3
CS&D 320	3	CS&D 440	3
Linguistics content area course	3	Social Science Breadth	3
Humanities Breadth	3	Electives	3
		CS&D 210	3
	12		**15**

Fourth Year

Fall	Credits	Spring	Credits
CS&D 315	3	CS&D 371	3
Electives	9	CS&D 318	3
		Electives	9
	12		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Communication Sciences and Disorders website (https://csd.wisc.edu/undergraduate/declaring-major/).

Communication Sciences and Disorders advising services are focused on students who need to declare the major or who have already declared Communication Sciences and Disorders and need advising in the major.

A Communication Sciences and Disorders advisor can help with:

- Curricular planning and course access
- DARS interpretation
- Declaration of the major for L&S students
- Documentation of study abroad plans
- Identification, interpretation and application of most academic policies
- Major and degree requirements
- Exploration of interests in independent study and research
- Understanding the differences between paths to the major.

Students seeking to pursue graduate study in speech-language pathology or audiology are urged to take CS&D 371 Pre-Clinical Observation of Children and Adults to earn ASHA observation hours which are required for graduate school admission.

The American Speech-Language-Hearing Association (ASHA) Standard IV-A (https://www.asha.org/Certification/Course-Content-Areas-for-SLP-Standards/) requires that Communication Sciences and Disorders students planning on continuing to graduate school must complete undergraduate coursework in the following areas: Biological Sciences, Physical Sciences (either Chemistry or Physics), Statistics, and Social Sciences and Behavioral Sciences to be eligible for professional certification. If you have questions about this, please contact undergrad@csd.wisc.edu.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

COMMUNICATION SCIENCES AND DISORDERS, BS

The Communication Sciences and Disorders major provides students with opportunities for study in the areas of speech–language pathology, audiology, and the normal aspects of speech, hearing, and language. Most students pursue this major because they hope to work as a licensed and certified clinical speech-language pathologist or audiologist, assisting clients with communication impairments arising from acquired neurological conditions, developmental conditions, genetic conditions, or unknown causes. Professional clinical practice follows completion of a master's degree in speech–language pathology (https://guide.wisc.edu/graduate/communication-sciences-disorders/communication-sciences-disorders-ms/), or a doctor of audiology degree (https://guide.wisc.edu/graduate/communication-sciences-disorders/audiology-consortial-program-uw-stevens-point-aud/). Some students pursue the undergraduate major as a foundation for a research career in speech, language or hearing sciences. Others pursue the major as a preliminary step toward advanced training in other professional fields (e.g., medicine, nursing, special education), or as a liberal arts degree that could lead to a variety of different career paths (speech–language pathology assistant, educational assistant, line therapist).

The department is accredited in speech–language pathology and in audiology by the Council on Academic Accreditation of the American Speech–Language–Hearing Association (ASHA). Therefore, academic courses and clinical practica in the Department of Communication Sciences and Disorders may be applied toward clinical certification by ASHA (speech language pathology or audiology), and toward state licensure.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students are urged to consult with an undergraduate academic advisor as soon as they have decided to major in this field. Course sequencing in the major is not flexible. Certain courses are prerequisites to others.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

CS&D COURSES

11 courses and 33 credits from:

Code	Title	Credits
CS&D 120	Cultural and Linguistic Diversity in Communication Sciences and Disorders	3
CS&D 201	Anatomy and Physiology of Speech Production	3
CS&D 202	Hearing Science	3
CS&D 210	Neural Basis of Communication	3
CS&D 240	Language Development in Children and Adolescents	3
CS&D 303	Speech Acoustics and Perception	3
CS&D 315	Phonetics and Phonological Development	3
CS&D 318	Voice, Craniofacial, and Fluency Disorders	3
CS&D 320	Introduction to Audiology	3
CS&D 425	Auditory Rehabilitation	3
CS&D 440	Child Language Disorders, Assessment and Intervention	3
Total Credits		**33**

COURSES IN RELATED AREAS

15 credits and one course from each of the following areas:

Psychology

Code	Title	Credits
PSYCH 202	Introduction to Psychology	3-4
HDFS 262	Development of the Young Child	3
HDFS 263	Development from Adolescence to Old Age	3

Statistics

Code	Title	Credits
STAT 301	Introduction to Statistical Methods	3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
PSYCH 210	Basic Statistics for Psychology	3
SOC/C&E SOC 360	Statistics for Sociologists I	4

Linguistics

Code	Title	Credits
LINGUIS 101	Human Language	3
LINGUIS/ANTHRO/ FOLKLORE/ INTL ST 211	Global Language Issues	3
LINGUIS 303	Historical Linguistics	3
LINGUIS 237	Language in Wisconsin	3
LINGUIS/ AMER IND 371	Survey of North American Indian Languages	3
LINGUIS/ ANTHRO 430	Language and Culture	3-4
ENGL 214	The English Language	3
ENGL 314	Structure of English	3
ENGL 318	Second Language Acquisition	3
SPANISH 321	The Structure of Modern Spanish	3
SPANISH 331	Spanish Applied Linguistics	3
SPANISH 327	Introduction to Spanish Linguistics	3

Biological Sciences in the Major

Code	Title	Credits
ANTHRO 105	Principles of Biological Anthropology	3
ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
BIOCHEM 104	Molecules to Life and the Nature of Science [1]	3
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
ZOOLOGY/ BIOLOGY 101	Animal Biology	3

Physical Sciences in the Major

Code	Title	Credits
BIOCHEM 104	Molecules to Life and the Nature of Science [1]	3
CHEM 103	General Chemistry I	4
CHEM 108	Chemistry in Our World	5
CHEM 109	Advanced General Chemistry	5
PHYSICS 103	General Physics	4
PHYSICS 107	The Ideas of Modern Physics	3
PHYSICS 109	Physics in the Arts	3

ELECTIVES

Code	Title	Credits
CS&D 110	Introduction to Communicative Disorders	3
CS&D 371	Pre-Clinical Observation of Children and Adults	3
CS&D 424	Sign Language I	2

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all CS&D and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[2]
- 15 credits in CS&D, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Communication Sciences and Disorders Major in consultation with the undergraduate advisor in that department.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Communications Sciences and Disorders, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all CS&D and major courses
- Complete the following courses for Honors earning a grade of B or better in each:

Code	Title	Credits
CS&D 481	Undergraduate Junior Honors	3
CS&D 681 & CS&D 682	Senior Honors Thesis and Senior Honors Thesis	6
2 of the following for Honors:		6
CS&D 303	Speech Acoustics and Perception	
CS&D 320	Introduction to Audiology	
CS&D 440	Child Language Disorders, Assessment and Intervention	
Total Credits		**15**

FOOTNOTES

1 BIOCHEM 104 can meet either the "Biological Science in the Major" or the "Physical Science in the Major" requirement, but not both. Please note that this course will *not* meet students' L&S Physical Science breath *degree requirement.*

2 These courses are considered upper level in the major: CS&D 303, CS&D 315, CS&D 318, CS&D 320, CS&D 371, CS&D 424, CS&D 425, CS&D 440, CS&D 699

UNIVERSITY DEGREE REQUIREMENTS

Total Degree — To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire a foundational understanding of basic anatomy and physiology of speech, language, and hearing.
2. Understand integrative neuroscience foundations of speech, language, and hearing.
3. Obtain basic knowledge in statistical sciences, linguistics, biological/physical sciences, social sciences, and humanities as related to Communication Sciences & Disorders.
4. Develop an understanding of speech, language, and hearing disorders and the relationship to foundational aspects of speech, language and hearing science.
5. Be prepared for graduate school and/or a career in Communication Sciences & Disorders and related areas.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Please refer to the Requirements tab in Guide for additional College of Letters and Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies content area course	3
CS&D 110	3	CS&D 120	3
Quantitative Reasoning A	4	Foreign Language	4
Foreign Language	4	Psych content area course	3
Physical Science Content Area Course	3	Biological Science content area course	3
	17		**16**

Second Year

Fall	Credits	Spring	Credits
CS&D 240	3	Statistics content area course	3
INTER-LS 210	1	Communication B	4
Quantitative Reasoning B	4	Literature Breadth	3
Literature Breadth	3	Electives	3
Electives	3	CS&D 202	3
CS&D 201	3		
	17		**16**

Third Year

Fall	Credits	Spring	Credits
CS&D 303	3	CS&D 425	3
CS&D 320	3	CS&D 440	3
Linguistics content area course	3	Social Science Breadth	3
Humanities Breadth	3	Electives	3
		CS&D 210	3
	12		**15**

Fourth Year

Fall	Credits	Spring	Credits
CS&D 315	3	CS&D 371	3
Electives	9	CS&D 318	3
		Electives	9
	12		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Communication Sciences and Disorders website (https://csd.wisc.edu/undergraduate/declaring-major/).

Communication Sciences and Disorders advising services are focused on students who need to declare the major or who have already declared Communication Sciences and Disorders and need advising in the major.

A Communication Sciences and Disorders advisor can help with:

- Curricular planning and course access
- DARS interpretation
- Declaration of the major for L&S students
- Documentation of study abroad plans
- Identification, interpretation and application of most academic policies
- Major and degree requirements
- Exploration of interests in independent study and research
- Understanding the differences between paths to the major.

Students seeking to pursue graduate study in speech-language pathology or audiology are urged to take CS&D 371 Pre-Clinical Observation of Children and Adults to earn ASHA observation hours which are required for graduate school admission.

The American Speech-Language-Hearing Association (ASHA) Standard IV-A (https://www.asha.org/Certification/Course-Content-Areas-for-SLP-Standards/) requires that Communication Sciences and Disorders students planning on continuing to graduate school must complete undergraduate coursework in the following areas: Biological Sciences, Physical Sciences (either Chemistry or Physics), Statistics, and Social Sciences and Behavioral Sciences to be eligible for professional certification. If you have questions about this, please contact undergrad@csd.wisc.edu.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

COMPUTER SCIENCES

Our graduates discover the field of computer science helps open up a world of possibilities.

Computer scientists enjoy exceptional career opportunities, in settings ranging from large, established companies to adventurous new start-ups. They are also well qualified to pursue graduate study in a number of fields.

Our students are creative, analytical problem-solvers. Computer science is a rich, collaborative, and varied field that you will find challenging, no matter where your individual interests lie.

And there is more to computer science than programming. While software engineering is an important skill, computer scientists also work with robots and other physical devices, design hardware that runs faster and more efficiently, and apply machine learning techniques to gain insight from large data sets—to name just a few examples.

Because computer science has become highly interconnected with medicine, business, and many other fields, it is a great fit with other interests you may have. You will enjoy a strong career outlook while having an impact on society.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Computer Sciences, BA (p. 655)
- Computer Sciences, BS (p. 660)
- Computer Sciences, Certificate (p. 664)

COMPUTER SCIENCES, BA

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Because computer science has become highly interconnected with medicine, business, and many other fields, it is a great fit with other interests you may have. You will enjoy a strong career outlook while having an impact on society.

HOW TO GET IN

HOW TO GET IN

DECLARATION REQUIREMENTS

To declare the computer sciences major, students must meet the following requirements:

- Credit for COMP SCI 300 and MATH 222
- Grade of BC or higher in one of these introductory programming courses, taken at UW-Madison: COMP SCI 300, COMP SCI/E C E 354 or COMP SCI 400
- 2.250 GPA or higher among major declaration eligible coursework[1]

[1] For purposes of computer sciences major declaration requirements, GPA calculation includes:
- UW-Madison courses only
- All attempts up to the first passed attempt of a course. A passed attempt is a grade of D or higher.
- All eligible major declaration coursework completed at the time of submitting a major declaration request.

If a student needs additional coursework to meet the 2.250 GPA requirement, COMP SCI/MATH 240, COMP SCI/E C E 354, and/or COMP SCI 400 Programming III may also be used.

It is advisable to submit a Computer Sciences major declaration request as soon as a student meets all three declaration requirements. Students having difficulties meeting the above requirements should schedule a meeting with a computer sciences advisor.
For instructions on declaring the major, see the Department of Computer Sciences website (https://www.cs.wisc.edu/undergraduate/ba-bs-in-compsci/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete a minimum of 48 total credits as detailed below.

BASIC COMPUTER SCIENCES

Code	Title	Credits
COMP SCI/ MATH 240	Introduction to Discrete Mathematics	3
COMP SCI/ E C E 252	Introduction to Computer Engineering	3
COMP SCI 300	Programming II	3
COMP SCI/ E C E 354	Machine Organization and Programming	3
COMP SCI 400	Programming III	3
Total Credits		**15**

BASIC CALCULUS

Code	Title	Credits
Complete one of these sequences:		9-14
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	

MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	
Total Credits		**9-14**

ADDITIONAL MATHEMATICS

Linear Algebra

Code	Title	Credits
Complete one:		
MATH 320	Linear Algebra and Differential Equations	3
MATH 340	Elementary Matrix and Linear Algebra	3
MATH 345	Linear Algebra and Optimization	4
MATH 341	Linear Algebra	3
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	5

Probability or Statistics

Code	Title	Credits
Complete one:		
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3
STAT 324	Introduction to Statistics for Science and Engineering	3
MATH 331	Introductory Probability	3
STAT 333	Applied Regression Analysis	3
STAT 340	Data Science Modeling II	4
STAT 371	Introductory Applied Statistics for the Life Sciences	3
STAT/MATH 431	Introduction to the Theory of Probability	3
MATH 531	Probability Theory	3

ADVANCED COMPUTER SCIENCE COURSES [1]

Theory of Computer Science

Code	Title	Credits
Complete one:		3
COMP SCI 577	Introduction to Algorithms	
COMP SCI 520	Introduction to Theory of Computing	

Software & Hardware

Code	Title	Credits
Complete two:		6-8
COMP SCI 407	Foundations of Mobile Systems and Applications	
COMP SCI/ E C E 506	Software Engineering	
COMP SCI 536	Introduction to Programming Languages and Compilers	
or COMP SCI 53	Introduction to the Theory and Design of Programming Languages	
COMP SCI 537	Introduction to Operating Systems	
COMP SCI 542	Introduction to Software Security	
COMP SCI 544	Introduction to Big Data Systems	
COMP SCI/ E C E 552	Introduction to Computer Architecture	
COMP SCI 557	Parallel & Throughput- Optimized Programming	
COMP SCI 564	Database Management Systems: Design and Implementation	
COMP SCI 640	Introduction to Computer Networks	
COMP SCI 642	Introduction to Information Security	

Applications

Code	Title	Credits
Complete one:		3
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI 534	Computational Photography	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI 541	Theory & Algorithms for Data Science	
COMP SCI 559	Computer Graphics	
COMP SCI 565	Introduction to Data Visualization	
COMP SCI 566	Introduction to Computer Vision	
COMP SCI 570	Introduction to Human-Computer Interaction	
COMP SCI 571	Building User Interfaces	

Electives [1]

Code	Title	Credits
Complete two:		6-8
COMP SCI 407	Foundations of Mobile Systems and Applications	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/E C E/ MATH 435	Introduction to Cryptography	
COMP SCI/ STAT 471	Introduction to Computational Statistics	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ E C E 506	Software Engineering	

COMP SCI/ MATH 513	Numerical Linear Algebra
COMP SCI/ MATH 514	Numerical Analysis
COMP SCI/DS/ I SY E 518	Wearable Technology
COMP SCI 520	Introduction to Theory of Computing
COMP SCI/E C E/ I SY E 524	Introduction to Optimization
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization
COMP SCI/ I SY E 526	Advanced Linear Programming
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning
COMP SCI/ E C E 533	Image Processing
COMP SCI 534	Computational Photography
COMP SCI 536	Introduction to Programming Languages and Compilers
COMP SCI 537	Introduction to Operating Systems
COMP SCI 538	Introduction to the Theory and Design of Programming Languages
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks
COMP SCI 540	Introduction to Artificial Intelligence
COMP SCI 541	Theory & Algorithms for Data Science
COMP SCI 542	Introduction to Software Security
COMP SCI 544	Introduction to Big Data Systems
COMP SCI/ E C E 552	Introduction to Computer Architecture
COMP SCI 557	Parallel & Throughput- Optimized Programming
COMP SCI 559	Computer Graphics
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning
COMP SCI 564	Database Management Systems: Design and Implementation
COMP SCI 565	Introduction to Data Visualization
COMP SCI 566	Introduction to Computer Vision
COMP SCI/ B M I 567	Biomedical Image Analysis
COMP SCI 570	Introduction to Human-Computer Interaction
COMP SCI 571	Building User Interfaces
COMP SCI/ B M I 576	Introduction to Bioinformatics
COMP SCI 577	Introduction to Algorithms
COMP SCI/ DS 579	Virtual Reality
COMP SCI 620	Computer Sciences Capstone
COMP SCI 640	Introduction to Computer Networks
COMP SCI 642	Introduction to Information Security
COMP SCI 639	Undergraduate Elective Topics in Computing

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all COMP SCI courses and courses counting toward the major
- 2.000 GPA on 15 upper-level credits, taken in residence[2]
- 15 credits in COMP SCI, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Computer Sciences Major in consultation with the Computer Sciences undergraduate coordinator(s). To earn Honors in the Major in Computer Sciences, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a minimum 3.300 University GPA
- Earn a minimum 3.500 GPA for all COMP SCI and major courses
- Complete one COMP SCI course numbered 500 through 699, taken for Honors with a grade of B or higher
- Complete COMP SCI 681 and COMP SCI 682 for a total of 6 credits.[3]

FOOTNOTES

1 COMP SCI courses may only fulfill one COMP SCI major requirement area. For example, if you take a course for the COMP SCI Applications requirement, it cannot also apply to the COMP SCI Elective requirement.

2 COMP SCI courses numbered 400 through 699 count as Upper Level.

3 Senior Honors Thesis proposal must be approved by the thesis/ project advisor and student must be declared as Honors in the Major before enrollment in COMP SCI 681. A final thesis or project must be completed before a final grade for COMP SCI 682 can be awarded.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and apply the core principles of Computing (abstractions and algorithms) to solve real-world problems.
2. Describe and apply the theoretical foundations of Computer Science (e.g., complexity analysis) in practical settings.
3. Demonstrate knowledge of key elements of computer systems, e.g., hardware, operating systems, networks.
4. Use fundamental and detailed knowledge, skills, and tools (e.g., specific algorithms, techniques methods, etc.) of computer science and develop the ability to acquire new knowledge, skills, and tools.
5. Design, implement, and evaluate software in multiple programming paradigms and languages.
6. Develop a substantial piece of software, and recognize the challenges of designing and developing software.
7. Exhibit technical (designing, implementing, and testing) and teamwork (communication, collaboration, and professional practice) skills in order to develop solutions as a computer science practitioner.
8. Can solve problems by applying a broad toolbox of knowledge and techniques.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
COMP SCI 200	3	COMP SCI 300	3
MATH 221	5	MATH 222	4
Communications Part A	3	Ethnic Studies	3
First-Semester Language	4	Second Semester Language	4
	15		**14**

Second Year

Fall	Credits	Spring	Credits
COMP SCI 400	3	COMP SCI/E C E 354	3
COMP SCI/E C E 252	3	COMP SCI/MATH 240	3
Linear Algebra	3	INTER-LS 210 (Optional Career Development Course)	1
Third Semester Language	4	Communication Part B	3
Social Science Breadth	3	Fourth Semester Language	4
	16		**14**

Third Year

Fall	Credits	Spring	Credits
COMP SCI Theory (COMP SCI 577 recommended)	3-4	COMP SCI Software/ Hardware	3-4
Probability or Statistics	3	COMP SCI Applications	3
COMP SCI 368 (Optional Programming Course)	1	Literature Breadth	3
Humanities Breadth	3	Biological Science Breadth	3
Social Science Breadth	3	Elective	3
Elective	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
COMP SCI Software/ Hardware	3-4	COMP SCI Elective	3
COMP SCI Elective	3	Physical Science Breadth	3
Humanities Breadth	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

The undergraduate coordinators in the Department of Computer Sciences are ready to help students with questions about the major, L&S degree requirements and policy, and course selection. Information on academic advising for students interested or declared in the computer sciences major is posted on the Computer Sciences advising page (https://www.cs.wisc.edu/undergraduate/undergraduate-advisors/).

CAREERS

Demand for those with a computer sciences education is exceptionally strong. According to figures from the U.S. Bureau of Labor Statistics, the vast majority of growth in STEM (science, technology, engineering, and math) occupations through 2020 will occur within computing fields.

Computer Sciences students are encouraged to begin working on their career exploration and preparation soon after arriving on campus to explore different career paths, participate in co-ops or summer internships, prepare for the job search and/or graduate school applications, and network with professionals in the field.

Department of Computer Sciences**:** the department hosts one major career fair (https://www.cs.wisc.edu/connect/job-fair/) per year, in the fall, as well as other opportunities to connect with employers, such as technical talks and information sessions.

SuccessWorks at the College of Letters & Science: SuccessWorks offers two major career fairs per year, assists with resume writing and interviewing skills, and offers individual career advising appointments for L&S students.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

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- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Visit the Wisconsin Scholarship Hub (https://wisc.academicworks.com/) to find UW–Madison scholarships and apply online.

Visit the scholarships page (https://www.cs.wisc.edu/academics/scholarships/) on the Department of Computer Sciences website for a compendium of opportunities available to students studying computer sciences.

COMPUTER SCIENCES, BS

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Because computer science has become highly interconnected with medicine, business, and many other fields, it is a great fit with other interests you may have. You will enjoy a strong career outlook while having an impact on society.

HOW TO GET IN

HOW TO GET IN

DECLARATION REQUIREMENTS

To declare the computer sciences major, students must meet the following requirements:

- Credit for COMP SCI 300 and MATH 222
- Grade of BC or higher in one of these introductory programming courses, taken at UW-Madison: COMP SCI 300, COMP SCI/E C E 354 or COMP SCI 400
- 2.250 GPA or higher among major declaration eligible coursework[1]

[1] For purposes of computer sciences major declaration requirements, GPA calculation includes:
- UW-Madison courses only
- All attempts up to the first passed attempt of a course. A passed attempt is a grade of D or higher.
- All eligible major declaration coursework completed at the time of submitting a major declaration request.

If a student needs additional coursework to meet the 2.250 GPA requirement, COMP SCI/MATH 240, COMP SCI/E C E 354, and/or COMP SCI 400 Programming III may also be used.
It is advisable to submit a Computer Sciences major declaration request as soon as a student meets all three declaration requirements.
Students having difficulties meeting the above requirements should schedule a meeting with a computer sciences advisor.
For instructions on declaring the major, see the Department of Computer Sciences website (https://www.cs.wisc.edu/undergraduate/ba-bs-in-compsci/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete a minimum of 48 total credits as detailed below.

BASIC COMPUTER SCIENCES

Code	Title	Credits
COMP SCI/ MATH 240	Introduction to Discrete Mathematics	3
COMP SCI/ E C E 252	Introduction to Computer Engineering	3
COMP SCI 300	Programming II	3
COMP SCI/ E C E 354	Machine Organization and Programming	3
COMP SCI 400	Programming III	3
Total Credits		**15**

BASIC CALCULUS

Code	Title	Credits
Complete one of these sequences:		9-14
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	
MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	
Total Credits		**9-14**

ADDITIONAL MATHEMATICS

Linear Algebra

Code	Title	Credits
Complete one:		
MATH 320	Linear Algebra and Differential Equations	3
MATH 340	Elementary Matrix and Linear Algebra	3
MATH 345	Linear Algebra and Optimization	4
MATH 341	Linear Algebra	3
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	5

Probability or Statistics

Code	Title	Credits
Complete one:		
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3

STAT 324	Introduction to Statistics for Science and Engineering	3
MATH 331	Introductory Probability	3
STAT 333	Applied Regression Analysis	3
STAT 340	Data Science Modeling II	4
STAT 371	Introductory Applied Statistics for the Life Sciences	3
STAT/MATH 431	Introduction to the Theory of Probability	3
MATH 531	Probability Theory	3

ADVANCED COMPUTER SCIENCE COURSES [1]

Theory of Computer Science

Code	Title	Credits
Complete one:		3
COMP SCI 577	Introduction to Algorithms	
COMP SCI 520	Introduction to Theory of Computing	

Software & Hardware

Code	Title	Credits
Complete two:		6-8
COMP SCI 407	Foundations of Mobile Systems and Applications	
COMP SCI/ E C E 506	Software Engineering	
COMP SCI 536	Introduction to Programming Languages and Compilers	
or COMP SCI 53	Introduction to the Theory and Design of Programming Languages	
COMP SCI 537	Introduction to Operating Systems	
COMP SCI 542	Introduction to Software Security	
COMP SCI 544	Introduction to Big Data Systems	
COMP SCI/ E C E 552	Introduction to Computer Architecture	
COMP SCI 557	Parallel & Throughput- Optimized Programming	
COMP SCI 564	Database Management Systems: Design and Implementation	
COMP SCI 640	Introduction to Computer Networks	
COMP SCI 642	Introduction to Information Security	

Applications

Code	Title	Credits
Complete one:		3
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI 534	Computational Photography	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI 541	Theory & Algorithms for Data Science	
COMP SCI 559	Computer Graphics	
COMP SCI 565	Introduction to Data Visualization	
COMP SCI 566	Introduction to Computer Vision	
COMP SCI 570	Introduction to Human-Computer Interaction	
COMP SCI 571	Building User Interfaces	

Electives [1]

Code	Title	Credits
Complete two:		6-8
COMP SCI 407	Foundations of Mobile Systems and Applications	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/E C E/ MATH 435	Introduction to Cryptography	
COMP SCI/ STAT 471	Introduction to Computational Statistics	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ E C E 506	Software Engineering	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/DS/ I SY E 518	Wearable Technology	
COMP SCI 520	Introduction to Theory of Computing	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/ I SY E 526	Advanced Linear Programming	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/ E C E 533	Image Processing	
COMP SCI 534	Computational Photography	
COMP SCI 536	Introduction to Programming Languages and Compilers	
COMP SCI 537	Introduction to Operating Systems	
COMP SCI 538	Introduction to the Theory and Design of Programming Languages	
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI 541	Theory & Algorithms for Data Science	

COMP SCI 542	Introduction to Software Security
COMP SCI 544	Introduction to Big Data Systems
COMP SCI/ E C E 552	Introduction to Computer Architecture
COMP SCI 557	Parallel & Throughput- Optimized Programming
COMP SCI 559	Computer Graphics
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning
COMP SCI 564	Database Management Systems: Design and Implementation
COMP SCI 565	Introduction to Data Visualization
COMP SCI 566	Introduction to Computer Vision
COMP SCI/ B M I 567	Biomedical Image Analysis
COMP SCI 570	Introduction to Human-Computer Interaction
COMP SCI 571	Building User Interfaces
COMP SCI/ B M I 576	Introduction to Bioinformatics
COMP SCI 577	Introduction to Algorithms
COMP SCI/ DS 579	Virtual Reality
COMP SCI 620	Computer Sciences Capstone
COMP SCI 640	Introduction to Computer Networks
COMP SCI 642	Introduction to Information Security
COMP SCI 639	Undergraduate Elective Topics in Computing

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all COMP SCI courses and courses counting toward the major
- 2.000 GPA on 15 upper-level credits, taken in residence[2]
- 15 credits in COMP SCI, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Computer Sciences Major in consultation with the Computer Sciences undergraduate coordinator(s). To earn Honors in the Major in Computer Sciences, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a minimum 3.300 University GPA
- Earn a minimum 3.500 GPA for all COMP SCI and major courses
- Complete one COMP SCI course numbered 500 through 699, taken for Honors with a grade of B or higher
- Complete COMP SCI 681 and COMP SCI 682 for a total of 6 credits.[3]

FOOTNOTES

[1] COMP SCI courses may only fulfill one COMP SCI major requirement area. For example, if you take a course for the COMP SCI Applications requirement, it cannot also apply to the COMP SCI Elective requirement.

[2] COMP SCI courses numbered 400 through 699 count as Upper Level.

[3] Senior Honors Thesis proposal must be approved by the thesis/project advisor and student must be declared as Honors in the Major before enrollment in COMP SCI 681. A final thesis or project must be completed before a final grade for COMP SCI 682 can be awarded.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and apply the core principles of Computing (abstractions and algorithms) to solve real-world problems.
2. Describe and apply the theoretical foundations of Computer Science (e.g., complexity analysis) in practical settings.
3. Demonstrate knowledge of key elements of computer systems, e.g., hardware, operating systems, networks.
4. Use fundamental and detailed knowledge, skills, and tools (e.g., specific algorithms, techniques methods, etc.) of computer science and develop the ability to acquire new knowledge, skills, and tools.
5. Design, implement, and evaluate software in multiple programming paradigms and languages.
6. Develop a substantial piece of software, and recognize the challenges of designing and developing software.
7. Exhibit technical (designing, implementing, and testing) and teamwork (communication, collaboration, and professional practice) skills in order to develop solutions as a computer science practitioner.
8. Can solve problems by applying a broad toolbox of knowledge and techniques.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
COMP SCI 200	3	COMP SCI 300	3
MATH 221	5	MATH 222	4
Communications Part A	3	Ethnic Studies	3
First-Semester Language	4	Second Semester Language	4
	15		**14**

Second Year

Fall	Credits	Spring	Credits
COMP SCI 400	3	COMP SCI/E C E 354	3
COMP SCI/E C E 252	3	COMP SCI/MATH 240	3

Linear Algebra	3	INTER-LS 210 (Optional Career Development Course)	1
Third Semester Language	4	Communication Part B	3
Social Science Breadth	3	Fourth Semester Language	4
	16		**14**

Third Year

Fall	Credits	Spring	Credits
COMP SCI Theory (COMP SCI 577 recommended)	3-4	COMP SCI Software/ Hardware	3-4
Probability or Statistics	3	COMP SCI Applications	3
COMP SCI 368 (Optional Programming Course)	1	Literature Breadth	3
Humanities Breadth	3	Biological Science Breadth	3
Social Science Breadth	3	Elective	3
Elective	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
COMP SCI Software/ Hardware	3-4	COMP SCI Elective	3
COMP SCI Elective	3	Physical Science Breadth	3
Humanities Breadth	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

The undergraduate coordinators in the Department of Computer Sciences are ready to help students with questions about the major, L&S degree requirements and policy, and course selection. Information on academic advising for students interested or declared in the computer sciences major is posted on the Computer Sciences advising page (https://www.cs.wisc.edu/undergraduate/undergraduate-advisors/).

CAREERS

Demand for those with a computer sciences education is exceptionally strong. According to figures from the U.S. Bureau of Labor Statistics, the vast majority of growth in STEM (science, technology, engineering, and math) occupations through 2020 will occur within computing fields.

Computer Sciences students are encouraged to begin working on their career exploration and preparation soon after arriving on campus to explore different career paths, participate in co-ops or summer internships, prepare for the job search and/or graduate school applications, and network with professionals in the field.

Department of Computer Sciences**:** the department hosts one major career fair (https://www.cs.wisc.edu/connect/job-fair/) per year, in the fall, as well as other opportunities to connect with employers, such as technical talks and information sessions.

SuccessWorks at the College of Letters & Science: SuccessWorks offers two major career fairs per year, assists with resume writing and interviewing skills, and offers individual career advising appointments for L&S students.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Visit the Wisconsin Scholarship Hub (https://wisc.academicworks.com/) to find UW–Madison scholarships and apply online.

Visit the scholarships page (https://www.cs.wisc.edu/academics/scholarships/) on the Department of Computer Sciences website for a compendium of opportunities available to students studying computer sciences.

COMPUTER SCIENCES, CERTIFICATE

Regardless of your major, you can enhance your career with a background in computer sciences. The Computer Sciences certificate is designed to deepen and validate your computing savvy for your future career prospects and/or graduate school. Compared to a major in Computer Sciences, the certificate requires fewer courses and offers more flexibility in course selection.

HOW TO GET IN

HOW TO GET IN

All undergraduate, degree-seeking students are eligible to declare the computer sciences certificate, except for students majoring in Computer Sciences or Computer Engineering.

DECLARATION REQUIREMENTS

To declare the computer sciences certificate, students must meet the following requirements:

- Completion of COMP SCI 300
- Grade of BC or higher in one of these introductory programming course, taken at UW-Madison: COMP SCI 300, COMP SCI/ E C E 354 or COMP SCI 400

Students having difficulties meeting the above requirements should schedule a meeting with a computer sciences advisor to discuss alternatives.

For instructions on declaring the certificate, see the Department of Computer Sciences website (https://www.cs.wisc.edu/undergraduate/certificate-in-computer-sciences/).

REQUIREMENTS

REQUIREMENTS

`Five courses and at least 14 credits from:` [1]

Code	Title	Credits
Required Course		
COMP SCI 300	Programming II	3
Two courses numbered 400-679:		**6-8**
COMP SCI 400	Programming III	
COMP SCI 407	Foundations of Mobile Systems and Applications	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/E C E/ MATH 435	Introduction to Cryptography	
COMP SCI/ STAT 471	Introduction to Computational Statistics	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ E C E 506	Software Engineering	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/DS/ I SY E 518	Wearable Technology	
COMP SCI 520	Introduction to Theory of Computing	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/ I SY E 526	Advanced Linear Programming	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/ E C E 533	Image Processing	
COMP SCI 534	Computational Photography	
COMP SCI 536	Introduction to Programming Languages and Compilers	
COMP SCI 537	Introduction to Operating Systems	
COMP SCI 538	Introduction to the Theory and Design of Programming Languages	
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI 541	Theory & Algorithms for Data Science	
COMP SCI 542	Introduction to Software Security	
COMP SCI 544	Introduction to Big Data Systems	
COMP SCI/ E C E 552	Introduction to Computer Architecture	
COMP SCI 559	Computer Graphics	
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning	
COMP SCI 564	Database Management Systems: Design and Implementation	
COMP SCI 565	Introduction to Data Visualization	
COMP SCI 566	Introduction to Computer Vision	
COMP SCI/ B M I 567	Biomedical Image Analysis	
COMP SCI 570	Introduction to Human-Computer Interaction	
COMP SCI 571	Building User Interfaces	
COMP SCI/ B M I 576	Introduction to Bioinformatics	
COMP SCI 577	Introduction to Algorithms	
COMP SCI/ DS 579	Virtual Reality	
COMP SCI 640	Introduction to Computer Networks	
COMP SCI 642	Introduction to Information Security	
COMP SCI 639	Undergraduate Elective Topics in Computing	
Two additional courses, chosen from courses numbered 400-679 (above) or these:		**5-8**
COMP SCI/ MATH 240	Introduction to Discrete Mathematics	
COMP SCI/ E C E 252	Introduction to Computer Engineering	
COMP SCI/ E C E 352	Digital System Fundamentals	
COMP SCI 310	Problem Solving Using Computers	

	COMP SCI 320	Data Science Programming II
	COMP SCI/ E C E 354	Machine Organization and Programming
Total Credits		**14**

[1] Courses taken Pass/Fail do not meet requirements of the Certificate.

RESIDENCE AND QUALITY OF WORK

- At least 7 Certificate credits must be completed in Residence
- Minimum 2.000 GPA on all COMP SCI and Certificate courses

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATE

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and apply the core principles of Computing (abstractions and algorithms) to solve real-world problems.
2. Use fundamental and detailed knowledge, skills, and tools (e.g., specific algorithms, techniques methods, etc.) of computer science and develop the ability to acquire new knowledge, skills, and tools.
3. Design, implement, and evaluate software in multiple programming paradigms and languages.
4. Can solve problems by applying a broad toolbox of knowledge and techniques.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

The undergraduate coordinators in the Department of Computer Sciences are ready to help students with questions about the certificate, L&S degree requirements and policy, and course selection. Information on academic advising for students interested or declared in the Computer Sciences certificate is posted on the Computer Sciences advising page (https://www.cs.wisc.edu/undergraduate/undergraduate-advisors/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ECONOMICS

A major in Economics gives students a greater understanding of how people, businesses, and governments respond to their economic environments. Many of the issues that fill the newspapers—jobs, wages, taxes, the cost of living, inequality, pollution, poverty, and economic growth—are, in fundamental ways, economic issues. The daily decisions of businesses and consumers are largely economic. Economists seek to understand the decisions of businesses, consumers, and current economic issues by developing a systematic and thorough understanding of precisely how the economic system operates, including the mechanisms by which resources are allocated, prices determined, income redistributed, and economic growth promoted.

The analytical method of economics recognizes that various choices are open to a society in solving its economic problems. Students are often attracted to economics as a discipline precisely because they want to understand the decisions of people and businesses and to better understand and evaluate economic policy. To begin to approach these issues as an economist requires an understanding of economic theory, empirical methodology, and an understanding of the institutional details and advanced practice gained from intensive study of specific subfields of economics. Consequently, the Economics major is organized around a progression of courses that first provides a broad introduction to economics, then develops the theoretical tools that provide the foundation of modern economic thought, and finishes with advanced courses designed to provide greater in-depth knowledge of specific fields (such as labor markets, industrial organization, international economics, public finance, banking and finance, macroeconomics, microeconomics, and econometrics).

An Economics major is valuable in the job market because the major is designed to train people to think analytically and clearly about a wide variety of issues. Economics graduates go on to pursue careers in a variety of fields including finance, data analytics, and public policy. An Economics major is also good preparation for graduate work in a number of areas: business, law, public policy, economics, public administration, industrial relations, international relations, urban and regional planning, and environmental studies.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Economic Analytics, Certificate (p. 667)
- Economics, BA (p. 668)
- Economics, BS (p. 675)

ECONOMIC ANALYTICS, CERTIFICATE

When analyzing data, economists use many of the same statistical tools as other disciplines. However, economists have a tradition of formally combining data analysis with economic models, giving a different perspective on data and how to think about data analysis. This certificate will introduce students not majoring in Economics to this economic approach to data analytics.

An economist's approach to data analysis has two distinguishing features. First, economists traditionally interpret observational data through the lens of an economic model. This often leads to an explicit derivation of the data-generating process, typically involving individual optimization. Second, economists tend to focus on identification and causal inference more than many other disciplines. This involves looking for combinations of data and empirical approaches that allow empirical relationships to be interpreted causally.

This certificate will introduce students to this perspective and these tools by teaching students a mix of microeconomic theory, statistics and econometrics, and hands-on experience analyzing real data.

HOW TO GET IN

HOW TO GET IN

There are no prerequisites to declaring the certificate; students are encouraged to declare as soon as they are comfortable. Declaration of the certificate occurs via an online form, but students are encouraged to schedule a meeting with an Economics advisor.

Economics majors are not eligible to declare this certificate.

REQUIREMENTS

REQUIREMENTS

The certificate requires at least 14 credits, from:

Code	Title	Credits
Complete one option from each category:		
Microeconomics (complete one course):		*3-4*
ECON 301	Intermediate Microeconomic Theory	
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	
Statistics (complete one option):		*4-8*
ECON 310	Statistics: Measurement in Economics	
STAT 240 & STAT 340	Data Science Modeling I and Data Science Modeling II	
STAT 303 & STAT 333	R for Statistics I and Applied Regression Analysis	
Econometrics (complete one course)		*4*
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
Data-Related Economics Elective (complete one course):		*3-4*
ECON 460	Economic Forecasting	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 695	Topics in Economic Data Analysis	
Total Credits		**14**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 7 credits must be taken in residence at UW-Madison

CERTIFICATION COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. apply microeconomic models to understand and interpret individual behavior and market outcomes as the result of individual optimization
2. estimate the value of unknown parameters and test theories using formal hypothesis tests
3. summarize the conditions required for a statistical association to represent a causal relationship; evaluate the extent to which those conditions hold in particular settings; interpret the results when those conditions don't hold
4. download, clean, and analyze large economic datasets using modern statistical software

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

If you are wondering how this certificate can fit into your academic plans or help with your career goals, be sure to meet with an advisor. Our academic advisors (https://econ.wisc.edu/undergraduate/find-academic-advising/) can help you create an academic plan and ensure you are making the most of your academic experience.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ECONOMICS, BA

A major in Economics gives students a greater understanding of how people, businesses, and governments respond to their economic environments. Many of the issues that fill the newspapers—jobs, wages, taxes, the cost of living, inequality, pollution, poverty, and economic growth—are, in fundamental ways, economic issues. The daily decisions of businesses and consumers are largely economic. Economists seek to understand the decisions of businesses, consumers, and current economic issues by developing a systematic and thorough understanding of precisely how the economic system operates, including the mechanisms by which resources are allocated, prices determined, income redistributed, and economic growth promoted.

The analytical method of economics recognizes that various choices are open to a society in solving its economic problems. Students are often attracted to economics as a discipline precisely because they want to understand the decisions of people and businesses and to better understand and evaluate economic policy. To begin to approach these issues as an economist requires an understanding of economic theory, empirical methodology, and an understanding of the institutional details and advanced practice gained from intensive study of specific subfields of economics. Consequently, the Economics major is organized around a progression of courses that first provides a broad introduction to economics, then develops the theoretical tools that provide the foundation of modern economic thought, and finishes with advanced courses designed to provide greater in-depth knowledge of specific fields (such as labor markets, industrial organization, international economics, public finance, banking and finance, macroeconomics, microeconomics, and econometrics).

An Economics major is valuable in the job market because the major is designed to train people to think analytically and clearly about a wide variety of issues. Economics graduates go on to pursue careers in a variety of fields including finance, data analytics, and public policy. An Economics major is also good preparation for graduate work in a number of areas: business, law, public policy, economics, public administration, industrial relations, international relations, urban and regional planning, and environmental studies.

HOW TO GET IN

HOW TO GET IN

DECLARING THE MAJOR

- Complete one calculus course, MATH 211, MATH 217, MATH 221 or MATH 222 (MATH 217, MATH 221 or MATH 222 for the Mathematical Emphasis option), and
- Complete any one ECON course (except ECON 100) at UW–Madison, and
- Achieve a 2.000 GPA in all ECON courses and major courses (i.e., calculus) at the time of declaration.

Students may not be declared in both the Economics major and the Certificate in Economic Analytics.

For instructions on how to declare the Economics major, visit https://econ.wisc.edu/undergraduate/declaring-an-econ-major/

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

OPTIONS IN THE MAJOR

The department offers two major options. Students may declare only one option and must complete all requirements including Residence and Quality of Work standards. Options are:

Option A: Economics provides a well-rounded major in economics that is valuable for employment following graduation, or subsequent graduate work in business, law, public policy, and related disciplines.

Option B: Economics—Mathematical Emphasis provides students with the mathematical and statistical background needed for in-depth study of the analytical aspects of economics. Its requirements are designed to prepare students for graduate study in economics and related fields, or for careers as professional economists in business or government. For specific Mathematical Emphasis requirements, see the section below (p. 671).

REQUIREMENTS FOR THE ECONOMICS MAJOR

MATH AND STATISTICS

Code	Title	Credits
Mathematics (complete one):		**5-10**
MATH 221	Calculus and Analytic Geometry 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211 & MATH 213	Survey of Calculus 1 and Survey of Calculus 2	
MATH 211 & ECON 205	Survey of Calculus 1 and Quantitative Tools for Economics	
Statistics (complete one):		**3-4**
ECON 310	Statistics: Measurement in Economics (Recommended)	
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 431	Introduction to the Theory of Probability	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 340	Data Science Modeling II	
Total Credits		**8-14**

ECONOMICS

30 credits to include:

Code	Title	Credits
Principles of Economics (complete one):		**4-8**
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Microeconomic Theory (complete one):		**3-4**
ECON 301	Intermediate Microeconomic Theory	

ECON 311	Intermediate Microeconomic Theory - Advanced Treatment (Honors Econ)	
Macroeconomic Theory (complete one):		**3-4**
ECON 302	Intermediate Macroeconomic Theory	
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	
Two Core ECON courses: [1]		**6-8**
ECON 400	Introduction to Applied Econometrics	
ECON 409	Study Abroad in Advanced Economics	
ECON 410	Introductory Econometrics	
ECON 435	The Financial System	
ECON 441	Analytical Public Finance	
ECON 442	Macroeconomic Policy	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 455	Behavioral Economics	
ECON 458	Industrial Structure and Competitive Strategy	
ECON 460	Economic Forecasting	
ECON 461	International Macroeconomics	
ECON 464	International Trade	
ECON 467	International Industrial Organizations	
ECON 468	Industrial Organization and Imperfect Competition	
ECON 475	Economics of Growth	
ECON/ FINANCE 503	Markets with Frictions	
ECON 521	Game Theory and Economic Analysis	
ECON 522	Law and Economics	
ECON/R M I 530	Insuring Life's Risks: Health, Aging, and Policy	
ECON 535	Experimental Economics	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 580	Honors Tutorial in Research Project Design	
ECON 621	Markets and Models	
ECON 623	Population Economics	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
ECON 690	Topics in Economics	
ECON 695	Topics in Economic Data Analysis	
Electives		**6-14**

Complete any Core econ course not used above or one of these courses:

ECON/ FINANCE 300	Introduction to Finance
ECON/ HIST SCI 305	Development of Economic Thought
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process
ECON 309	Study Abroad in Intermediate Economics
ECON 315	Data Visualization for Economists
ECON/ FINANCE 320	Investment Theory
ECON 321	Sports Economics
ECON 325	Economics of Race in the United States
ECON 330	Money and Banking
ECON 340	Microeconomics in Popular Culture
ECON/A A E/ ENVIR ST 343	Environmental Economics
ECON 350	The Chinese Economy
ECON 355	The Economics of Growing-up and Getting Old
ECON 370	Economics of Poverty and Inequality
ECON/A A E 371	Energy, Resources and Economics
ECON 390	Contemporary Economic Issues
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics
ECON/A A E 421	Economic Decision Analysis
ECON/ENVIR ST/ POLI SCI/ URB R PL 449	Government and Natural Resources
ECON/A A E/ INTL BUS 462	Latin American Economic Development
ECON 465	The American Economy to 1865
ECON/ HISTORY 466	The American Economy Since 1865
ECON/A A E 473	Economic Growth and Development in Southeast Asia
ECON/A A E 474	Economic Problems of Developing Areas
ECON/A A E 477	Agricultural and Economic Development in Africa
ECON/ PHILOS 524	Philosophy and Economics
ECON/A A E 526	Quantitative Methods in Agricultural and Applied Economics
ECON/A A E/ F&W ECOL 531	Natural Resource Economics
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics
Total Credits		**30**

REQUIREMENT FOR THE MATHEMATICAL EMPHASIS:

View as listView as grid

- **ECONOMICS: MATHEMATICAL EMPHASIS (P. 673)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ECON and major courses
- 2.000 GPA on 15 upper-level major credits taken in residence[2]
- 15 credits in ECON, taken on the UW–Madison campus

HONORS IN THE ECONOMICS MAJOR

To participate in Honors in the Economics Major, students must be declared in the Mathematical Emphasis option. For further information, see the Mathematical Emphasis requirements (p. 673) and consult your Economics undergraduate advisor.

FOOTNOTES

[1] At least two core ECON courses must be taken in residence at UW–Madison, and not via transfer or a UW–Madison Study Abroad program.

[2] Intermediate and Advanced level ECON courses are Upper Level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the fundamental concepts of economics and how those concepts apply to real world issues.
2. Construct and evaluate economic models, their assumptions, and conclusions.
3. Acquire a diverse set of skills and strategies in mathematical reasoning/statistical and computational techniques/deductive logic/problem solving.
4. Use mathematics/computational/statistical techniques to analyze real world situations and policies.
5. Use economic analysis to critically evaluate public policy proposals.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Quantitative Reasoning A	4	ECON 101	4
Communication A	3	Ethnic Studies	3
Foreign Language	4	MATH 221	5
Physical Science Breadth	3	Foreign Language	4
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
ECON 102	4	ECON 301	4
Biological Science Breadth	3	ECON 310	4
Foreign Language	4	Humanities Breadth	4
Literature Breadth	3	Foreign Language	4
INTER-LS 210	1		
	15		**16**

Junior

Fall	Credits	Spring	Credits
ECON 302	4	Econometrics (ECON 400 or 410)	4
Economics elective or core econ course	4	Humanities Breadth	3
Literature Breadth	3	Communication B	4
Science Breadth	4	Elective	3
	15		**14**

Senior

Fall	Credits	Spring	Credits
Core econ course	4	Elective	4
Core course	4	Elective	4
Elective	3	Elective	4

Elective	4	Elective	3
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it —along with their DARS report, the Degree Planner, and Course Search & Enroll tools — to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. Students planning to graduate within three years with an Economics major should consult with an advisor (https://econ.wisc.edu/undergraduate/find-academic-advising/) as soon as possible, and should ideally be entering the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- ECON 101 Principles of Microeconomics
- Communication Part A
- Quantitative Reasoning Part A
- Placement into MATH 221 Calculus and Analytic Geometry 1
- 3 credits of Literature, 3 credits of Biological Science
- 3-4 units of foreign language

Summer coursework is not required to finish in three years, but students planning to finish in three years will find it easier if they take either an intermediate theory course during Summer One or an advanced elective during Summer Two.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	ECON 301	4	ECON 302	4
MATH 221	5	Communication B	4		
Literature Breadth	3	Biological Science Breadth	3		
Physical Science Breadth	3	Elective (Intermediate or Advanced level)	4		
	15		**15**		**4**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
ECON 310	4	ECON 400 or 410	4	Summer Internship (optional)	0
Core Econ Course or elective	3	Physical Science Breadth	3		
Ethnic Studies/ Humanities Breadth	4	Humanities Breadth	4		
Elective (Intermediate or Advanced level)	4	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	4		
	15		**15**		**0**

Third Year

Fall	Credits	Spring	Credits
Core econ Course	3	Electives (Intermediate or Advanced level)	12
Electives (Intermediate or Advanced level)	11		
	14		**12**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

Academic advising (https://econ.wisc.edu/undergraduate/find-academic-advising/), along with general information about the undergraduate major and coursework, is available in Room 7238 of the Social Science Building.

PREPARATION FOR PHD PROGRAMS IN ECONOMICS

Students interested in pursuing graduate study should pursue Option B (mathematical emphasis) and augment the standard curriculum with higher-level mathematics and statistics courses. These may include:

Code	Title	Credits
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 421	The Theory of Single Variable Calculus	
MATH/STAT 431	Introduction to the Theory of Probability	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	

It is important to consult early in the second year with the undergraduate advisor and/or the faculty member who directs the undergraduate program to design a plan of coursework.

DIRECTED STUDY

Directed Study (ECON 698, ECON 699) enables advanced students to pursue economic topics not covered in the regular course offerings. A student interested in Directed Study should prepare a research proposal and/or reading list; specific course requirements are arranged with an instructor who agrees to supervise the directed study project. Enrollment requires the consent of the instructor; a GPA of 3.00 or above in ECON; completion of ECON 301 Intermediate Microeconomic Theory and ECON 302 Intermediate Macroeconomic Theory; at least one CORE ECON course.

Any undergraduate Economics student considering a Directed Study should meet with an Economics undergraduate academic advisor often for consultation.

INTERNSHIPS

Students can earn 1 credit for approved internships appropriate to the study of economics under course ECON 228 Internship Economics. Students must enroll for ECON 228 in the same semester/session in which the internship is granted. Students should work a minimum of 100 hours per term. Prerequisites are declaration in the Economics major; a major GPA of 2.200 or higher; completion of at least four ECON courses at UW–Madison; completion of at least one Intermediate Theory course (ECON 301 Intermediate Microeconomic Theory or ECON 302 Intermediate Macroeconomic Theory); and departmental approval.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ECONOMICS: MATHEMATICAL EMPHASIS

REQUIREMENTS

REQUIREMENTS FOR THE MATHEMATICAL EMPHASIS

MATHEMATICS & STATISTICS

Code	Title	Credits
Mathematics		**15-16**
Option 1–four courses:		
MATH 221	Calculus and Analytic Geometry 1	
MATH 222	Calculus and Analytic Geometry 2	
MATH 234	Calculus--Functions of Several Variables	
MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
Option 2–Honors sequence:		
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
Statistics (1 course)		**3**
ECON 310	Statistics: Measurement in Economics (Recommended)	
ECON 410	Introductory Econometrics	
MATH/STAT 431	Introduction to the Theory of Probability	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 340	Data Science Modeling II	
Total Credits		**18-19**

ECONOMICS

30 credits to include:

Code	Title	Credits
Principles of Economics (complete one):		**4-8**
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Microeconomic Theory (complete one):		**3-4**
ECON 301	Intermediate Microeconomic Theory	
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment (Honors Econ)	

Macroeconomic Theory (complete one):		**3-4**
ECON 302	Intermediate Macroeconomic Theory	
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	
Introductory Econometrics		
ECON 410	Introductory Econometrics	
Three Core ECON courses: [1]		**6-12**
ECON 409	Study Abroad in Advanced Economics	
ECON 435	The Financial System	
ECON 441	Analytical Public Finance	
ECON 442	Macroeconomic Policy	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 455	Behavioral Economics	
ECON 458	Industrial Structure and Competitive Strategy	
ECON 460	Economic Forecasting	
ECON 461	International Macroeconomics	
ECON 464	International Trade	
ECON 467	International Industrial Organizations	
ECON 468	Industrial Organization and Imperfect Competition	
ECON 475	Economics of Growth	
ECON/ FINANCE 503	Markets with Frictions	
ECON 521	Game Theory and Economic Analysis	
ECON 522	Law and Economics	
ECON/R M I 530	Insuring Life's Risks: Health, Aging, and Policy	
ECON 535	Experimental Economics	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 580	Honors Tutorial in Research Project Design	
ECON 621	Markets and Models	
ECON 623	Population Economics	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
ECON 690	Topics in Economics	
ECON 695	Topics in Economic Data Analysis	
Electives		**0-10**
Complete any core ECON course (above) or one of these courses:		
ECON/ FINANCE 300	Introduction to Finance	
ECON/ HIST SCI 305	Development of Economic Thought	
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process	
ECON 309	Study Abroad in Intermediate Economics	
ECON 315	Data Visualization for Economists	
ECON/ FINANCE 320	Investment Theory	
ECON 321	Sports Economics	
ECON 325	Economics of Race in the United States	
ECON 330	Money and Banking	
ECON 340	Microeconomics in Popular Culture	
ECON/A A E/ ENVIR ST 343	Environmental Economics	
ECON 350	The Chinese Economy	
ECON 355	The Economics of Growing-up and Getting Old	
ECON 370	Economics of Poverty and Inequality	
ECON/A A E 371	Energy, Resources and Economics	
ECON 390	Contemporary Economic Issues	
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	
ECON/A A E 421	Economic Decision Analysis	
ECON/ENVIR ST/ POLI SCI/ URB R PL 449	Government and Natural Resources	
ECON/A A E/ INTL BUS 462	Latin American Economic Development	
ECON 465	The American Economy to 1865	
ECON/ HISTORY 466	The American Economy Since 1865	
ECON/A A E 473	Economic Growth and Development in Southeast Asia	
ECON/A A E 474	Economic Problems of Developing Areas	
ECON/A A E 477	Agricultural and Economic Development in Africa	
ECON/ PHILOS 524	Philosophy and Economics	
ECON/A A E 526	Quantitative Methods in Agricultural and Applied Economics	
ECON/A A E/ F&W ECOL 531	Natural Resource Economics	
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	
Total Credits		**24-26**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major and ECON courses
- 2.000 GPA on 15 upper-level major courses taken in residence[2]
- 15 credits in ECON, taken on the UW–Madison campus

HONORS IN THE MAJOR

REQUIREMENTS TO EARN HONORS IN THE ECONOMICS MAJOR

To earn Honors in the Major in Economics, students must be declared in and satisfy the requirements for the Economics–Mathematical Emphasis Option (above), **and** satisfy the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all ECON and major courses
- Complete the following courses, taken for Honors, with grades of B or better in each:

Code	Title	Credits
ECON 311 & ECON 312	Intermediate Microeconomic Theory - Advanced Treatment and Intermediate Macroeconomic Theory - Advanced Treatment	
ECON 580	Honors Tutorial in Research Project Design	
Select one of the following capstone experiences:		
ECON 581	Honors Thesis	
ECON 681 & ECON 682	Senior Honors Thesis and Senior Honors Thesis (Take for a total of 6 credits)	

FOOTNOTES

[1] At least two core ECON courses must be taken in residence at UW–Madison, and not via transfer or a UW–Madison Study Abroad program.

[2] Intermediate and Advanced level ECON courses are Upper Level in the major.

ECONOMICS, BS

A major in Economics gives students a greater understanding of how people, businesses, and governments respond to their economic environments. Many of the issues that fill the newspapers—jobs, wages, taxes, the cost of living, inequality, pollution, poverty, and economic growth—are, in fundamental ways, economic issues. The daily decisions of businesses and consumers are largely economic. Economists seek to understand the decisions of businesses, consumers, and current economic issues by developing a systematic and thorough understanding of precisely how the economic system operates, including the mechanisms by which resources are allocated, prices determined, income redistributed, and economic growth promoted.

The analytical method of economics recognizes that various choices are open to a society in solving its economic problems. Students are often attracted to economics as a discipline precisely because they want to understand the decisions of people and businesses and to better understand and evaluate economic policy. To begin to approach these issues as an economist requires an understanding of economic theory, empirical methodology, and an understanding of the institutional details and advanced practice gained from intensive study of specific subfields of economics. Consequently, the Economics major is organized around a progression of courses that first provides a broad introduction to economics, then develops the theoretical tools that provide the foundation of modern economic thought, and finishes with advanced courses designed to provide greater in-depth knowledge of specific fields (such as labor markets, industrial organization, international economics, public finance, banking and finance, macroeconomics, microeconomics, and econometrics).

An Economics major is valuable in the job market because the major is designed to train people to think analytically and clearly about a wide variety of issues. Economics graduates go on to pursue careers in a variety of fields including finance, data analytics, and public policy. An Economics major is also good preparation for graduate work in a number of areas: business, law, public policy, economics, public administration, industrial relations, international relations, urban and regional planning, and environmental studies.

HOW TO GET IN

HOW TO GET IN

DECLARING THE MAJOR

- Complete one calculus course, MATH 211, MATH 217, MATH 221 or MATH 222 (MATH 217, MATH 221 or MATH 222 for the Mathematical Emphasis option), and
- Complete any one ECON course (except ECON 100) at UW–Madison, and
- Achieve a 2.000 GPA in all ECON courses and major courses (i.e., calculus) at the time of declaration.

Students may not be declared in both the Economics major and the Certificate in Economic Analytics.

For instructions on how to declare the Economics major, visit https://econ.wisc.edu/undergraduate/declaring-an-econ-major/

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

OPTIONS IN THE MAJOR

The department offers two major options. Students may declare only one option and must complete all requirements including Residence and Quality of Work standards. Options are:

Option A: Economics provides a well-rounded major in economics that is valuable for employment following graduation, or subsequent graduate work in business, law, public policy, and related disciplines.

Option B: Economics—Mathematical Emphasis provides students with the mathematical and statistical background needed for in-depth study of the analytical aspects of economics. Its requirements are designed to prepare students for graduate study in economics and related fields, or for careers as professional economists in business or government. For specific Mathematical Emphasis requirements, see the section below (p. 678).

REQUIREMENTS FOR THE ECONOMICS MAJOR

MATH AND STATISTICS

Code	Title	Credits
Mathematics (complete one):		**5-10**
MATH 221	Calculus and Analytic Geometry 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211 & MATH 213	Survey of Calculus 1 and Survey of Calculus 2	
MATH 211 & ECON 205	Survey of Calculus 1 and Quantitative Tools for Economics	
Statistics (complete one):		**3-4**
ECON 310	Statistics: Measurement in Economics (Recommended)	
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 431	Introduction to the Theory of Probability	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 340	Data Science Modeling II	
Total Credits		**8-14**

ECONOMICS

30 credits to include:

Code	Title	Credits
Principles of Economics (complete one):		**4-8**
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Microeconomic Theory (complete one):		**3-4**
ECON 301	Intermediate Microeconomic Theory	
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment (Honors Econ)	
Macroeconomic Theory (complete one):		**3-4**
ECON 302	Intermediate Macroeconomic Theory	
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	
Two Core ECON courses: [1]		**6-8**
ECON 400	Introduction to Applied Econometrics	
ECON 409	Study Abroad in Advanced Economics	
ECON 410	Introductory Econometrics	
ECON 435	The Financial System	
ECON 441	Analytical Public Finance	
ECON 442	Macroeconomic Policy	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 455	Behavioral Economics	
ECON 458	Industrial Structure and Competitive Strategy	
ECON 460	Economic Forecasting	
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ECON 464	International Trade	
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ECON 475	Economics of Growth	
ECON/ FINANCE 503	Markets with Frictions	
ECON 521	Game Theory and Economic Analysis	
ECON 522	Law and Economics	
ECON/R M I 530	Insuring Life's Risks: Health, Aging, and Policy	
ECON 535	Experimental Economics	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 580	Honors Tutorial in Research Project Design	
ECON 621	Markets and Models	
ECON 623	Population Economics	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
ECON 690	Topics in Economics	
ECON 695	Topics in Economic Data Analysis	
Electives		**6-14**
Complete any Core econ course not used above or one of these courses:		
ECON/ FINANCE 300	Introduction to Finance	
ECON/ HIST SCI 305	Development of Economic Thought	
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process	
ECON 309	Study Abroad in Intermediate Economics	
ECON 315	Data Visualization for Economists	
ECON/ FINANCE 320	Investment Theory	
ECON 321	Sports Economics	
ECON 325	Economics of Race in the United States	
ECON 330	Money and Banking	
ECON 340	Microeconomics in Popular Culture	
ECON/A A E/ ENVIR ST 343	Environmental Economics	
ECON 350	The Chinese Economy	
ECON 355	The Economics of Growing-up and Getting Old	
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ECON 390	Contemporary Economic Issues	
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	
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ECON/ENVIR ST/ POLI SCI/ URB R PL 449	Government and Natural Resources	
ECON/A A E/ INTL BUS 462	Latin American Economic Development	
ECON 465	The American Economy to 1865	
ECON/ HISTORY 466	The American Economy Since 1865	
ECON/A A E 473	Economic Growth and Development in Southeast Asia	
ECON/A A E 474	Economic Problems of Developing Areas	
ECON/A A E 477	Agricultural and Economic Development in Africa	

ECON/ PHILOS 524	Philosophy and Economics
ECON/A A E 526	Quantitative Methods in Agricultural and Applied Economics
ECON/A A E/ F&W ECOL 531	Natural Resource Economics
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics
Total Credits	**30**

REQUIREMENT FOR THE MATHEMATICAL EMPHASIS:

View as listView as grid

- **ECONOMICS: MATHEMATICAL EMPHASIS (P. 673)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ECON and major courses
- 2.000 GPA on 15 upper-level major credits taken in residence[2]
- 15 credits in ECON, taken on the UW–Madison campus

HONORS IN THE ECONOMICS MAJOR

To participate in Honors in the Economics Major, students must be declared in the Mathematical Emphasis option. For further information, see the Mathematical Emphasis requirements (p. 673) and consult your Economics undergraduate advisor.

FOOTNOTES

[1] At least two core ECON courses must be taken in residence at UW–Madison, and not via transfer or a UW–Madison Study Abroad program.

[2] Intermediate and Advanced level ECON courses are Upper Level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the fundamental concepts of economics and how those concepts apply to real world issues.
2. Construct and evaluate economic models, their assumptions, and conclusions.
3. Acquire a diverse set of skills and strategies in mathematical reasoning/statistical and computational techniques/deductive logic/problem solving.
4. Use mathematics/computational/statistical techniques to analyze real world situations and policies.
5. Use economic analysis to critically evaluate public policy proposals.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Quantitative Reasoning A	4	ECON 101	4
Communication A	3	Ethnic Studies	3
Foreign Language	4	MATH 221	5
Physical Science Breadth	3	Foreign Language	4
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
ECON 102	4	ECON 301	4
Biological Science Breadth	3	ECON 310	4
Foreign Language	4	Humanities Breadth	4
Literature Breadth	3	Foreign Language	4
INTER-LS 210	1		
	15		**16**

Junior

Fall	Credits	Spring	Credits
ECON 302	4	Econometrics (ECON 400 or 410)	4

Economics elective or core econ course	4	Humanities Breadth	3
Literature Breadth	3	Communication B	4
Science Breadth	4	Elective	3
	15		**14**

Senior

Fall	Credits	Spring	Credits
Core econ course	4	Elective	4
Core course	4	Elective	4
Elective	3	Elective	4
Elective	4	Elective	3
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it —along with their DARS report, the Degree Planner, and Course Search & Enroll tools — to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. Students planning to graduate within three years with an Economics major should consult with an advisor (https://econ.wisc.edu/undergraduate/find-academic-advising/) as soon as possible, and should ideally be entering the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- ECON 101 Principles of Microeconomics
- Communication Part A
- Quantitative Reasoning Part A
- Placement into MATH 221 Calculus and Analytic Geometry 1
- 3 credits of Literature, 3 credits of Biological Science
- 3-4 units of foreign language

Summer coursework is not required to finish in three years, but students planning to finish in three years will find it easier if they take either an intermediate theory course during Summer One or an advanced elective during Summer Two.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	ECON 301	4	ECON 302	4
MATH 221	5	Communication B	4		
Literature Breadth	3	Biological Science Breadth	3		
Physical Science Breadth	3	Elective (Intermediate or Advanced level)	4		
	15		**15**		**4**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
ECON 310	4	ECON 400 or 410	4	Summer Internship (optional)	0
Core Econ Course or elective	3	Physical Science Breadth	3		
Ethnic Studies/ Humanities Breadth	4	Humanities Breadth	4		
Elective (Intermediate or Advanced level)	4	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	4		
	15		**15**		**0**

Third Year

Fall	Credits	Spring	Credits
Core econ Course	3	Electives (Intermediate or Advanced level)	12
Electives (Intermediate or Advanced level)	11		
	14		**12**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

Academic advising (https://econ.wisc.edu/undergraduate/find-academic-advising/), along with general information about the undergraduate major and coursework, is available in Room 7238 of the Social Science Building.

PREPARATION FOR PHD PROGRAMS IN ECONOMICS

Students interested in pursuing graduate study should pursue Option B (mathematical emphasis) and augment the standard curriculum with higher-level mathematics and statistics courses. These may include:

Code	Title	Credits
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	

MATH/STAT 310	Introduction to Probability and Mathematical Statistics II
MATH 421	The Theory of Single Variable Calculus
MATH/STAT 431	Introduction to the Theory of Probability
MATH 521	Analysis I
MATH 522	Analysis II
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes

It is important to consult early in the second year with the undergraduate advisor and/or the faculty member who directs the undergraduate program to design a plan of coursework.

DIRECTED STUDY

Directed Study (ECON 698, ECON 699) enables advanced students to pursue economic topics not covered in the regular course offerings. A student interested in Directed Study should prepare a research proposal and/or reading list; specific course requirements are arranged with an instructor who agrees to supervise the directed study project. Enrollment requires the consent of the instructor; a GPA of 3.00 or above in ECON; completion of ECON 301 Intermediate Microeconomic Theory and ECON 302 Intermediate Macroeconomic Theory; at least one CORE ECON course.
Any undergraduate Economics student considering a Directed Study should meet with an Economics undergraduate academic advisor often for consultation.

INTERNSHIPS

Students can earn 1 credit for approved internships appropriate to the study of economics under course ECON 228 Internship Economics. Students must enroll for ECON 228 in the same semester/session in which the internship is granted. Students should work a minimum of 100 hours per term. Prerequisites are declaration in the Economics major; a major GPA of 2.200 or higher; completion of at least four ECON courses at UW–Madison; completion of at least one Intermediate Theory course (ECON 301 Intermediate Microeconomic Theory or ECON 302 Intermediate Macroeconomic Theory); and departmental approval.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ECONOMICS: MATHEMATICAL EMPHASIS

REQUIREMENTS

REQUIREMENTS FOR THE MATHEMATICAL EMPHASIS

MATHEMATICS & STATISTICS

Code	Title	Credits
Mathematics		**15-16**
Option 1–four courses:		
MATH 221	Calculus and Analytic Geometry 1	
MATH 222	Calculus and Analytic Geometry 2	
MATH 234	Calculus--Functions of Several Variables	
MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
Option 2–Honors sequence:		
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
Statistics (1 course)		**3**
ECON 310	Statistics: Measurement in Economics (Recommended)	
ECON 410	Introductory Econometrics	
MATH/STAT 431	Introduction to the Theory of Probability	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 340	Data Science Modeling II	
Total Credits		**18-19**

ECONOMICS

30 credits to include:

Code	Title	Credits
Principles of Economics (complete one):		**4-8**
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Microeconomic Theory (complete one):		**3-4**

ECON 301	Intermediate Microeconomic Theory	
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment (Honors Econ)	
Macroeconomic Theory (complete one):		**3-4**
ECON 302	Intermediate Macroeconomic Theory	
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	
Introductory Econometrics		
ECON 410	Introductory Econometrics	
Three Core ECON courses: [1]		**6-12**
ECON 409	Study Abroad in Advanced Economics	
ECON 435	The Financial System	
ECON 441	Analytical Public Finance	
ECON 442	Macroeconomic Policy	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 455	Behavioral Economics	
ECON 458	Industrial Structure and Competitive Strategy	
ECON 460	Economic Forecasting	
ECON 461	International Macroeconomics	
ECON 464	International Trade	
ECON 467	International Industrial Organizations	
ECON 468	Industrial Organization and Imperfect Competition	
ECON 475	Economics of Growth	
ECON/ FINANCE 503	Markets with Frictions	
ECON 521	Game Theory and Economic Analysis	
ECON 522	Law and Economics	
ECON/R M I 530	Insuring Life's Risks: Health, Aging, and Policy	
ECON 535	Experimental Economics	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 580	Honors Tutorial in Research Project Design	
ECON 621	Markets and Models	
ECON 623	Population Economics	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
ECON 690	Topics in Economics	
ECON 695	Topics in Economic Data Analysis	
Electives		**0-10**

Complete any core ECON course (above) or one of these courses:		
ECON/ FINANCE 300	Introduction to Finance	
ECON/ HIST SCI 305	Development of Economic Thought	
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process	
ECON 309	Study Abroad in Intermediate Economics	
ECON 315	Data Visualization for Economists	
ECON/ FINANCE 320	Investment Theory	
ECON 321	Sports Economics	
ECON 325	Economics of Race in the United States	
ECON 330	Money and Banking	
ECON 340	Microeconomics in Popular Culture	
ECON/A A E/ ENVIR ST 343	Environmental Economics	
ECON 350	The Chinese Economy	
ECON 355	The Economics of Growing-up and Getting Old	
ECON 370	Economics of Poverty and Inequality	
ECON/A A E 371	Energy, Resources and Economics	
ECON 390	Contemporary Economic Issues	
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	
ECON/A A E 421	Economic Decision Analysis	
ECON/ENVIR ST/ POLI SCI/ URB R PL 449	Government and Natural Resources	
ECON/A A E/ INTL BUS 462	Latin American Economic Development	
ECON 465	The American Economy to 1865	
ECON/ HISTORY 466	The American Economy Since 1865	
ECON/A A E 473	Economic Growth and Development in Southeast Asia	
ECON/A A E 474	Economic Problems of Developing Areas	
ECON/A A E 477	Agricultural and Economic Development in Africa	
ECON/ PHILOS 524	Philosophy and Economics	
ECON/A A E 526	Quantitative Methods in Agricultural and Applied Economics	
ECON/A A E/ F&W ECOL 531	Natural Resource Economics	
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	
Total Credits		**24-26**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major and ECON courses
- 2.000 GPA on 15 upper-level major courses taken in residence[2]
- 15 credits in ECON, taken on the UW–Madison campus

HONORS IN THE MAJOR

REQUIREMENTS TO EARN HONORS IN THE ECONOMICS MAJOR

To earn Honors in the Major in Economics, students must be declared in and satisfy the requirements for the Economics–Mathematical Emphasis Option (above), **and** satisfy the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all ECON and major courses
- Complete the following courses, taken for Honors, with grades of B or better in each:

Code	Title	Credits
ECON 311 & ECON 312	Intermediate Microeconomic Theory - Advanced Treatment and Intermediate Macroeconomic Theory - Advanced Treatment	
ECON 580	Honors Tutorial in Research Project Design	
Select one of the following capstone experiences:		
ECON 581	Honors Thesis	
ECON 681 & ECON 682	Senior Honors Thesis and Senior Honors Thesis (Take for a total of 6 credits)	

FOOTNOTES

[1] At least two core ECON courses must be taken in residence at UW–Madison, and not via transfer or a UW–Madison Study Abroad program.

[2] Intermediate and Advanced level ECON courses are Upper Level in the major.

ENGLISH

The English major teaches students to appreciate and use the English language and literature effectively for critical thinking, effective communication, citizenship, and career success. Students in the major build strong writing skills and engage in high-level critical and analytical thinking. They encounter enriching, enduring, experimental, and complex works of literature. And they grapple with perspectives far distant from their own, examining their deepest values. Instructors introduce students to a wide range of genres and cultural perspectives, and pay close attention to all aspects of student thinking and writing, from logic and evidence to originality and style. Fostering communication skills, stimulating creativity, developing cultural sensitivity, and sharpening analytical abilities, the English major prepares students for a broad range of careers.

The English major has the choice of three tracks: the general major (which emphasizes literary and cultural studies), and the named options of Creative Writing or Language and Linguistics. All students take a core curriculum that introduces them to a range of approaches to literature and language, including courses in literary and cultural history. Students who opt for the general major build on core courses with intermediate and advanced classes that focus on texts from across a range of periods and places, investigating literature and culture using multiple methods and approaches. Students pursuing the Creative Writing option take the core curriculum with a sequence of creative-writing workshops. Students wishing to emphasize Language and Linguistics choose courses in grammar, the history of the English language, phonology, and language acquisition.

TEACHING MAJOR

Those who wish to prepare for teaching careers at the secondary level should complete the undergraduate English major and then apply for a teaching certificate or graduate education program. For further information, students should make an appointment with the undergraduate advisor in English or the graduate advisor in curriculum and instruction.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- English, BA (p. 682)
- English, BS (p. 691)
- Teaching English to Speakers of Other Languages, Certificate (p. 699)

ENGLISH, BA

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in grammar, the history of the English language, phonology, and language acquisition.

TEACHING MAJOR

Those who wish to prepare for teaching careers at the secondary level should complete the undergraduate English major and then apply for a teaching certificate or graduate education program. For further information, students should make an appointment with the undergraduate advisor in English or the graduate advisor in curriculum and instruction.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

30 credits in intermediate- and advanced-level ENGL courses numbered 204 and higher, excluding ENGL 207 and ENGL 236.

ENGLISH (LITERATURE)

Code	Title	Credits
Survey of Literature		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
American Literature (1 course)		**3**
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	
ENGL 243	American Literary Cultures	
ENGL/ GEN&WS 248	Women in Ethnic American Literature	
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	
ENGL 361	Modern and Contemporary American Literature	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL 374	African and African Diaspora Literature and Culture	
ENGL 455	A Study of an Outstanding Figure or Figures in American Literature	
ENGL 456	Topic in Nineteenth-Century American Literature and Culture	
ENGL 457	Topic in American Literature and Culture since 1900	
ENGL 458	Major American Writer or Writers	
ENGL 459	Three American Novelists	
ENGL 461	Topics in Ethnic and Multicultural Literature	
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	
ENGL/ ASIAN AM 465	Asian American Poetry	
ENGL 474	Topic in Contemporary Literature	
ENGL/ JEWISH 539	Jewish Literatures in Diaspora	
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	
Pre-1800 course (two courses)		**6**
You may take only one Shakespeare course:		
ENGL 220	Shakespearean Drama	
ENGL 431	Early Works of Shakespeare	
ENGL 432	Later Works of Shakespeare	
You must take at least one course that is not Shakespeare:		
ENGL 328	The Sixteenth Century	
ENGL 334	Eighteenth Century Literature and Culture	
ENGL 335	Stage and Page in the Long Eighteenth Century	
ENGL 336	Eighteenth-Century Novel	
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	
ENGL 422	Outstanding Figure(s) in Literature before 1800	
ENGL/ MEDIEVAL 423	Topic in Medieval Literature and Culture	
ENGL/ MEDIEVAL 424	Medieval Drama	
ENGL/ MEDIEVAL 425	Medieval Romance	
ENGL/ MEDIEVAL 426	Chaucers Courtly Poetry	
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales	
ENGL 430	Topic in Early Modern Literature and Culture	
ENGL 433	Spenser	
ENGL/ RELIG ST 434	Milton	
ENGL 438	Topic in Eighteenth-Century Literature and Culture	
ENGL/ MEDIEVAL 520	Old English	
ENGL/ MEDIEVAL 521	Advanced Old English Literature	
ENGL 543	Discourses of Disability, Antiquity to 1800	
ENGL 546	Topic in Travel Writing before 1800	
Seminar		
ENGL 245	Seminar in the Major	3
Language or Composition Rhetoric (1 course)		**3**
ENGL 204	Introduction to Rhetoric and Writing Studies	
ENGL 214	The English Language	
ENGL 304	History and Theory of Rhetoric and Writing Studies	
ENGL 400	Advanced Composition	
ENGL/ GEN&WS 401	Race, Sex, and Texts (How to do things with writing)	
ENGL 403	Seminar on Tutoring Writing Across the Curriculum	

ENGL 505	Topics in Composition and Rhetoric	
Electives		**9**
Any ENGL course at the Intermediate or Advanced level, excluding ENGL 207 and ENGL 236		
Total Credits		**30**

NAMED OPTIONS

Students may complete a named option, instead of the traditional English major. These are formally printed on the transcript.

View as listView as grid

- **ENGLISH: EMPHASIS ON CREATIVE WRITING (P. 687)**
- **ENGLISH: ENGLISH LANGUAGE AND LINGUISTICS (P. 688)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ENGL courses and all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, taken in residence[1]
- 15 credits in ENGL, taken on the UW–Madison campus

[1] Intermediate and Advanced level ENGL courses are considered upper level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the English major with permission of the major advisor. All English majors, including those declared in either named option, are eligible to complete Honors in the major.

HONORS IN THE ENGLISH MAJOR REQUIREMENTS

To earn Honors in the Major in English, students must satisfy both the requirements for the major and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all ENGL courses and all major courses
- Complete 12 credits, taken for Honors, with a grade of B or better to include:
  - ENGL 245 and
  - Either:
    - a two-semester Senior Honors Thesis in ENGL 681 and ENGL 682 for a total of 6 credits, or
    - a senior Honors project that includes ENGL 680 and one other 3-credit I/A ENGL course taken for Honors OR
    - ENGL 695 and one other ENGL Creative Writing Workshop taken for Honors

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (History of literature and language) To demonstrate knowledge of major forms, techniques, social conditions, values, and genres that have shaped the history of English literature and language.
2. (Critical thinking) To be able to discern and integrate divergent and contradictory perspectives, identify and question assumptions, and assess evidence and methods.
3. (Creativity) To generate original ideas and texts, experimenting and taking risks, solving problems, and answering questions in a range of genres and media.
4. (Critical writing) To write original, coherent, and compelling arguments that push beyond summary to analysis and independent and critical thinking in clear prose that meets expectations for grammatical correctness.
5. (Citizenship) To develop empathy by learning about the experiences of others, and to gain an understanding of how we participate in communities (including the classroom) and the public sphere.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A (complete during your first year)	3	Ethnic Studies	3
Quantitative Reasoning A (complete during your first year)	3	Foreign Language (if required)	4
Foreign Language	4	Social Science Breadth	3
Social Science Breadth	4	Physical Science Breadth	3
		Elective	3
	14		**16**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	4	ENGL 201 or 207 (COM-B)	3
ENGL 241	3	ENGL 242	3
ENGL 245	3	English Language or Composition/Rhetoric Requirement	3
Social Science Breadth	3-4	Social Science Breadth	3
INTER-LS 210	1	Biological Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)[1]		Pre-1800 Literature Requirement	3
Natural Science Breadth	3	English I/A Elective	3
Elective	3	Natural Science Breadth	3
American Literature	3	Elective	3
Pre-1800 Literature Requirement[2]	3	Elective	3
Elective	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
English I/A Elective	3	English I/A Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

FOOTNOTES

1. Students must declare a major before 86 credits.
2. See your major advisor if you want to declare English/Creative Writing, Honors in the English major, or plan to study abroad.

Please refer to the Requirements tab in Guide for additional College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with an English major should enter the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 combined credits of Humanities, Social Science, and Natural Science coursework
- 3-4 units of foreign language

First Year

Fall	Credits	Spring	Credits
Ethnic Studies	3	ENGL 201 or 207 (meets Communication B)	3
Literature Breadth	3	ENGL 241 or 242	3
Science Breadth	3	Physical Science Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Foreign Language (if interested in retroactive credit or to reach 4 units) or Elective	3	Elective	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
ENGL 241 or 242	3	Pre-1800 Literature course	3
ENGL 245	3	ENGL Elective	3
English Language or Composition & Rhetoric course	3	Social Science Breadth or Elective (Intermediate or Advanced level)	3
Quantitative Reasoning B (if BA) or Elective (if BS)	3	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	3
Social Science Breadth	3	Elective (Intermediate or Advanced level)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
American Literature course	3	ENGL Elective	3
Pre-1800 Literature course	3	ENGL Elective	3
Biological Science Breadth	3	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	3
Science Breadth or Elective	3	Electives (Intermediate or Advanced level)	6
Elective (Intermediate or Advanced level)	3		
	15		**15**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the English website (https://english.wisc.edu/undergraduate/major/declaring/).

ACADEMIC ADVISING

The English Department supports majors and prospective majors by offering a comprehensive advising team based on your personal interests. You will find us on the 7th floor of the Helen C. White Building (https://map.wisc.edu/s/6nfnztsa/) next to Memorial Union. Our team is here to support students holistically as they navigate their time at UW–Madison. To meet our advisors, visit our undergraduate advising page (https://english.wisc.edu/undergraduate/undergraduate-advising/) for more information, including how to schedule an appointment.

CAREERS AND INTERNSHIP ADVISOR

Career & Internship Coordinator
careers@english.wisc.edu (Career & Internship Coordinator careers@english.wisc.edu)
7195E Helen C. White, 600 North Park Street
English Career Advising (https://english.wisc.edu/undergraduate/undergraduate-advising/)

The English Department encourages our students to begin working on their career exploration and preparation soon after declaring the major. Our career advisor also partners with SuccessWorks at the College of Letters & Science.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

WRITING CENTER

The Writing Center (https://writing.wisc.edu), located in 6171 Helen C. White Hall, offers free individualized help with writing. Students are welcome to come to the Center for help with writing assignments in almost any course. In half-hour tutorials, instructors help students clarify and organize ideas and offer advice about revising a draft. The center also offers short-term classes on various facets of writing, including classes on writing about literature, writing research papers, writing book reviews, writing essay exams, and on many other topics. The Writing Center also has a computer lab.

To make an appointment, students should call 608-263-1992 or stop by when the Writing Center is open. During busy times of the semester, the Center often is booked several days in advance, so students should plan ahead. For complete information about the center, including hours, schedules for writing assistance in the Multicultural Student Center and residence halls, extensive handouts about writing, and information about the Undergraduate Writing Fellows program, see the Center website (https://writing.wisc.edu).

SCHOLARSHIPS AND WRITING PRIZES

The English Department is proud to offer numerous forms of support for its undergraduate students and to recognize exceptional accomplishments in various forms of academic and creative work. You can find information about scholarships, prizes, and grants specifically designated for declared English majors on our website (https://english.wisc.edu/undergraduate/apply-for-scholarships/). Typically, these prizes and scholarships are awarded in the spring semester. Applications need to be submitted online, via the Wisconsin Scholarship Hub (WISH) (https://wisc.academicworks.com/).

ENGLISH: EMPHASIS ON CREATIVE WRITING

REQUIREMENTS

REQUIREMENTS

ENGLISH, CREATIVE WRITING OPTION

NOTE: This is a formal Option and will appear on the transcript.

L&S undergraduates with a particular interest in creative writing may combine a background in literature with a concentration of courses in fiction or poetry writing. The major requirements are distributed as follows:

Code	Title	Credits
Survey of Literature		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
American Literature (1 course)		**3**
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	
ENGL 243	American Literary Cultures	
ENGL/ GEN&WS 248	Women in Ethnic American Literature	
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	
ENGL 361	Modern and Contemporary American Literature	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL 374	African and African Diaspora Literature and Culture	
ENGL 455	A Study of an Outstanding Figure or Figures in American Literature	
ENGL 456	Topic in Nineteenth-Century American Literature and Culture	
ENGL 457	Topic in American Literature and Culture since 1900	
ENGL 458	Major American Writer or Writers	
ENGL 459	Three American Novelists	
ENGL 461	Topics in Ethnic and Multicultural Literature	
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	
ENGL/ ASIAN AM 465	Asian American Poetry	
ENGL 474	Topic in Contemporary Literature	
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	
Seminar (1 course)		
ENGL 245	Seminar in the Major	3
Language or Composition Rhetoric (1 course)		**3**
ENGL 204	Introduction to Rhetoric and Writing Studies	
ENGL 214	The English Language	
ENGL 304	History and Theory of Rhetoric and Writing Studies	
ENGL 400	Advanced Composition	
ENGL 403	Seminar on Tutoring Writing Across the Curriculum	
ENGL 505	Topics in Composition and Rhetoric	
Creative Writing Workshops (3 courses) [1]		**9**
ENGL 307	Creative Writing: Fiction and Poetry Workshop	
ENGL 407	Creative Writing: Nonfiction Workshop	
ENGL 408	Creative Writing: Fiction Workshop	
ENGL 409	Creative Writing: Poetry Workshop	
ENGL 410	Creative Writing: Playwriting Workshop	
ENGL 411	Creative Writing: Special Topics Workshop	
ENGL 508	Creative Writing: Advanced Fiction Workshop	
ENGL 509	Creative Writing: Advanced Poetry Workshop	
Directed Creative Writing (1 course)		
ENGL 695	Directed Creative Writing	3
Electives		**3**
Any ENGL course at the Intermediate or Advanced level, excluding ENGL 207 and ENGL 236.		
Total Credits		**30**

[1] Workshops numbered 400 and higher may be repeated for credit. Students are allowed to take only one creative writing workshop per semester. All three required workshops must be completed prior to beginning the Directed Creative Writing course (ENGL 695).

ENGLISH: ENGLISH LANGUAGE AND LINGUISTICS

REQUIREMENTS

ENGLISH, ENGLISH LANGUAGE AND LINGUISTICS OPTION

NOTE: This is a formal Option and will appear on the transcript.

L&S undergraduates with a particular interest in English Language and Linguistics may combine a background in literature with a concentration of courses in the option. The major requirements are distributed as follows:

Code	Title	Credits
Survey of Literature		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
American Literature (1 course)		**3**
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	
ENGL 243	American Literary Cultures	
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	

ENGL 361	Modern and Contemporary American Literature	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL 374	African and African Diaspora Literature and Culture	
ENGL 455	A Study of an Outstanding Figure or Figures in American Literature	
ENGL 456	Topic in Nineteenth-Century American Literature and Culture	
ENGL 457	Topic in American Literature and Culture since 1900	
ENGL 458	Major American Writer or Writers	
ENGL 459	Three American Novelists	
ENGL 461	Topics in Ethnic and Multicultural Literature	
ENGL/ ASIAN AM 462	Topic in Asian American Literature	
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	
ENGL/ ASIAN AM 465	Asian American Poetry	
ENGL 474	Topic in Contemporary Literature	
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	
English Seminar		
ENGL 245	Seminar in the Major	3
Language or Composition Rhetoric		
ENGL 214	The English Language	3
English Language and Linguistics Courses		
ENGL 314	Structure of English	3
ENGL 315	English Phonology	3
ENGL 514	English Syntax	3
or ENGL 516	English Grammar in Use	
Electives		**6**
ENGL 204	Introduction to Rhetoric and Writing Studies	
ENGL 220	Shakespearean Drama	
ENGL 224	Introduction to Poetry	
ENGL/ GEN&WS 248	Women in Ethnic American Literature	
ENGL 279	Topics in English, Study Abroad - Literature	
ENGL 304	History and Theory of Rhetoric and Writing Studies	
ENGL/ ENVIR ST 305	Rhetoric, Science, and Public Engagement	
ENGL 307	Creative Writing: Fiction and Poetry Workshop	
ENGL 316	English Language Variation in the U.S.	
ENGL 318	Second Language Acquisition	
ENGL 319	Language, Race, and Identity	
ENGL 320	Linguistic Theory and Child Language	
ENGL 328	The Sixteenth Century	
ENGL 334	Eighteenth Century Literature and Culture	
ENGL 335	Stage and Page in the Long Eighteenth Century	
ENGL 336	Eighteenth-Century Novel	
ENGL 340	Romantic Literature and Culture	
ENGL 345	Nineteenth-Century Novel	
ENGL/ GEN&WS 350	Special Topics in Gender & Literature	
ENGL 351	Modernist Novel	
ENGL 352	Modernist Poetry	
ENGL 353	British Literature since 1900	
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	
ENGL 373	Contemporary Poetry	
ENGL 375	Literatures of Migration and Diaspora	
ENGL 376	Literature and Animal Studies	
ENGL 379	Postcolonial and World Literature	
ENGL 400	Advanced Composition	
ENGL/ GEN&WS 401	Race, Sex, and Texts (How to do things with writing)	
ENGL 403	Seminar on Tutoring Writing Across the Curriculum	
ENGL 407	Creative Writing: Nonfiction Workshop	
ENGL 408	Creative Writing: Fiction Workshop	
ENGL 409	Creative Writing: Poetry Workshop	
ENGL 410	Creative Writing: Playwriting Workshop	
ENGL 411	Creative Writing: Special Topics Workshop	
ENGL 413	English Words: Grammar, Culture, Mind	
ENGL 414	Global Spread of English	
ENGL 415	Introduction to TESOL Methods	
ENGL 416	English in Society	
ENGL 417	History of the English Language	
ENGL 420	Topics in English Language and Linguistics	
ENGL 422	Outstanding Figure(s) in Literature before 1800	
ENGL/ MEDIEVAL 423	Topic in Medieval Literature and Culture	
ENGL/ MEDIEVAL 424	Medieval Drama	
ENGL/ MEDIEVAL 425	Medieval Romance	
ENGL/ MEDIEVAL 426	Chaucers Courtly Poetry	
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales	

ENGL 430	Topic in Early Modern Literature and Culture
ENGL 431	Early Works of Shakespeare
ENGL 432	Later Works of Shakespeare
ENGL 433	Spenser
ENGL/ RELIG ST 434	Milton
ENGL 438	Topic in Eighteenth-Century Literature and Culture
ENGL 443	Outstanding Figure(s) in Literature since 1800
ENGL 444	Topic in Romantic or Victorian Literature and Culture
ENGL 453	Topic in British Literature and Culture since 1900
ENGL 454	James Joyce
ENGL 469	Interdisciplinary Studies in the Arts
ENGL 473	Topic in Postcolonial or World Literature
ENGL/ THEATRE 477	Diaspora and Theatre
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ENGL 505	Topics in Composition and Rhetoric
ENGL 508	Creative Writing: Advanced Fiction Workshop
ENGL 516	English Grammar in Use
ENGL/ MEDIEVAL 520	Old English
ENGL/ MEDIEVAL 521	Advanced Old English Literature
ENGL/HIST SCI/ MED HIST 525	Health and the Humanities
ENGL/ ENVIR ST 533	Topic in Literature and the Environment
ENGL/ JEWISH 539	Jewish Literatures in Diaspora
ENGL 543	Discourses of Disability, Antiquity to 1800
ENGL 546	Topic in Travel Writing before 1800
ENGL 548	Topic in Literature and Politics
ENGL 559	Topic in Literary or Cultural Theory
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 576	Survey: Theories of Drama
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENGL/ THEATRE 578	Modern American Drama and Theatre
ENGL 622	Topics in English: Study Abroad
ENGL 656	Theatre of the Avant-Garde, 1850-1950
ENGL 680	Honors Project
ENGL 681	Senior Honors Thesis in the Major
ENGL 682	Senior Honors Thesis in the Major
ENGL 691	Senior Thesis
ENGL 692	Senior Thesis
ENGL 695	Directed Creative Writing
ENGL 699	Directed Study
Total Credits	**30**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Foreign Language (if needed)	4	Foreign Languge (if needed)	4
Social Science Breadth	4	Social Science Breadth	3
Communications A (complete during your first year)	3	Physical Science Breadth	3
Quantitative Reasoning A (complete during your first year)	3	Ethnic Studies	3
		Elective	3
	14		**16**

Second Year

Fall	Credits	Spring	Credits
ENGL 241	3	ENGL 242	3
ENGL 245	3	ENGL 201 or 207 (Communication B)	3
Social Science Breadth	4	Social Science Breadth	3
Quantitative Reasoning B	4	Biological Science Breadth	3
INTER-LS 210	1	Elective	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)[1]		ENGL 314	3
ENGL 214[2]	3	English I/A Elective	3
American Literature	3	Science Breadth	3
Science Breadth	3	Electives	6
Electives	6		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
ENGL 315		3 English I/A Elective	3
ENGL 514 or 516[3]		3 Electives	12
Electives	9		
	15		**15**

Total Credits 120

1 Students must declare a major before 86 credits.
2 See your major advisor if you want to declare Honors in the English major or plan to study abroad.
3 ENGL 514 and ENGL 516 are offered in alternating years.

Please refer to the Requirements tab (p. 683) in Guide for additional College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

ENGLISH, BS

The English major teaches students to appreciate and use the English language and literature effectively for critical thinking, effective communication, citizenship, and career success. Students in the major build strong writing skills and engage in high-level critical and analytical thinking. They encounter enriching, enduring, experimental, and complex works of literature. And they grapple with perspectives far distant from their own, examining their deepest values. Instructors introduce students to a wide range of genres and cultural perspectives, and pay close attention to all aspects of student thinking and writing, from logic and evidence to originality and style. Fostering communication skills, stimulating creativity, developing cultural sensitivity, and sharpening analytical abilities, the English major prepares students for a broad range of careers.

The English major has the choice of three tracks: the general major (which emphasizes literary and cultural studies), and the named options of Creative Writing or Language and Linguistics. All students take a core curriculum that introduces them to a range of approaches to literature and language, including courses in literary and cultural history. Students who opt for the general major build on core courses with intermediate and advanced classes that focus on texts from across a range of periods and places, investigating literature and culture using multiple methods and approaches. Students pursuing the Creative Writing option take the core curriculum with a sequence of creative-writing workshops. Students wishing to emphasize Language and Linguistics choose courses in grammar, the history of the English language, phonology, and language acquisition.

TEACHING MAJOR

Those who wish to prepare for teaching careers at the secondary level should complete the undergraduate English major and then apply for a teaching certificate or graduate education program. For further information, students should make an appointment with the undergraduate advisor in English or the graduate advisor in curriculum and instruction.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of

Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

30 credits in intermediate- and advanced-level ENGL courses numbered 204 and higher, excluding ENGL 207 and ENGL 236.

ENGLISH (LITERATURE)

Code	Title	Credits
Survey of Literature		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
American Literature (1 course)		**3**
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	
ENGL 243	American Literary Cultures	
ENGL/ GEN&WS 248	Women in Ethnic American Literature	
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	
ENGL 361	Modern and Contemporary American Literature	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL 374	African and African Diaspora Literature and Culture	
ENGL 455	A Study of an Outstanding Figure or Figures in American Literature	
ENGL 456	Topic in Nineteenth-Century American Literature and Culture	
ENGL 457	Topic in American Literature and Culture since 1900	
ENGL 458	Major American Writer or Writers	
ENGL 459	Three American Novelists	
ENGL 461	Topics in Ethnic and Multicultural Literature	
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	
ENGL/ ASIAN AM 465	Asian American Poetry	
ENGL 474	Topic in Contemporary Literature	
ENGL/ JEWISH 539	Jewish Literatures in Diaspora	
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	
Pre-1800 course (two courses)		**6**
You may take only one Shakespeare course:		
ENGL 220	Shakespearean Drama	
ENGL 431	Early Works of Shakespeare	
ENGL 432	Later Works of Shakespeare	
You must take at least one course that is not Shakespeare:		
ENGL 328	The Sixteenth Century	
ENGL 334	Eighteenth Century Literature and Culture	
ENGL 335	Stage and Page in the Long Eighteenth Century	
ENGL 336	Eighteenth-Century Novel	
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	
ENGL 422	Outstanding Figure(s) in Literature before 1800	
ENGL/ MEDIEVAL 423	Topic in Medieval Literature and Culture	
ENGL/ MEDIEVAL 424	Medieval Drama	
ENGL/ MEDIEVAL 425	Medieval Romance	
ENGL/ MEDIEVAL 426	Chaucers Courtly Poetry	
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales	

ENGL 430	Topic in Early Modern Literature and Culture	
ENGL 433	Spenser	
ENGL/ RELIG ST 434	Milton	
ENGL 438	Topic in Eighteenth-Century Literature and Culture	
ENGL/ MEDIEVAL 520	Old English	
ENGL/ MEDIEVAL 521	Advanced Old English Literature	
ENGL 543	Discourses of Disability, Antiquity to 1800	
ENGL 546	Topic in Travel Writing before 1800	
Seminar		
ENGL 245	Seminar in the Major	3
Language or Composition Rhetoric (1 course)		**3**
ENGL 204	Introduction to Rhetoric and Writing Studies	
ENGL 214	The English Language	
ENGL 304	History and Theory of Rhetoric and Writing Studies	
ENGL 400	Advanced Composition	
ENGL/ GEN&WS 401	Race, Sex, and Texts (How to do things with writing)	
ENGL 403	Seminar on Tutoring Writing Across the Curriculum	
ENGL 505	Topics in Composition and Rhetoric	
Electives		**9**
Any ENGL course at the Intermediate or Advanced level, excluding ENGL 207 and ENGL 236		
Total Credits		**30**

NAMED OPTIONS

Students may complete a named option, instead of the traditional English major. These are formally printed on the transcript.

View as listView as grid

- **ENGLISH: EMPHASIS ON CREATIVE WRITING (P. 687)**
- **ENGLISH: ENGLISH LANGUAGE AND LINGUISTICS (P. 688)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ENGL courses and all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, taken in residence[1]
- 15 credits in ENGL, taken on the UW–Madison campus

[1] Intermediate and Advanced level ENGL courses are considered upper level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the English major with permission of the major advisor. All English majors, including those declared in either named option, are eligible to complete Honors in the major.

HONORS IN THE ENGLISH MAJOR REQUIREMENTS

To earn Honors in the Major in English, students must satisfy both the requirements for the major and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all ENGL courses and all major courses
- Complete 12 credits, taken for Honors, with a grade of B or better to include:
  - ENGL 245 and
  - Either:
    - a two-semester Senior Honors Thesis in ENGL 681 and ENGL 682 for a total of 6 credits, or
    - a senior Honors project that includes ENGL 680 and one other 3-credit I/A ENGL course taken for Honors OR
    - ENGL 695 and one other ENGL Creative Writing Workshop taken for Honors

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (History of literature and language) To demonstrate knowledge of major forms, techniques, social conditions, values, and genres that have shaped the history of English literature and language.
2. (Critical thinking) To be able to discern and integrate divergent and contradictory perspectives, identify and question assumptions, and assess evidence and methods.
3. (Creativity) To generate original ideas and texts, experimenting and taking risks, solving problems, and answering questions in a range of genres and media.

4. (Critical writing) To write original, coherent, and compelling arguments that push beyond summary to analysis and independent and critical thinking in clear prose that meets expectations for grammatical correctness.
5. (Citizenship) To develop empathy by learning about the experiences of others, and to gain an understanding of how we participate in communities (including the classroom) and the public sphere.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A (complete during your first year)	3	Ethnic Studies	3
Quantitative Reasoning A (complete during your first year)	3	Foreign Language (if required)	4
Foreign Language	4	Social Science Breadth	3
Social Science Breadth	4	Physical Science Breadth	3
		Elective	3
	14		**16**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	4	ENGL 201 or 207 (COM-B)	3
ENGL 241	3	ENGL 242	3
ENGL 245	3	English Language or Composition/Rhetoric Requirement	3
Social Science Breadth	3-4	Social Science Breadth	3
INTER-LS 210	1	Biological Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)[1]		Pre-1800 Literature Requirement	3
Natural Science Breadth	3	English I/A Elective	3
Elective	3	Natural Science Breadth	3
American Literature	3	Elective	3
Pre-1800 Literature Requirement[2]	3	Elective	3
Elective	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
English I/A Elective	3	English I/A Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

FOOTNOTES

1 Students must declare a major before 86 credits.
2 See your major advisor if you want to declare English/Creative Writing, Honors in the English major, or plan to study abroad.

Please refer to the Requirements tab in Guide for additional College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with an English major should enter the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 combined credits of Humanities, Social Science, and Natural Science coursework
- 3-4 units of foreign language

First Year

Fall	Credits	Spring	Credits
Ethnic Studies	3	ENGL 201 or 207 (meets Communication B)	3
Literature Breadth	3	ENGL 241 or 242	3
Science Breadth	3	Physical Science Breadth	3
Social Science Breadth	3	Social Science Breadth	3

Foreign Language (if interested in retroactive credit or to reach 4 units) or Elective	3	Elective	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
ENGL 241 or 242	3	Pre-1800 Literature course	3
ENGL 245	3	ENGL Elective	3
English Language or Composition & Rhetoric course	3	Social Science Breadth or Elective (Intermediate or Advanced level)	3
Quantitative Reasoning B (if BA) or Elective (if BS)	3	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	3
Social Science Breadth	3	Elective (Intermediate or Advanced level)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
American Literature course	3	ENGL Elective	3
Pre-1800 Literature course	3	ENGL Elective	3
Biological Science Breadth	3	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	3
Science Breadth or Elective	3	Electives (Intermediate or Advanced level)	6
Elective (Intermediate or Advanced level)	3		
	15		**15**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the English website (https://english.wisc.edu/undergraduate/major/declaring/).

ACADEMIC ADVISING

The English Department supports majors and prospective majors by offering a comprehensive advising team based on your personal interests. You will find us on the 7th floor of the Helen C. White Building (https://map.wisc.edu/s/6nfnztsa/) next to Memorial Union. Our team is here to support students holistically as they navigate their time at UW–Madison. To meet our advisors, visit our undergraduate advising page (https://english.wisc.edu/undergraduate/undergraduate-advising/) for more information, including how to schedule an appointment.

CAREERS AND INTERNSHIP ADVISOR

Career & Internship Coordinator
careers@english.wisc.edu (Career & Internship Coordinator careers@english.wisc.edu)
7195E Helen C. White, 600 North Park Street
English Career Advising (https://english.wisc.edu/undergraduate/undergraduate-advising/)

The English Department encourages our students to begin working on their career exploration and preparation soon after declaring the major. Our career advisor also partners with SuccessWorks at the College of Letters & Science.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

WRITING CENTER

The Writing Center (https://writing.wisc.edu), located in 6171 Helen C. White Hall, offers free individualized help with writing. Students are welcome to come to the Center for help with writing assignments in almost any course. In half-hour tutorials, instructors help students clarify and organize ideas and offer advice about revising a draft. The center also offers short-term classes on various facets of writing, including classes on writing about literature, writing research papers, writing book reviews, writing essay exams, and on many other topics. The Writing Center also has a computer lab.

To make an appointment, students should call 608-263-1992 or stop by when the Writing Center is open. During busy times of the semester, the Center often is booked several days in advance, so students should plan ahead. For complete information about the center, including hours, schedules for writing assistance in the Multicultural Student Center and residence halls, extensive handouts about writing, and information about the Undergraduate Writing Fellows program, see the Center website (https://writing.wisc.edu).

SCHOLARSHIPS AND WRITING PRIZES

The English Department is proud to offer numerous forms of support for its undergraduate students and to recognize exceptional accomplishments in various forms of academic and creative work. You can find information about scholarships, prizes, and grants specifically designated for declared English majors on our website (https://english.wisc.edu/undergraduate/apply-for-scholarships/). Typically, these prizes and scholarships are awarded in the spring semester. Applications need to be submitted online, via the Wisconsin Scholarship Hub (WISH) (https://wisc.academicworks.com/).

ENGLISH: EMPHASIS ON CREATIVE WRITING

REQUIREMENTS

REQUIREMENTS

ENGLISH, CREATIVE WRITING OPTION

NOTE: This is a formal Option and will appear on the transcript.

L&S undergraduates with a particular interest in creative writing may combine a background in literature with a concentration of courses in fiction or poetry writing. The major requirements are distributed as follows:

Code	Title	Credits
Survey of Literature		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
American Literature (1 course)		**3**
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	
ENGL 243	American Literary Cultures	
ENGL/ GEN&WS 248	Women in Ethnic American Literature	
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	
ENGL 361	Modern and Contemporary American Literature	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL 374	African and African Diaspora Literature and Culture	
ENGL 455	A Study of an Outstanding Figure or Figures in American Literature	
ENGL 456	Topic in Nineteenth-Century American Literature and Culture	
ENGL 457	Topic in American Literature and Culture since 1900	
ENGL 458	Major American Writer or Writers	
ENGL 459	Three American Novelists	
ENGL 461	Topics in Ethnic and Multicultural Literature	
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	
ENGL/ ASIAN AM 465	Asian American Poetry	
ENGL 474	Topic in Contemporary Literature	
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	
Seminar (1 course)		
ENGL 245	Seminar in the Major	3
Language or Composition Rhetoric (1 course)		**3**
ENGL 204	Introduction to Rhetoric and Writing Studies	
ENGL 214	The English Language	
ENGL 304	History and Theory of Rhetoric and Writing Studies	
ENGL 400	Advanced Composition	
ENGL 403	Seminar on Tutoring Writing Across the Curriculum	
ENGL 505	Topics in Composition and Rhetoric	
Creative Writing Workshops (3 courses) [1]		**9**
ENGL 307	Creative Writing: Fiction and Poetry Workshop	
ENGL 407	Creative Writing: Nonfiction Workshop	
ENGL 408	Creative Writing: Fiction Workshop	
ENGL 409	Creative Writing: Poetry Workshop	
ENGL 410	Creative Writing: Playwriting Workshop	
ENGL 411	Creative Writing: Special Topics Workshop	
ENGL 508	Creative Writing: Advanced Fiction Workshop	
ENGL 509	Creative Writing: Advanced Poetry Workshop	
Directed Creative Writing (1 course)		
ENGL 695	Directed Creative Writing	3
Electives		**3**
Any ENGL course at the Intermediate or Advanced level, excluding ENGL 207 and ENGL 236.		
Total Credits		**30**

[1] Workshops numbered 400 and higher may be repeated for credit. Students are allowed to take only one creative writing workshop per semester. All three required workshops must be completed prior to beginning the Directed Creative Writing course (ENGL 695).

ENGLISH: ENGLISH LANGUAGE AND LINGUISTICS

REQUIREMENTS

ENGLISH, ENGLISH LANGUAGE AND LINGUISTICS OPTION

NOTE: This is a formal Option and will appear on the transcript.

L&S undergraduates with a particular interest in English Language and Linguistics may combine a background in literature with a concentration of courses in the option. The major requirements are distributed as follows:

Code	Title	Credits
Survey of Literature		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
American Literature (1 course)		**3**
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	
ENGL 243	American Literary Cultures	
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	
ENGL 361	Modern and Contemporary American Literature	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL 374	African and African Diaspora Literature and Culture	
ENGL 455	A Study of an Outstanding Figure or Figures in American Literature	
ENGL 456	Topic in Nineteenth-Century American Literature and Culture	
ENGL 457	Topic in American Literature and Culture since 1900	
ENGL 458	Major American Writer or Writers	
ENGL 459	Three American Novelists	
ENGL 461	Topics in Ethnic and Multicultural Literature	
ENGL/ ASIAN AM 462	Topic in Asian American Literature	
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	
ENGL/ ASIAN AM 465	Asian American Poetry	
ENGL 474	Topic in Contemporary Literature	
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	
English Seminar		
ENGL 245	Seminar in the Major	3
Language or Composition Rhetoric		
ENGL 214	The English Language	3
English Language and Linguistics Courses		
ENGL 314	Structure of English	3
ENGL 315	English Phonology	3
ENGL 514	English Syntax	3
or ENGL 516	English Grammar in Use	
Electives		**6**
ENGL 204	Introduction to Rhetoric and Writing Studies	
ENGL 220	Shakespearean Drama	
ENGL 224	Introduction to Poetry	
ENGL/ GEN&WS 248	Women in Ethnic American Literature	
ENGL 279	Topics in English, Study Abroad - Literature	
ENGL 304	History and Theory of Rhetoric and Writing Studies	
ENGL/ ENVIR ST 305	Rhetoric, Science, and Public Engagement	
ENGL 307	Creative Writing: Fiction and Poetry Workshop	
ENGL 316	English Language Variation in the U.S.	
ENGL 318	Second Language Acquisition	
ENGL 319	Language, Race, and Identity	
ENGL 320	Linguistic Theory and Child Language	
ENGL 328	The Sixteenth Century	
ENGL 334	Eighteenth Century Literature and Culture	
ENGL 335	Stage and Page in the Long Eighteenth Century	
ENGL 336	Eighteenth-Century Novel	
ENGL 340	Romantic Literature and Culture	
ENGL 345	Nineteenth-Century Novel	
ENGL/ GEN&WS 350	Special Topics in Gender & Literature	
ENGL 351	Modernist Novel	
ENGL 352	Modernist Poetry	
ENGL 353	British Literature since 1900	
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	
ENGL 373	Contemporary Poetry	
ENGL 375	Literatures of Migration and Diaspora	
ENGL 376	Literature and Animal Studies	
ENGL 379	Postcolonial and World Literature	
ENGL 400	Advanced Composition	
ENGL/ GEN&WS 401	Race, Sex, and Texts (How to do things with writing)	

ENGL 403	Seminar on Tutoring Writing Across the Curriculum
ENGL 407	Creative Writing: Nonfiction Workshop
ENGL 408	Creative Writing: Fiction Workshop
ENGL 409	Creative Writing: Poetry Workshop
ENGL 410	Creative Writing: Playwriting Workshop
ENGL 411	Creative Writing: Special Topics Workshop
ENGL 413	English Words: Grammar, Culture, Mind
ENGL 414	Global Spread of English
ENGL 415	Introduction to TESOL Methods
ENGL 416	English in Society
ENGL 417	History of the English Language
ENGL 420	Topics in English Language and Linguistics
ENGL 422	Outstanding Figure(s) in Literature before 1800
ENGL/ MEDIEVAL 423	Topic in Medieval Literature and Culture
ENGL/ MEDIEVAL 424	Medieval Drama
ENGL/ MEDIEVAL 425	Medieval Romance
ENGL/ MEDIEVAL 426	Chaucers Courtly Poetry
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales
ENGL 430	Topic in Early Modern Literature and Culture
ENGL 431	Early Works of Shakespeare
ENGL 432	Later Works of Shakespeare
ENGL 433	Spenser
ENGL/ RELIG ST 434	Milton
ENGL 438	Topic in Eighteenth-Century Literature and Culture
ENGL 443	Outstanding Figure(s) in Literature since 1800
ENGL 444	Topic in Romantic or Victorian Literature and Culture
ENGL 453	Topic in British Literature and Culture since 1900
ENGL 454	James Joyce
ENGL 469	Interdisciplinary Studies in the Arts
ENGL 473	Topic in Postcolonial or World Literature
ENGL/ THEATRE 477	Diaspora and Theatre
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ENGL 505	Topics in Composition and Rhetoric
ENGL 508	Creative Writing: Advanced Fiction Workshop
ENGL 516	English Grammar in Use
ENGL/ MEDIEVAL 520	Old English
ENGL/ MEDIEVAL 521	Advanced Old English Literature
ENGL/HIST SCI/ MED HIST 525	Health and the Humanities
ENGL/ ENVIR ST 533	Topic in Literature and the Environment
ENGL/ JEWISH 539	Jewish Literatures in Diaspora
ENGL 543	Discourses of Disability, Antiquity to 1800
ENGL 546	Topic in Travel Writing before 1800
ENGL 548	Topic in Literature and Politics
ENGL 559	Topic in Literary or Cultural Theory
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 576	Survey: Theories of Drama
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENGL/ THEATRE 578	Modern American Drama and Theatre
ENGL 622	Topics in English: Study Abroad
ENGL 656	Theatre of the Avant-Garde, 1850-1950
ENGL 680	Honors Project
ENGL 681	Senior Honors Thesis in the Major
ENGL 682	Senior Honors Thesis in the Major
ENGL 691	Senior Thesis
ENGL 692	Senior Thesis
ENGL 695	Directed Creative Writing
ENGL 699	Directed Study
Total Credits	**30**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Foreign Language (if needed)	4	Foreign Languge (if needed)	4

Social Science Breadth	4	Social Science Breadth	3
Communications A (complete during your first year)	3	Physical Science Breadth	3
Quantitative Reasoning A (complete during your first year)	3	Ethnic Studies	3
		Elective	3
	14		**16**

Second Year

Fall	Credits	Spring	Credits
ENGL 241	3	ENGL 242	3
ENGL 245	3	ENGL 201 or 207 (Communication B)	3
Social Science Breadth	4	Social Science Breadth	3
Quantitative Reasoning B	4	Biological Science Breadth	3
INTER-LS 210	1	Elective	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)[1]		ENGL 314	3
ENGL 214[2]	3	English I/A Elective	3
American Literature	3	Science Breadth	3
Science Breadth	3	Electives	6
Electives	6		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
ENGL 315	3	English I/A Elective	3
ENGL 514 or 516[3]	3	Electives	12
Electives	9		
	15		**15**

Total Credits 120

1 Students must declare a major before 86 credits.
2 See your major advisor if you want to declare Honors in the English major or plan to study abroad.
3 ENGL 514 and ENGL 516 are offered in alternating years.

Please refer to the Requirements tab (p. 683) in Guide for additional College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES, CERTIFICATE

A certificate in Teaching English to Speakers of Other Languages (TESOL) is available to undergraduate students who wish to teach English as a second language, normally in positions abroad.

Please see the How to Get in section (p. 699) for the qualifications for declaring this certificate.

HOW TO GET IN

HOW TO GET IN

Fill out the online application and submit to the ESL office. Students should apply as early as possible (after the sophomore year if they are undergraduates) to allow enough time to complete the requirements.

Download the **Undergraduate Application**.

Academic requirements for the program are:

For Undergraduates: Enrollment in any one of the required certificate courses and a degree program at UW–Madison.

Native English speakers must show completion of four college-level semesters of one language (prior to or completed concurrently with certificate coursework).

Nonnative English speakers are required to show English language proficiency in the following ways:

- A minimum score of 50 on TSE or SPEAK or an iBy score of 26 on the speaking section of the TOEFL
- A minimum score of 100 on the TOEFL iBT or 600 on the paper-based version of the TOEFL or 7 on the IELTS (International English Language Testing System) can be substituted for the TOEFL.

REQUIREMENTS

REQUIREMENTS FOR THE CERTIFICATE

15 credits of course work include:

Code	Title	Credits
Foundation Courses		
ENGL 314	Structure of English	3
ENGL 415	Introduction to TESOL Methods	3
Second Language Acquisition and Teaching Courses		
ENGL 318	Second Language Acquisition	3
ENGL 515	Techniques and Materials for TESOL	3
Students must take 3 credits of TESOL Workshops.		3
ENGL 613	TESOL: Pedagogical Grammar I	
ENGL 614	TESOL: Pedagogical Grammar II	
ENGL 615	TESOL: Teaching Listening and Speaking	
ENGL 616	TESOL: Teaching of Reading	
ENGL 617	TESOL: Teaching of Writing	
ENGL 618	TESOL: Teaching Pronunciation	
Total Credits		**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 3.000 GPA in all courses approved for the certificate
- At least 8 certificate credits must be completed in residence

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate knowledge in the historical trends in the field, the theoretical underpinnings and the role of English in society and as an international language.
2. Become familiar with the sound and grammatical systems of English.
3. Understand an apply basic principles in the teaching of reading, writing, listening and speaking.
4. Understand the principles of second language acquisition.
5. Construct and execute well-crafted lesson plans.

ADVISING AND CAREERS

ADVISING AND CAREERS

Undergraduate and graduate students who are interested in the Teaching English to Speakers of Other Languages Certificate can contact asktesol@english.wisc.edu for general advising issues.

For current certificate students, please contact Joseph Nosek, TESOL Program Advisor (joseph.nosek@wisc.edu) or Vivian Ye, TESOL Program Coordinator (jye83@wisc.edu).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ENVIRONMENTAL STUDIES

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Environmental Studies Major (p. 700)

ENVIRONMENTAL STUDIES MAJOR

The Gaylord Nelson Institute for Environmental Studies is one of the world's leading institutions for environmental studies and is the administrative home for the major. The Environmental Studies major offers a robust and interdisciplinary curriculum that spans all contemporary disciplines that touch upon the environment. The curriculum includes biological sciences, physical sciences, and social sciences, as well as humanities, history, health, and modern culture.

The Environmental Studies major provides unique opportunities for undergraduate students to broaden their studies through interdisciplinary coursework related to the environment. **The major must always be completed in tandem with a second major.** This requirement is unique to the Environmental Studies major and allows undergraduates the opportunity to both broaden and deepen the focus of their other major with a perspective on the environment that spans a wide range of topics and involves varying depths of application.

The major includes experiential learning opportunities via the capstone course and the field requirement and encourages global interaction through study or internships abroad. With numerous travel abroad possibilities and ongoing access to a large selection of extracurricular events, graduates have countless combinations available to them. The outcome is a solid academic foundation in the study of the environment and access to a network of multidisciplinary problem-solving colleagues.

In today's world, the program prepares students to address modern challenges using interdisciplinary problem-solving approaches, applying both an understanding of, and practical experience beyond, a single academic discipline. Employers purposefully seek individuals with interdisciplinary and international preparation, and environmental studies students are ready to meet that need.

The Nelson Institute also offers two undergraduate certificates:

Environmental Studies Certificate (p. 1377)
Sustainability Certificate (p. 1384)

HOW TO GET IN

HOW TO GET IN

DECLARING THE MAJOR

Students interested in declaring the Environmental Studies major should request a major declaration appointment. Information about declaring the major can be found at undergraduate advising (https://nelson.wisc.edu/undergraduate/advising.php).

Students who earn the Environmental Studies major may not also earn the Environmental Studies Certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL/COLLEGE REQUIREMENTS

The Environmental Studies major is always paired with another major. Please refer to the School/College degree requirements of the other major to learn about degree requirements or consult an advisor.

REQUIREMENTS FOR THE MAJOR

The environmental studies major provides students with an academically rigorous course sequence that encompasses introductory through advanced understandings of the interdisciplinary field of environmental studies. Students must have a declared primary major, and are allowed to apply a portion of course work from that major for the environmental studies major, making it possible to complete their degree within four years.

- **30 credits in the major as defined below.**
- Declare and complete a primary major. **Students must have a primary major declared before reaching senior standing (86 credits) or the environmental studies major may be canceled.**
- At least 15 credits taken for the environmental studies major must be distinct, and not also meeting minimum requirements in another major.
- Students outside the College of Letters & Science may have to meet additional overlap requirements.

FOUNDATION (12 CREDITS)

One course from each of the following four areas. Courses applied to Foundation cannot also be used in Theme or Capstone.

Environmental Humanities (3 credits)

Code	Title	Credits
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/HIST SCI/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
ENVIR ST/ART HIST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
ENVIR ST/ CLASSICS 488	Greeks, Romans and the Natural Environment	3

Environmental Social Science (3 credits)

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST/ GEOG 139	Global Environmental Issues	3
ENVIR ST/A A E 244	The Environment and the Global Economy	4
ENVIR ST/ GEOG 339	Environmental Conservation	4
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3

Environmental Physical Science (3 credits)

Code	Title	Credits
ENVIR ST/ GEOSCI 106	Environmental Geology	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3
ENVIR ST/ILS 126	Principles of Environmental Science	4

ENVIR ST/GEOG 127	Physical Systems of the Environment	4
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
ENVIR ST/ ATM OCN/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ATM OCN 100	Weather and Climate	3
ATM OCN 101	Weather and Climate	4
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	3
SOIL SCI 301	General Soil Science	3
PHYSICS 115	Energy and Climate	3

Environmental Ecology (3 credits)

Code	Title	Credits
ENVIR ST 251	Ecology and the Global Environment	3
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3
ENVIR ST 413	Preserving Nature	3
BOTANY 240	Plants and Humans	3
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
GEOSCI 110	Evolution and Extinction	4
F&W ECOL 401	Physiological Animal Ecology	3
F&W ECOL 550	Forest Ecology	3

THEME (15 CREDITS)

Five courses and 15 credits from any of the areas below. Courses may be concentrated in one area or distributed across multiple areas. Courses applied to the thematic areas cannot also be used in Foundation or Capstone.

Biodiversity

Code	Title	Credits
ENVIR ST/ F&W ECOL 100	Forests of the World	3
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology	3
ENVIR ST 251	Ecology and the Global Environment	3
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST 375	Field Ecology Workshop	3
ENVIR ST 413	Preserving Nature	3
ENVIR ST/C&E SOC/ GEOG 434	People, Wildlife and Landscapes	3
ENVIR ST/BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENVIR ST 613	Reproducibility Crises and Open Science in Environmental Studies	3
AGROECOL 370	Grassland Ecology	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	3
ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
BIOCORE 181	Becoming a Scientist: Doing Biology Research	2
BOTANY 240	Plants and Humans	3
BOTANY/GEOG 338	Environmental Biogeography	3
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY 422	Plant Geography	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
BOTANY/ F&W ECOL/ ZOOLOGY 672	Historical Ecology	2
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENTOM 490	Biodiversity and Global Change	3
F&W ECOL 110	Living with Wildlife - Animals, Habitats, and Human Interactions	3
F&W ECOL 401	Physiological Animal Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
GEOSCI 110	Evolution and Extinction	4

Climate

Code	Title	Credits
ENVIR ST/ ATM OCN/ GEOSCI 102	Climate and Climate Change	3
ENVIR ST/ ATM OCN 171	Global Change: Atmospheric Issues and Problems	2-3

ENVIR ST/ ATM OCN/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
ENVIR ST/ ATM OCN/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ ATM OCN 355	Introduction to Air Quality	3
ENVIR ST/ ATM OCN 520	Bioclimatology	3
A A E 246	Climate Change Economics and Policy	3
ATM OCN 100	Weather and Climate	3
ATM OCN 101	Weather and Climate	4
ATM OCN 425	Global Climate Processes	3
ATM OCN 522	Tropical Meteorology	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
ED POL 320	Climate Change, Sustainability, and Education	3
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
SOIL SCI 211	Soils and Climate Change	2

Energy

Code	Title	Credits
ENVIR ST/BSE 367	Renewable Energy Systems	3
ENVIR ST/ GEOSCI 411	Energy Resources	3
ENVIR ST/A A E/ CIV ENGR/ URB R PL 561	Energy Markets	3
ENVIR ST/A A E/ ECON/URB R PL 671	Energy Economics	3
A A E/ECON 371	Energy, Resources and Economics	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR/ G L E 535	Wind Energy Balance-of-Plant Design	3
E C E 356	Electric Power Processing for Alternative Energy Systems	3
M E 461	Thermal Systems Modeling	3
M E/N E 565	Power Plant Technology	3
N E 571	Economic and Environmental Aspects of Nuclear Energy	3
PHYSICS 115	Energy and Climate	3

Food and Agriculture

Code	Title	Credits
ENVIR ST/ AGROECOL/ C&E SOC/ ENTOM 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
A A E/C&E SOC/ SOC 340	Issues in Food Systems	3-4
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E/PL PATH/ PLANTSCI 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
AGROECOL 303	Agroecological Systems: Working Towards Sustainability	3
AGROECOL 377	Global Food Production and Health	3
AN SCI 210	You and Your Food: Farm to Table	2
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/SOC 650	Sociology of Agriculture	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
FOLKLORE 439	Foodways	3
FOOD SCI 120	Science of Food	3
GEN&WS 472	Food for Thought: An Intersectional Approach	3
INTER-AG 117	GreenHouse Roots Seminar	1
MED HIST/ PHILOS 344	Food Ethics	3
NUTR SCI 132	Nutrition Today	3
PLANTSCI 310	Plant Science and Technology in Cropping Systems	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
SOIL SCI 211	Soils and Climate Change	2

Health

Code	Title	Credits
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
C&E SOC/ POP HLTH 370	Introduction to Public Health	3
CIV ENGR 422	Elements of Public Health Engineering	3

CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
HIST SCI/MED HIST/ POP HLTH 553	International Health and Global Society	3
SOIL SCI 430	Soil Pollution and Human Health	3

History, Culture, Society

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/HIST SCI/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/ GEOG 139	Global Environmental Issues	3
ENVIR ST/ENGL 153	Literature and the Environment	3
ENVIR ST/GNS 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
ENVIR ST/ART HIST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
ENVIR ST 245		
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
ENVIR ST 307	Literature of the Environment: Speaking for Nature	3
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	3
ENVIR ST 317	Community Environmental Scholars Program Seminar	1
ENVIR ST/ HISTORY 328	Environmental History of Europe	3
ENVIR ST/ GEOG 337	Nature, Power and Society	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/ AMER IND 341	Indigenous Environmental Communicators	3
ENVIR ST/ HISTORY 369	Thinking through History with Animals	3-4
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/ SPANISH 445	Culture and the Environment in the Luso-Hispanic World	3
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
ENVIR ST/ CLASSICS 488	Greeks, Romans and the Natural Environment	3
ENVIR ST/ ENGL 533	Topic in Literature and the Environment	3
ENVIR ST/ GEOG 537	Culture and Environment	4
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
AMER IND/ HISTORY 190	Introduction to American Indian History	3-4
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
ANTHRO 477	Anthropology, Environment, and Development	3
BOTANY/ F&W ECOL/ ZOOLOGY 672	Historical Ecology	2
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
CHICLA/ HISTORY 151	The North American West to 1850	3-4
CLASSICS 103	Nature, Race, and Human Difference	3
ED POL 320	Climate Change, Sustainability, and Education	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
SPANISH 455	Contemporary Mayas: A Culture of Nature	3

Justice

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	3

ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST 317	Community Environmental Scholars Program Seminar	1
ENVIR ST/ GEOG 337	Nature, Power and Society	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST 413	Preserving Nature	3
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/ GEOG 534	Environmental Governance: Markets, States and Nature	3
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/ECON 474	Economic Problems of Developing Areas	3
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
AMER IND/ HISTORY 190	Introduction to American Indian History	3-4
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
ANTHRO 477	Anthropology, Environment, and Development	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
C&E SOC/SOC 573	Community Organization and Change	3
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
ECON 370	Economics of Poverty and Inequality	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
GEN&WS 472	Food for Thought: An Intersectional Approach	3
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1

Land Use

Code	Title	Credits
ENVIR ST/ GEOSCI 106	Environmental Geology	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3
ENVIR ST/GEOG 127	Physical Systems of the Environment	4
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST/ SOIL SCI 324	Soils and Environmental Quality	3
ENVIR ST/ GEOG 333	Green Urbanism	3
ENVIR ST/ GEOG 337	Nature, Power and Society	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/C&E SOC/ GEOG 434	People, Wildlife and Landscapes	3
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
ENVIR ST/BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENVIR ST/ GEOG 537	Culture and Environment	4
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation	3
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3
A A E/ECON/ REAL EST/ URB R PL 306	The Real Estate Process	3
BOTANY/GEOG 338	Environmental Biogeography	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/ SOIL SCI 451	Environmental Biogeochemistry	3
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG 344	Changing Landscapes of the American West	3
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4

LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	3
LAND ARC 211	Shaping the Built Environment	3
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 373	Mindfulness in Restorative Environments	3
LAND ARC 380	Plants for Ecological Design I	2
LAND ARC 381	Plants for Ecological Design II	1
LAND ARC/ URB R PL 463	Evolution of American Planning	3
LAND ARC 511	Geodesign Methods and Applications	3
LAND ARC 668	Restoration Ecology	3
LAND ARC 677	Cultural Resource Preservation and Landscape History	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
SOIL SCI 430	Soil Pollution and Human Health	3
URB R PL 601	Site Planning	3

Policy

Code	Title	Credits
ENVIR ST/A A E 244	The Environment and the Global Economy	4
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/A A E/ ECON 343	Environmental Economics	3-4
ENVIR ST/ AMER IND/ GEOG 345	Caring for Nature in Native North America	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/C&E SOC/ CURRIC 405	Education for Sustainable Communities	3
ENVIR ST 417	Sustainability Science, Technology and Policy	1
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
ENVIR ST/ PHILOS 523	Philosophical Problems of the Biological Sciences	3
ENVIR ST/ GEOG 534	Environmental Governance: Markets, States and Nature	3
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
ENVIR ST 613	Reproducibility Crises and Open Science in Environmental Studies	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/ F&W ECOL 430	Decision Methods for Natural Resource Managers	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
C&E SOC/SOC 573	Community Organization and Change	3
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 522	Hazardous Waste Management	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
ECON 370	Economics of Poverty and Inequality	3
F&W ECOL 410	Principles of Silviculture	3
M H R 310	Challenges & Solutions in Business Sustainability	3
OTM 370	Sustainable Approaches to System Improvement	3
POLI SCI 272	Introduction to Public Policy	3-4
PUB AFFR 340	Intermediate Evidence-Based Policymaking and Communication	3
PUB AFFR 366	U.S. Environmental Politics and Public Policy	3
R M I 650	Sustainability, Environmental and Social Risk Management	2-3
REAL EST 651	Green - Sustainable Development	3
URB R PL 215	Welcome to Your Urban Future	3
URB R PL 551	Climate Action Planning: Sustainable Transportation	3

Geospatial Analysis

Code	Title	Credits
ENVIR ST/ F&W ECOL/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems	4
ENVIR ST/ CIV ENGR/G L E/ GEOSCI 444	Practical Applications of GPS Surveying	2

ENVIR ST/GEOG/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	3
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3
F&W ECOL 395	Data and GIS Tools for Ecology	3
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	3
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 511	Geodesign Methods and Applications	3

Sustainability

Code	Title	Credits
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST 215	Sustainability	3
ENVIR ST/A A E 244	The Environment and the Global Economy	4
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment	3
ENVIR ST/ GEOG 333	Green Urbanism	3
ENVIR ST 365	Systems Thinking	3
ENVIR ST/BSE 367	Renewable Energy Systems	3
ENVIR ST/C&E SOC/ CURRIC 405	Education for Sustainable Communities	3
ENVIR ST 417	Sustainability Science, Technology and Policy	1
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/ECON 474	Economic Problems of Developing Areas	3
AGROECOL 377	Global Food Production and Health	3
AN SCI/DY SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
CIV ENGR 121	Sustainability Engineering for Non-Engineers	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 495	Sustainable Building and Materials	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
DY SCI 471	Food Production Systems and Sustainability	3
ED POL 320	Climate Change, Sustainability, and Education	3
LAND ARC 211	Shaping the Built Environment	3
LAND ARC 563	Designing Sustainable and Resilient Regions	4
M H R 310	Challenges & Solutions in Business Sustainability	3
OTM 370	Sustainable Approaches to System Improvement	3
PL PATH/ PLANTSCI 261	Sustainable Turfgrass Use and Management	2
URB R PL 215	Welcome to Your Urban Future	3
URB R PL 551	Climate Action Planning: Sustainable Transportation	3

Water

Code	Title	Credits
ENVIR ST/ ZOOLOGY 315	Limnology-Conservation of Aquatic Resources	2
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
ATM OCN/ GEOSCI 105	Survey of Oceanography	3-4
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	3
BSE 473	Water Management Systems	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 322	Environmental Engineering Processes	3
G L E/GEOSCI 627	Hydrogeology	3-4
G L E/GEOSCI 629	Contaminant Hydrogeology	3
ZOOLOGY 115	Freshwater: Past, Present, and Future	3
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3

Multi-thematic

Code	Title	Credits
ENVIR ST/ SOIL SCI 101	Forum on the Environment	1-2
ENVIR ST 202	Careers in the Environment	2
ENVIR ST 203	Special Topics in Environmental Studies	1-3
ENVIR ST 398	Independent Study: Sustainability Community Engagement	1
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St	1-4
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences	1-4

ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies	1-4
ENVIR ST 403	Special Topics in Environmental Studies	1-3
ENVIR ST 404	Special Topics in Environmental Humanities	1-3

BEYOND THE CLASSROOM EXPERIENCE

The Beyond the Classroom experience in the Environmental Studies major can be met in one of the following ways:

- A course from the list below. Courses used to meet the Beyond the Classroom experience requirement may also be used in other areas of the curriculum.
- Participation in an environmental study abroad program where 50% or more of the contact hours are in an out-of-doors situation (see your advisor)
- Participation in an environmental internship or similar experience where 50% or more of the contact hours are in an out-of-doors situation (field form summary **must** be submitted)

Beyond the Classroom experiences are expected to include one or more of the following: data gathering, reflective out of-classroom experience, practical application, performance/creation related to environment, outdoor experiences, community engagement/service. The Beyond the Classroom experience gives students practice in an outward-facing application of environmental studies and sustainability.

Code	Title	Credits
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/GEOG 127	Physical Systems of the Environment	4
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST 375	Field Ecology Workshop	3
ENVIR ST 398	Independent Study: Sustainability Community Engagement	1
ENVIR ST/ CIV ENGR/G L E/ GEOSCI 444	Practical Applications of GPS Surveying	2
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation	3
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
F&W ECOL 551	Forest Ecology Lab	1
LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	3
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	3
LAND ARC 373	Mindfulness in Restorative Environments	3
LAND ARC 668	Restoration Ecology	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3

CAPSTONE REQUIREMENT (3 CREDITS)

3 credits from:

Code	Title	Credits
ENVIR ST 600	Environmental Studies Capstone	3

RESIDENCE & QUALITY OF WORK IN THE MAJOR

- 2.000 GPA in all ENVIR ST courses and courses in the major
- 2.000 GPA on 15 upper-level major credits, taken in Residence. Intermediate and Advanced level courses in the major are considered upper level.
- 15 credits in ENVIR ST or in the major, taken on campus (at UW–Madison)

HONORS IN THE MAJOR

Honors in the Major is not available in Environmental Studies.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain the social and historical processes that impact current environments and sustainability issues. Interpret the meanings, values, and systems that are created, shaped, and revealed as humans interact with and modify the environments they inhabit.
2. Explain systemic and ecological processes and fundamental principles of environmental sciences relating to humanity's key environmental challenges of the past, present, and future.
3. Analyze and respond to questions in environment and sustainability by applying interdisciplinary approaches that integrate multiple perspectives, including those from a coordinate major.
4. Recognize through critical thinking a diversity of viewpoints, ethical commitments, and disciplinary approaches to environmental and sustainability concerns across various scales from the local to the global.
5. Demonstrate excellent reading, writing, communication, and research skills, both individually and in interdisciplinary teams.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many

students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Coordinate major course	3	Coordinate major course	3
Quantitative Reasoning A	3	ENVIR ST Foundation course (e.g. ENVIR ST 126)	3
Foreign Language	4	Communication A (complete during your first year)	3
ENVIR ST Foundation course (e.g. ENVIR ST 112)	3-4	Foreign Language/ Elective	4
		Elective	3
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3-5	Communication B	4
ENVIR ST 306 (counts for Ethnic Studies)	3	INTER-LS 210: Taking Initiative	2
ENVIR ST Breadth	3-4	ENVIR ST Breadth	3
Coordinate major course	3-4	Coordinate major course	3
		Elective	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
Coordinate major course	3	Coordinate major course	3
ENVIR ST theme	3-4	Coordinate major course	3
ENVIR ST theme	3-4	ENVIR ST theme	3-4
L&S Breadth/Elective	3	ENVIR ST theme	3-4
L&S Breadth/Elective	3	L&S Breadth/Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Coordinate major course	3	Coordinate major course	3
Coordinate major course	3	ENVIR ST Capstone or remaining theme	3-4
ENVIR ST Capstone or remaining theme	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

The Environmental Studies major (https://nelson.wisc.edu/undergraduate/environmental-studies-major/) offers unique opportunities for undergraduate students to broaden their studies through interdisciplinary coursework related to the environment. See undergraduate advising (https://nelson.wisc.edu/undergraduate/advising/) for more information about declaring the major or certificate.

Environmental Studies students are represented in majors all across campus and in most undergraduate schools and colleges. Environmental studies majors should utilize the career office for their home school as appropriate.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

FRENCH AND ITALIAN

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- French, BA (p. 709)
- French, BS (p. 714)
- French, Certificate (p. 718)
- Italian, BA (p. 719)
- Italian, BS (p. 723)
- Italian, Certificate (p. 726)

FRENCH, BA

The French program at UW–Madison offers students opportunities for cultural and literary learning about the French-speaking world through

dynamic, in-class experiences and extracurricular components such as the French Club (https://win.wisc.edu/organization/frenchclub/), Pi Delta Phi (https://www.pideltaphi.org/) (the National French Honor Society), the French House (http://uwfrenchhouse.org/) (an immersion residence hall and cultural center), and with French and Francophone cultural events in and around Madison.

Students intending to major in French or complete the French certificate (p. 718) enter the program at the appropriate level depending on their language proficiency. If you have previous experience in the French language, please refer to Testing and Evaluation Services (https://exams.wisc.edu/placement/uw-madison-students.php) to register for the placement test.

The majority of UW–Madison French major or certificate students complete their requirements through a combination of courses taken on campus and abroad with a UW–Madison-sponsored program (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/french/).

Students have the option to take a class for Honors at almost all levels. For more information, please see the department website and/or consult the undergraduate advisor (https://frit.wisc.edu/administrative-staff/).

For courses in French literature in translation, see the Literature in Translation (https://guide.wisc.edu/courses/littrans/) course listing.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the French certificate may not be declared in the French major at the same time. French certificate students who want to switch to the French major, must cancel their French certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students pursuing a French major must complete **27 credits** beyond FRENCH 204. Only one course taught in English can count towards the French Major.[1]

Code	Title	Credits
Required Courses		**9**
FRENCH 228	Intermediate Language and Culture	
FRENCH 271	Literature, Comics, and Film in French	
FRENCH 321	Medieval and Early Modern French Literature [2]	
or FRENCH 322	Modern French and Francophone Literature	
or FRENCH 347	Medieval and Early Modern Culture	
or FRENCH 348	Modernity Studies	
or FRENCH 361	Study Abroad: French/Francophone Literature	
or FRENCH 362	Study Abroad: French/Francophone Civilization	
Elective Courses		**18**
FRENCH 211	French Literary and Interdisciplinary Studies [1]	
FRENCH/ AFRICAN 216	Modern and Contemporary Francophone Topics [1]	
FRENCH 248	Ethnic Studies in the French/ Francophone World(s) [1]	
FRENCH/ GEN&WS 285	Rebellious Women from the Global South [1]	
FRENCH 288	Doctors without Borders (Médecins Sans Frontières) [1]	
FRENCH 298	Directed Study	
FRENCH 299	Directed Study	
FRENCH 301	Practical French Conversation	
FRENCH 302	Practical French Conversation	
FRENCH 311	Advanced Composition and Speaking	
FRENCH 312	Advanced Writing Workshop	
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	
FRENCH 316	Study Abroad: Advanced French Language	
FRENCH 321	Medieval and Early Modern French Literature	
FRENCH 322	Modern French and Francophone Literature	
FRENCH 325	Visual Culture in French/ Francophone Studies	
FRENCH 345	French Fashion and Literature from the Middle Ages to Today [1]	
FRENCH 347	Medieval and Early Modern Culture	
FRENCH 348	Modernity Studies	
FRENCH 350	Applied French Language Studies	
FRENCH 361	Study Abroad: French/Francophone Literature	
FRENCH 362	Study Abroad: French/Francophone Civilization	
FRENCH 420	Topics in French: Study Abroad	
FRENCH 430	Readings in Medieval and Renaissance Literature	
FRENCH 431	Readings in Early Modern Literature	
FRENCH/ AFRICAN 440	African/Francophone Film [1]	
FRENCH 461	French/Francophone Literary Studies Across the Centuries	
FRENCH 462	French/Francophone Cultural Studies Across the Centuries	
FRENCH 464	Literature and Medicine in French-Speaking Cultures	
FRENCH 465	French/Francophone Film	
FRENCH 467	Aspects of Contemporary French Literature	
FRENCH 567	Undergraduate Seminar in French/ Francophone Literary Studies	
FRENCH 568	Undergraduate Seminar in French/ Francophone Cultural Studies	
FRENCH 569	Critical Approaches to Literature and Culture: French and Francophone Perspectives	
FRENCH 590	Introduction to Phonetics	
FRENCH 630	The Age of Reason	
FRENCH 631	17th-Century French Literature	
FRENCH 639	17th-Century Literature	
FRENCH 647	The 20th-Century French Novel	
FRENCH 665	Introduction to Francophone Studies	
FRENCH 672	Topics in Literature and Culture	
FRENCH 681	Senior Honors Thesis	
FRENCH 682	Senior Honors Thesis	
FRENCH 691	Thesis	
FRENCH 692	Thesis	
FRENCH 698	Directed Study	
FRENCH 699	Directed Study	
LITTRANS 209	Masterpieces of French Literature and Culture [1]	
LITTRANS 249	Literature in Translation: Nineteenth-Century French Masterpieces [1]	

LITTRANS 302	What is Life? Biological Life in Literature and Culture [1]
LITTRANS 303	Topics in French Literature and Culture [1]
Total Credits	**27**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all FRENCH and major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, taken in residence: (French 300 and higher are considered upper-level in the major)
- 15 credits in FRENCH taken on campus at UW–Madison

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with a French undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all FRENCH courses and all courses counting in the major
- Complete at least 8 credits, taken for Honors, beyond FRENCH 271[3]
- Complete a two-semester Senior Honors Thesis in FRENCH 681 and FRENCH 682, for a total of 6 credits[4]

FOOTNOTES

1 Only one course taught in English may count toward the French Major.

2 FRENCH 361 and FRENCH 362 are only available to students participating in a study abroad program.

3 Study abroad in France or in another French-speaking country is highly recommended, and the 8 credits taken for Honors can be fulfilled through French courses taken abroad at the appropriate level.

4 In certain circumstances (particularly when the student is an Honors candidate in two or more departments), two courses in literature or cultural studies numbered 500-599 or 600-699 may be substituted for the Senior Honors Thesis.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate that they understand and can analyze literary and non-literary texts in French representing a broad spectrum of topics, time periods, and geographical regions (interpretive communication).
2. Express themselves effectively in spoken and written French to inform, persuade, and narrate for different audiences of listeners, viewers, or readers (presentational communication).
3. Express themselves effectively in spoken and written French to share information, reactions, and opinions related to a broad spectrum of topics and texts (interpersonal communication).
4. Recognize and explain cultural artifacts, practices, and perspectives of the French-speaking world including how these cultural elements relate to literary and non-literary texts in French (cultural knowledge).
5. Demonstrate a good degree of understanding of lexical, grammatical, syntactic, and stylistic features of the French language (linguistic knowledge).
6. Demonstrate awareness of difference and diversity by comparing and contrasting culturally situated beliefs, behaviors, and norms of the French-speaking world with those found in their own culture (cross-cultural awareness).
7. Engage in a sustained fashion with the French language, its users, and cultural artifacts in and beyond the classroom, e.g., in their own community, virtual communities, and study abroad (engagement with the French language and culture).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
FRENCH 203	4	FRENCH 204	4
Communication A	3	FRENCH 248 (meets Ethnic Studies requirement)	3
Social Science Breadth	3	Social Science Breadth	4
Quantitative Reasoning A	3	Biological Science Breadth	3

Electives	3		
	16		**14**

Sophomore

Fall	**Credits**	**Spring**	**Credits**
FRENCH 228	3	FRENCH 211	3
Quantitative Reasoning B	4	FRENCH 311	3
Social Science Breadth	3	Communication B	4
Electives	3	Physical Science Breadth	3
INTER-LS 210	1	Social Science Breadth	3
	14		**16**

Junior

Fall	**Credits**	**Spring**	**Credits**
FRENCH 271	3	FRENCH 321	3
FRENCH/INTL BUS 313	3	FRENCH 348	3
Science Breadth	3	Science Breadth	3
Electives	6	Electives	6
	15		**15**

Senior

Fall	**Credits**	**Spring**	**Credits**
FRENCH 322	3	FRENCH 465	3
FRENCH 590	3	FRENCH 347	3
Electives	9	Electives	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the French & Italian webpage (https://frit.wisc.edu/academic-advising/).

For information about academic advising including language proficiency, language placement, and retrocredits, please visit our website or schedule an appointment with the undergraduate advisor.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FRENCH HOUSE

La Maison Française (http://uwfrenchhouse.org/), a francophone (French-speaking) residence hall and cultural center, is managed by the Department of French and Italian under the direction of Anne Theobald, PhD (https://frit.wisc.edu/staff/theobald-anne/). Residence is open to UW–Madison students with the equivalent of a fourth-semester level of French. At least two native French graduate students reside in the house, aiding in conversation and facilitating the use of French. Most residents are Americans: prospective teachers of French, French majors, and students in other disciplines who want to speak French on a daily basis. Applications should be made well in advance.

The French House is open to the public for Wednesday dinner and Friday lunch (https://www.uwfrenchhouse.com/dining/) during the academic year.

CLUBS AND ACTIVITIES

The French Club (https://win.wisc.edu/organization/frenchclub/) is a registered student organization run by students involved in the French program and open to any and all UW–Madison community members who have an interest in French language and culture. Club members are encouraged to organize and participate in cultural events on campus and in the community. Undergraduates are welcome at scholarly talks and department events on an array of subjects (see department website (https://frit.wisc.edu/) and the French House website (http://uwfrenchhouse.org/) for event details).

Pi Delta Phi (https://www.pideltaphi.org/) is for college and university undergraduate and graduate students. Founded at the University of California, Berkeley in 1906, Pi Delta Phi is the oldest national academic honor society for a foreign language in the United States. The aims of the Society are to recognize outstanding scholarship in the French language and Francophone literatures, to increase the knowledge and appreciation of Americans for the cultural contributions of the French-speaking world, and to encourage and to stimulate French and francophone cultural activities. There are currently more than 400 chapters and over 75,000 members across the United States. The Pi Delta Phi chapter at UW–Madison, Rho Zeta, was founded by Mandi Schoville, MFS (https://frit.wisc.edu/staff/mandi-schoville/) and Anne Theobald, PhD (https://frit.wisc.edu/staff/theobald-anne/) in spring 2023 with the first cohort initiated in spring 2024. Students participate in activities and chapter events throughout the academic year. In order to be eligible for undergraduate nomination, UW–Madison undergraduate students must be sophomores, must have completed at least one semester of a 300-level or higher course in French, have a current minimum cumulative GPA of 3.000 and minimum French subject GPA of 3.300. A completed membership form and one-time dues for a lifetime membership are required for admission, for which students receive the Pi Delta Phi pin, certificate, and one set of graduation honor cords in blue, white, and red.

FRENCH, BS

The French program at UW–Madison offers students opportunities for cultural and literary learning about the French-speaking world through dynamic, in-class experiences and extracurricular components such as the French Club (https://win.wisc.edu/organization/frenchclub/), Pi Delta Phi (https://www.pideltaphi.org/) (the National French Honor Society), the French House (http://uwfrenchhouse.org/) (an immersion residence hall and cultural center), and with French and Francophone cultural events in and around Madison.

Students intending to major in French or complete the French certificate (p. 718) enter the program at the appropriate level depending on their language proficiency. If you have previous experience in the French language, please refer to Testing and Evaluation Services (https://exams.wisc.edu/placement/uw-madison-students.php) to register for the placement test.

The majority of UW–Madison French major or certificate students complete their requirements through a combination of courses taken on campus and abroad with a UW–Madison-sponsored program (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/french/).

Students have the option to take a class for Honors at almost all levels. For more information, please see the department website and/or consult the undergraduate advisor (https://frit.wisc.edu/administrative-staff/).

For courses in French literature in translation, see the Literature in Translation (https://guide.wisc.edu/courses/littrans/) course listing.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the French certificate may not be declared in the French major at the same time. French certificate students who want to switch to the French major, must cancel their French certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.

UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students pursuing a French major must complete **27 credits** beyond FRENCH 204. Only one course taught in English can count towards the French Major.[1]

Code	Title	Credits
Required Courses		**9**
FRENCH 228	Intermediate Language and Culture	
FRENCH 271	Literature, Comics, and Film in French	
FRENCH 321	Medieval and Early Modern French Literature [2]	
or FRENCH 322	Modern French and Francophone Literature	
or FRENCH 347	Medieval and Early Modern Culture	
or FRENCH 348	Modernity Studies	
or FRENCH 361	Study Abroad: French/Francophone Literature	
or FRENCH 362	Study Abroad: French/Francophone Civilization	
Elective Courses		**18**
FRENCH 211	French Literary and Interdisciplinary Studies [1]	
FRENCH/ AFRICAN 216	Modern and Contemporary Francophone Topics [1]	
FRENCH 248	Ethnic Studies in the French/ Francophone World(s) [1]	
FRENCH/ GEN&WS 285	Rebellious Women from the Global South [1]	
FRENCH 288	Doctors without Borders (Médecins Sans Frontières) [1]	
FRENCH 298	Directed Study	
FRENCH 299	Directed Study	
FRENCH 301	Practical French Conversation	
FRENCH 302	Practical French Conversation	
FRENCH 311	Advanced Composition and Speaking	
FRENCH 312	Advanced Writing Workshop	
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	
FRENCH 316	Study Abroad: Advanced French Language	
FRENCH 321	Medieval and Early Modern French Literature	
FRENCH 322	Modern French and Francophone Literature	
FRENCH 325	Visual Culture in French/ Francophone Studies	
FRENCH 345	French Fashion and Literature from the Middle Ages to Today [1]	
FRENCH 347	Medieval and Early Modern Culture	
FRENCH 348	Modernity Studies	
FRENCH 350	Applied French Language Studies	
FRENCH 361	Study Abroad: French/Francophone Literature	
FRENCH 362	Study Abroad: French/Francophone Civilization	
FRENCH 420	Topics in French: Study Abroad	
FRENCH 430	Readings in Medieval and Renaissance Literature	
FRENCH 431	Readings in Early Modern Literature	
FRENCH/ AFRICAN 440	African/Francophone Film [1]	
FRENCH 461	French/Francophone Literary Studies Across the Centuries	
FRENCH 462	French/Francophone Cultural Studies Across the Centuries	
FRENCH 464	Literature and Medicine in French-Speaking Cultures	
FRENCH 465	French/Francophone Film	
FRENCH 467	Aspects of Contemporary French Literature	
FRENCH 567	Undergraduate Seminar in French/ Francophone Literary Studies	
FRENCH 568	Undergraduate Seminar in French/ Francophone Cultural Studies	
FRENCH 569	Critical Approaches to Literature and Culture: French and Francophone Perspectives	
FRENCH 590	Introduction to Phonetics	
FRENCH 630	The Age of Reason	
FRENCH 631	17th-Century French Literature	
FRENCH 639	17th-Century Literature	
FRENCH 647	The 20th-Century French Novel	
FRENCH 665	Introduction to Francophone Studies	
FRENCH 672	Topics in Literature and Culture	
FRENCH 681	Senior Honors Thesis	
FRENCH 682	Senior Honors Thesis	
FRENCH 691	Thesis	
FRENCH 692	Thesis	
FRENCH 698	Directed Study	
FRENCH 699	Directed Study	
LITTRANS 209	Masterpieces of French Literature and Culture [1]	

LITTRANS 249	Literature in Translation: Nineteenth-Century French Masterpieces [1]
LITTRANS 302	What is Life? Biological Life in Literature and Culture [1]
LITTRANS 303	Topics in French Literature and Culture [1]
Total Credits	**27**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all FRENCH and major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, taken in residence: (French 300 and higher are considered upper-level in the major)
- 15 credits in FRENCH taken on campus at UW–Madison

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with a French undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all FRENCH courses and all courses counting in the major
- Complete at least 8 credits, taken for Honors, beyond FRENCH 271[3]
- Complete a two-semester Senior Honors Thesis in FRENCH 681 and FRENCH 682, for a total of 6 credits[4]

FOOTNOTES

1 Only one course taught in English may count toward the French Major.

2 FRENCH 361 and FRENCH 362 are only available to students participating in a study abroad program.

3 Study abroad in France or in another French-speaking country is highly recommended, and the 8 credits taken for Honors can be fulfilled through French courses taken abroad at the appropriate level.

4 In certain circumstances (particularly when the student is an Honors candidate in two or more departments), two courses in literature or cultural studies numbered 500-599 or 600-699 may be substituted for the Senior Honors Thesis.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate that they understand and can analyze literary and non-literary texts in French representing a broad spectrum of topics, time periods, and geographical regions (interpretive communication).
2. Express themselves effectively in spoken and written French to inform, persuade, and narrate for different audiences of listeners, viewers, or readers (presentational communication).
3. Express themselves effectively in spoken and written French to share information, reactions, and opinions related to a broad spectrum of topics and texts (interpersonal communication).
4. Recognize and explain cultural artifacts, practices, and perspectives of the French-speaking world including how these cultural elements relate to literary and non-literary texts in French (cultural knowledge).
5. Demonstrate a good degree of understanding of lexical, grammatical, syntactic, and stylistic features of the French language (linguistic knowledge).
6. Demonstrate awareness of difference and diversity by comparing and contrasting culturally situated beliefs, behaviors, and norms of the French-speaking world with those found in their own culture (cross-cultural awareness).
7. Engage in a sustained fashion with the French language, its users, and cultural artifacts in and beyond the classroom, e.g., in their own community, virtual communities, and study abroad (engagement with the French language and culture).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
FRENCH 203	4	FRENCH 204	4
Communication A	3	FRENCH 248 (meets Ethnic Studies requirement)	3
Social Science Breadth	3	Social Science Breadth	4
Quantitative Reasoning A	3	Biological Science Breadth	3
Electives	3		
	16		**14**

Sophomore

Fall	Credits	Spring	Credits
FRENCH 228	3	FRENCH 211	3
Quantitative Reasoning B	4	FRENCH 311	3
Social Science Breadth	3	Communication B	4
Electives	3	Physical Science Breadth	3
INTER-LS 210	1	Social Science Breadth	3
	14		**16**

Junior

Fall	Credits	Spring	Credits
FRENCH 271	3	FRENCH 321	3
FRENCH/INTL BUS 313	3	FRENCH 348	3
Science Breadth	3	Science Breadth	3
Electives	6	Electives	6
	15		**15**

Senior

Fall	Credits	Spring	Credits
FRENCH 322	3	FRENCH 465	3
FRENCH 590	3	FRENCH 347	3
Electives	9	Electives	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the French & Italian webpage (https://frit.wisc.edu/academic-advising/).

For information about academic advising including language proficiency, language placement, and retrocredits, please visit our website or schedule an appointment with the undergraduate advisor.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

FRENCH HOUSE

La Maison Française (http://uwfrenchhouse.org/), a francophone (French-speaking) residence hall and cultural center, is managed by the Department of French and Italian under the direction of Anne Theobald, PhD (https://frit.wisc.edu/staff/theobald-anne/). Residence is open to UW–Madison students with the equivalent of a fourth-semester level of French. At least two native French graduate students reside in the house, aiding in conversation and facilitating the use of French. Most residents are Americans: prospective teachers of French, French majors, and students in other disciplines who want to speak French on a daily basis. Applications should be made well in advance.

The French House is open to the public for Wednesday dinner and Friday lunch (https://www.uwfrenchhouse.com/dining/) during the academic year.

CLUBS AND ACTIVITIES

The French Club (https://win.wisc.edu/organization/frenchclub/) is a registered student organization run by students involved in the French program and open to any and all UW–Madison community members who have an interest in French language and culture. Club members are encouraged to organize and participate in cultural events on campus and in the community. Undergraduates are welcome at scholarly talks and department events on an array of subjects (see department website (https://frit.wisc.edu/) and the French House website (http://uwfrenchhouse.org/) for event details).

Pi Delta Phi (https://www.pideltaphi.org/) is for college and university undergraduate and graduate students. Founded at the University of California, Berkeley in 1906, Pi Delta Phi is the oldest national academic honor society for a foreign language in the United States. The aims of the Society are to recognize outstanding scholarship in the French language and Francophone literatures, to increase the knowledge and appreciation of Americans for the cultural contributions of the French-speaking world, and to encourage and to stimulate French and francophone cultural activities. There are currently more than 400 chapters and over 75,000 members across the United States. The Pi Delta Phi chapter at UW–Madison, Rho Zeta, was founded by Mandi Schoville, MFS (https://frit.wisc.edu/staff/mandi-schoville/) and Anne Theobald, PhD (https://frit.wisc.edu/staff/theobald-anne/) in spring 2023 with the first cohort initiated in spring 2024. Students participate in activities and chapter events throughout the academic year. In order to be eligible

for undergraduate nomination, UW–Madison undergraduate students must be sophomores, must have completed at least one semester of a 300-level or higher course in French, have a current minimum cumulative GPA of 3.000 and minimum French subject GPA of 3.300. A completed membership form and one-time dues for a lifetime membership are required for admission, for which students receive the Pi Delta Phi pin, certificate, and one set of graduation honor cords in blue, white, and red.

FRENCH, CERTIFICATE

The undergraduate certificate in French offers students the opportunity to develop their proficiency in French language and their knowledge of literature and culture in the French-speaking world, thereby complementing their major(s) in other subjects across the university. It also strengthens the applications of students who intend to pursue careers or graduate study in areas where French is useful.

HOW TO GET IN

HOW TO GET IN

Degree seeking students can declare an French certificate at any time. For more information and/or to declare the French certificate, please see the department website (https://frit.wisc.edu/).

Students declared in the French major may not be declared in the French certificate at the same time. French major students who want to switch to the French certificate, must cancel their French major.

REQUIREMENTS

REQUIREMENTS

Students pursuing a French certificate must complete **15 credits beyond** FRENCH 204.

CERTIFICATE REQUIREMENTS

Code	Title	Credits
Required Courses		**6**
FRENCH 228	Intermediate Language and Culture	
FRENCH 271	Literature, Comics, and Film in French	
Advanced Language Course (complete one)		**3**
FRENCH 311	Advanced Composition and Speaking	
FRENCH 312	Advanced Writing Workshop	
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	
FRENCH 316	Study Abroad: Advanced French Language	
FRENCH 350	Applied French Language Studies	
FRENCH 590	Introduction to Phonetics	
Elective Courses		**6**
FRENCH 311	Advanced Composition and Speaking	
FRENCH 312	Advanced Writing Workshop	
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	
FRENCH 316	Study Abroad: Advanced French Language	
FRENCH 321	Medieval and Early Modern French Literature	
FRENCH 322	Modern French and Francophone Literature	
FRENCH 325	Visual Culture in French/ Francophone Studies	
FRENCH 347	Medieval and Early Modern Culture	
FRENCH 348	Modernity Studies	
FRENCH 350	Applied French Language Studies	
FRENCH 361	Study Abroad: French/Francophone Literature	
FRENCH 362	Study Abroad: French/Francophone Civilization	
FRENCH 420	Topics in French: Study Abroad	
FRENCH 430	Readings in Medieval and Renaissance Literature	
FRENCH 431	Readings in Early Modern Literature	
FRENCH 461	French/Francophone Literary Studies Across the Centuries	
FRENCH 462	French/Francophone Cultural Studies Across the Centuries	
FRENCH 464	Literature and Medicine in French-Speaking Cultures	
FRENCH 465	French/Francophone Film	
FRENCH 467	Aspects of Contemporary French Literature	
FRENCH 567	Undergraduate Seminar in French/ Francophone Literary Studies	
FRENCH 568	Undergraduate Seminar in French/ Francophone Cultural Studies	
FRENCH 569	Critical Approaches to Literature and Culture: French and Francophone Perspectives	
FRENCH 590	Introduction to Phonetics	
Total Credits		**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses.
- At least 12 credits of the FRENCH certificate must be taken in residence.
- At least 9 credits of the FRENCH certificate must be taken on campus. Study abroad programs sponsored by UW–Madison are considered in residence but are not on campus.
- Courses taken pass/fail are not eligible for the FRENCH certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Interpretive communication) Demonstrate that they understand and can analyze of literary and non-literary texts in French representing a variety of topics, time periods, and geographical regions.
2. (Presentational communication) Express themselves effectively in spoken and written French to inform, persuade, and narrate for different audiences of listeners, viewers, or readers.
3. (Interpersonal communication) Express themselves effectively in spoken and written French to share information, reactions, and opinions related to a variety of topics and texts.
4. (Cultural knowledge) Recognize and explain cultural artifacts, practices, and perspectives of the French-speaking world.
5. (Linguistic knowledge) Demonstrate a good degree of understanding of lexical, grammatical, syntactic, and stylistic features of the French language.
6. (Cross-cultural awareness) Demonstrate awareness of difference and diversity by comparing and contrasting culturally situated beliefs, behaviors, and norms of the French-speaking world with their own.
7. (Engagement with the French language and culture) Engage in a sustained fashion with the French language, its users, and cultural artifacts in and beyond the classroom, e.g., in their own community, virtual communities, and study abroad.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please follow the process described on the French & Italian webpage (https://frit.wisc.edu/academic-advising/).

For information about academic advising including language proficiency, language placement, and retrocredits, please visit our website or schedule an appointment with Mandi Schoville: frit.wisc.edu/academic-advising (https://frit.wisc.edu/academic-advising/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ITALIAN, BA

The Italian program at UW–Madison offers students opportunities for growth in the language and for increased cultural fluency through dynamic, in-class learning experiences and multiple extracurricular components such as the Italian Club (https://www.facebook.com/groups/28276254670/), Circolo della bella lingua (a regular language meet-up geared toward allowing students of all levels to practice their Italian speaking in an informal setting) and Cineteca Italiana (https://www.facebook.com/UWCineteca/), which organizes weekly screenings of Italian films.

Students intending to major in Italian or complete the certificate enter the program at the appropriate level depending on their language proficiency. If you have previous experience in the Italian language, please contact the undergraduate advisor (https://frit.wisc.edu/academic-advising/) for more information about the informal Italian placement test.

Italian major and certificate students complete their requirements through a combination of courses taken on campus and abroad with a UW–Madison study abroad program.

Students have the option to take a class for Honors at almost all levels. For more information, please see the department website and/or consult the undergraduate advisor (https://frit.wisc.edu/academic-advising/).

For courses in Italian literature in translation, see the Literature in Translation (https://guide.wisc.edu/courses/littrans/) course listing.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Italian certificate may not be declared in the Italian major at the same time. Italian certificate students who want to switch to the Italian major, must cancel their Italian certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students pursuing an Italian major must complete **24 credits beyond** ITALIAN 204 or ITALIAN 205. Only one Literature in Translation (LITTRANS) course can count towards the Italian major.[1]

Code	Title	Credits
Required Courses (complete three)		**9**
ITALIAN 230	Modern Italian Culture	
ITALIAN 311	Advanced Italian Language	
ITALIAN 312	Writing Workshop	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
Elective Courses		**15**
ITALIAN 150	Race, Ethnicity, and the Italian Americans	
ITALIAN 230	Modern Italian Culture	
ITALIAN 311	Advanced Italian Language	
ITALIAN 312	Writing Workshop	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
ITALIAN 340	Structures of Italian	
ITALIAN/ILS 350	Rome: Lust for Glory	

ITALIAN/ILS/ LITTRANS/ POLI SCI 365	Machiavelli and His World
ITALIAN 400	Italian American Cinema and TV
ITALIAN 420	Topics in Italian: Study Abroad
ITALIAN/ FRENCH/ PORTUG/ SPANISH 429	Introduction to the Romance Languages
ITALIAN/ MEDIEVAL/ RELIG ST 440	Poverty, Ecology and the Arts: St. Francis of Assisi
ITALIAN 450	Special Topics in Italian Literature
ITALIAN 452	Special Topics in Italian Studies: Culture, Film, Language
ITALIAN/ COM ARTS 460	Italian Film
ITALIAN 621	The 18th Century
ITALIAN 622	The 18th Century
ITALIAN 623	Italian Theatre
ITALIAN 631	Features in Italian Literature
ITALIAN 632	Features in Italian Literature
ITALIAN 636	The Italian Novel
ITALIAN/ MEDIEVAL 659	Dante's Divina Commedia
ITALIAN/ MEDIEVAL 671	The 13th Century
ITALIAN 681	Senior Honors Thesis
ITALIAN 682	Senior Honors Thesis
ITALIAN 691	Senior Thesis
ITALIAN 692	Senior Thesis
ITALIAN 698	Directed Study
ITALIAN 699	Directed Study
LITTRANS 200	Food Cultures in Italian Literature [1]
or LITTRANS 213	Love and Sex in Italian Comedy
or LITTRANS 24	National Identity in the Global World: The Italian Case
or LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy
or LITTRANS 25	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
or LITTRANS/ MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron
or LITTRANS 26	Italy and the Invention of America: from Columbus to World War II
or LITTRANS 41(	In Translation: Special Topics in Italian Literature
Total Credits	**24**

RESIDENCY AND QUALITY OF WORK

- 15 credits in ITALIAN taken on campus at UW–Madison. Study abroad programs sponsored by UW–Madison are considered in residence but are not on campus.
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence - (ITALIAN 300 and higher are considered upper-level in the major)
- 2.000 GPA in all ITALIAN and major courses

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Italian undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all ITALIAN courses and courses counting toward the major
- Complete at least 15 credits, taken for Honors, beyond ITALIAN 204 or ITALIAN 205, earning individual grades of B or better in each course. Of these 15 credits, 6 must come from completing a two-semester Senior Honors Thesis in ITALIAN 681 and ITALIAN 682.[2]

[1] Only one Literature in Translation course can count towards the Italian major.

[2] Students may be allowed to substitute two semesters of literature course work numbered above 600 for the Senior Honors Thesis. Please consult the undergraduate advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate that they understand and can analyze literary and non-literary texts in Italian representing a broad spectrum of topics, time periods, and geographical regions (interpretive communication).
2. Express themselves effectively in spoken and written Italian to inform, persuade, and narrate for different audiences of listeners, viewers, or readers (presentational communication).

3. Express themselves effectively in spoken and written Italian to share information, reactions, and opinions related to a broad spectrum of topics and texts (interpersonal communication).
4. Recognize and explain cultural artifacts, practices, and perspectives of the Italian-speaking world including how these cultural elements relate to literary and non-literary texts in Italian (cultural knowledge).
5. Demonstrate a good degree of understanding of lexical, grammatical, syntactic, and stylistic features of the Italian language (linguistic knowledge).
6. Demonstrate awareness of difference and diversity by comparing and contrasting culturally situated beliefs, behaviors, and norms of the Italian-speaking world with those found in their own culture (cross-cultural awareness).
7. Engage in a sustained fashion with the Italian language, its users, and cultural artifacts in and beyond the classroom, e.g., in their own community, virtual communities, and study abroad (engagement with the Italian language and culture).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
ITALIAN 101	4	ITALIAN 102	4
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	Biological Science Breadth	3
Social Science Breadth	4	Social Science Breadth	3
		Electives	3
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
ITALIAN 203	4	ITALIAN 204	4
Quantitative Reasoning B	4	Communication B	4
Social Science Breadth	3	Social Science Breadth	3
INTER-LS 210	1	Physical Science Breadth	3
Electives	4		
	16		**14**

Junior

Fall	Credits	Spring	Credits
ITALIAN 230	3	ITALIAN 312	3
ITALIAN 311	3	ITALIAN 321	3
Science Breadth	3	Science Breadth	3
Electives	6	Electives	6
	15		**15**

Senior

Fall	Credits	Spring	Credits
ITALIAN 322	3	ITALIAN/ COM ARTS 460	3
ITALIAN 340	3	ITALIAN 450	3
Electives	9	Electives	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the French & Italian webpage (https://frit.wisc.edu/academic-advising/).

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

CLUBS AND OTHER ACTIVITIES

The Italian Club (https://www.facebook.com/groups/28276254670/) is a registered student organization run by students involved in the Italian program and open to any and all UW community members who have an interest in Italian culture. Club members are encouraged to organize and participate in cultural events on campus and in the community, including our annual Cena italiana in the spring. Members of the Italian Club and Italian Ambassadors also organize the Circolo della bella lingua, a regular

language meet-up geared toward allowing students of all levels to practice their Italian speaking in an informal setting. Finally, the Cineteca Italiana (https://www.facebook.com/UWCineteca/) organizes weekly screenings of Italian films. Undergraduates are also welcome at scholarly talks and department events on an array of subjects (see department website (https://frit.wisc.edu/) for event details).

ITALIAN, BS

The Italian program at UW–Madison offers students opportunities for growth in the language and for increased cultural fluency through dynamic, in-class learning experiences and multiple extracurricular components such as the Italian Club (https://www.facebook.com/groups/28276254670/), Circolo della bella lingua (a regular language meet-up geared toward allowing students of all levels to practice their Italian speaking in an informal setting) and Cineteca Italiana (https://www.facebook.com/UWCineteca/), which organizes weekly screenings of Italian films.

Students intending to major in Italian or complete the certificate enter the program at the appropriate level depending on their language proficiency. If you have previous experience in the Italian language, please contact the undergraduate advisor (https://frit.wisc.edu/academic-advising/) for more information about the informal Italian placement test.

Italian major and certificate students complete their requirements through a combination of courses taken on campus and abroad with a UW–Madison study abroad program.

Students have the option to take a class for Honors at almost all levels. For more information, please see the department website and/or consult the undergraduate advisor (https://frit.wisc.edu/academic-advising/).

For courses in Italian literature in translation, see the Literature in Translation (https://guide.wisc.edu/courses/littrans/) course listing.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Italian certificate may not be declared in the Italian major at the same time. Italian certificate students who want to switch to the Italian major, must cancel their Italian certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.

Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students pursuing an Italian major must complete **24 credits beyond** ITALIAN 204 or ITALIAN 205. Only one Literature in Translation (LITTRANS) course can count towards the Italian major.[1]

Code	Title	Credits
Required Courses (complete three)		**9**
ITALIAN 230	Modern Italian Culture	
ITALIAN 311	Advanced Italian Language	
ITALIAN 312	Writing Workshop	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
Elective Courses		**15**
ITALIAN 150	Race, Ethnicity, and the Italian Americans	
ITALIAN 230	Modern Italian Culture	
ITALIAN 311	Advanced Italian Language	
ITALIAN 312	Writing Workshop	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
ITALIAN 340	Structures of Italian	
ITALIAN/ILS 350	Rome: Lust for Glory	
ITALIAN/ILS/LITTRANS/POLI SCI 365	Machiavelli and His World	
ITALIAN 400	Italian American Cinema and TV	
ITALIAN 420	Topics in Italian: Study Abroad	
ITALIAN/FRENCH/PORTUG/SPANISH 429	Introduction to the Romance Languages	
ITALIAN/MEDIEVAL/RELIG ST 440	Poverty, Ecology and the Arts: St. Francis of Assisi	
ITALIAN 450	Special Topics in Italian Literature	
ITALIAN 452	Special Topics in Italian Studies: Culture, Film, Language	
ITALIAN/COM ARTS 460	Italian Film	
ITALIAN 621	The 18th Century	
ITALIAN 622	The 18th Century	
ITALIAN 623	Italian Theatre	
ITALIAN 631	Features in Italian Literature	
ITALIAN 632	Features in Italian Literature	
ITALIAN 636	The Italian Novel	
ITALIAN/MEDIEVAL 659	Dante's Divina Commedia	
ITALIAN/MEDIEVAL 671	The 13th Century	
ITALIAN 681	Senior Honors Thesis	
ITALIAN 682	Senior Honors Thesis	
ITALIAN 691	Senior Thesis	
ITALIAN 692	Senior Thesis	
ITALIAN 698	Directed Study	
ITALIAN 699	Directed Study	
LITTRANS 200	Food Cultures in Italian Literature [1]	
or LITTRANS 213	Love and Sex in Italian Comedy	
or LITTRANS 240	National Identity in the Global World: The Italian Case	
or LITTRANS/MEDIEVAL/RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	
or LITTRANS 255	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance	
or LITTRANS/MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron	
or LITTRANS 260	Italy and the Invention of America: from Columbus to World War II	
or LITTRANS 410	In Translation: Special Topics in Italian Literature	
Total Credits		**24**

RESIDENCY AND QUALITY OF WORK

- 15 credits in ITALIAN taken on campus at UW–Madison. Study abroad programs sponsored by UW–Madison are considered in residence but are not on campus.
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence - (ITALIAN 300 and higher are considered upper-level in the major)
- 2.000 GPA in all ITALIAN and major courses

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Italian undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all ITALIAN courses and courses counting toward the major
- Complete at least 15 credits, taken for Honors, beyond ITALIAN 204 or ITALIAN 205, earning individual grades of B or better in each course. Of these 15 credits, 6 must come from completing a two-semester Senior Honors Thesis in ITALIAN 681 and ITALIAN 682.[2]

[1] Only one Literature in Translation course can count towards the Italian major.

[2] Students may be allowed to substitute two semesters of literature course work numbered above 600 for the Senior Honors Thesis. Please consult the undergraduate advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate that they understand and can analyze literary and non-literary texts in Italian representing a broad spectrum of topics, time periods, and geographical regions (interpretive communication).
2. Express themselves effectively in spoken and written Italian to inform, persuade, and narrate for different audiences of listeners, viewers, or readers (presentational communication).
3. Express themselves effectively in spoken and written Italian to share information, reactions, and opinions related to a broad spectrum of topics and texts (interpersonal communication).
4. Recognize and explain cultural artifacts, practices, and perspectives of the Italian-speaking world including how these cultural elements relate to literary and non-literary texts in Italian (cultural knowledge).
5. Demonstrate a good degree of understanding of lexical, grammatical, syntactic, and stylistic features of the Italian language (linguistic knowledge).
6. Demonstrate awareness of difference and diversity by comparing and contrasting culturally situated beliefs, behaviors, and norms of the Italian-speaking world with those found in their own culture (cross-cultural awareness).
7. Engage in a sustained fashion with the Italian language, its users, and cultural artifacts in and beyond the classroom, e.g., in their own community, virtual communities, and study abroad (engagement with the Italian language and culture).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
ITALIAN 101	4	ITALIAN 102	4
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	Biological Science Breadth	3
Social Science Breadth	4	Social Science Breadth	3
		Electives	3
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
ITALIAN 203	4	ITALIAN 204	4
Quantitative Reasoning B	4	Communication B	4
Social Science Breadth	3	Social Science Breadth	3
INTER-LS 210	1	Physical Science Breadth	3
Electives	4		
	16		**14**

Junior

Fall	Credits	Spring	Credits
ITALIAN 230	3	ITALIAN 312	3
ITALIAN 311	3	ITALIAN 321	3
Science Breadth	3	Science Breadth	3
Electives	6	Electives	6
	15		**15**

Senior		
Fall	**Credits Spring**	**Credits**
ITALIAN 322	3 ITALIAN/ COM ARTS 460	3
ITALIAN 340	3 ITALIAN 450	3
Electives	9 Electives	9
	15	**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the French & Italian webpage (https://frit.wisc.edu/academic-advising/).

For information about academic advising including language proficiency, language placement, and retrocredits, please visit our website or schedule an appointment with the undergraduate advisor.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

CLUBS AND OTHER ACTIVITIES

The Italian Club (https://www.facebook.com/groups/28276254670/) is a registered student organization run by students involved in the Italian program and open to any and all UW community members who have an interest in Italian culture. Club members are encouraged to organize and participate in cultural events on campus and in the community, including our annual Cena italiana in the spring. Members of the Italian Club and Italian Ambassadors also organize the Circolo della bella lingua, a regular language meet-up geared toward allowing students of all levels to practice their Italian speaking in an informal setting. Finally, the Cineteca Italiana (https://www.facebook.com/UWCineteca/) organizes weekly screenings of Italian films. Undergraduates are also welcome at scholarly talks and department events on an array of subjects (see department website (https://frit.wisc.edu/) for event details).

ITALIAN, CERTIFICATE

The undergraduate certificate in Italian offers students the opportunity to develop their proficiency in Italian language and their knowledge of literature and culture in the Italian-speaking world. Advanced courses (300 and 400 level) will allow students to build on the foundation developed in 200-level courses by choosing from a range of courses in Italian literature, linguistics, cinema, culture, and professional communication. The certificate also strengthens the applications of students who intend to pursue careers or graduate study in areas where Italian is useful.

HOW TO GET IN

HOW TO GET IN

Degree seeking students can declare an Italian certificate at any time. For more information and/or to declare the Italian certificate, please see the department website (https://frit.wisc.edu/).

Students declared in the Italian major may not be declared in the Italian certificate at the same time. Italian major students who want to switch to the Italian certificate, must cancel the Italian major.

REQUIREMENTS

REQUIREMENTS

Students pursuing an Italian certificate must complete **15 credits beyond** ITALIAN 204 or ITALIAN 205. Only one Literature in Translation (LITTRANS) course can count towards the Italian certificate.[1]

Code	Title	Credits
Required Courses (complete two):		**6**
ITALIAN 230	Modern Italian Culture	
ITALIAN 311	Advanced Italian Language	
ITALIAN 312	Writing Workshop	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
Elective Courses		**9**
ITALIAN 150	Race, Ethnicity, and the Italian Americans	
ITALIAN 230	Modern Italian Culture	
ITALIAN 311	Advanced Italian Language	
ITALIAN 312	Writing Workshop	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
ITALIAN 340	Structures of Italian	

ITALIAN/ILS 350	Rome: Lust for Glory (Taught in English)
ITALIAN/ILS/ LITTRANS/ POLI SCI 365	Machiavelli and His World (Taught in English)
ITALIAN 400	Italian American Cinema and TV
ITALIAN 420	Topics in Italian: Study Abroad
ITALIAN/ FRENCH/ PORTUG/ SPANISH 429	Introduction to the Romance Languages (Taught in English)
ITALIAN 450	Special Topics in Italian Literature
ITALIAN 452	Special Topics in Italian Studies: Culture, Film, Language
ITALIAN/ COM ARTS 460	Italian Film (Taught in English)
ITALIAN 621	The 18th Century
ITALIAN 622	The 18th Century
ITALIAN 623	Italian Theatre
ITALIAN 631	Features in Italian Literature
ITALIAN 632	Features in Italian Literature
ITALIAN 636	The Italian Novel
ITALIAN/ MEDIEVAL 659	Dante's Divina Commedia
ITALIAN/ MEDIEVAL 671	The 13th Century
ITALIAN 698	Directed Study
ITALIAN 699	Directed Study
LITTRANS 200	Food Cultures in Italian Literature [1]
or LITTRANS 213	Love and Sex in Italian Comedy
or LITTRANS 248	National Identity in the Global World: The Italian Case
or LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy
or LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
or LITTRANS/ MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron
or LITTRANS 260	Italy and the Invention of America: from Columbus to World War II
or LITTRANS 410	In Translation: Special Topics in Italian Literature
Total Credits	**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all certificate courses.
- At least 9 credits of the ITALIAN certificate must be taken on campus. Study abroad programs sponsored by UW–Madison are considered in residence but are not on campus.
- Courses taken pass/fail are not eligible for the ITALIAN certificate.

FOOTNOTES

[1] Only one Literature in Translation course can count towards the Italian certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Interpretive communication) Demonstrate that they understand and can analyze of literary and nonliterary texts in Italian representing a variety of topics, time periods, and geographical regions.
2. (Presentational communication) Express themselves effectively in spoken and written Italian to inform, persuade, and narrate for different audiences of listeners, viewers, or readers.
3. (Interpersonal communication) Express themselves effectively in spoken and written Italian to share information, reactions, and opinions related to a variety of topics and texts.
4. (Cultural knowledge) Recognize and explain cultural artifacts, practices, and perspectives of the Italian-speaking world.
5. (Linguistic knowledge) Demonstrate a good degree of understanding of lexical, grammatical, syntactic, and stylistic features of the Italian language.
6. (Cross-cultural awareness) Demonstrate awareness of difference and diversity by comparing and contrasting culturally situated beliefs, behaviors, and norms of the Italian-speaking world with their own.
7. (Engagement with the Italian language and culture) Engage in a sustained fashion with the Italian language, its users, and cultural artifacts in and beyond the classroom, e.g., in their own community, virtual communities, and study abroad.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please follow the process described on the French & Italian webpage (https://frit.wisc.edu/academic-advising/).

For information about academic advising including language proficiency, language placement, and retrocredits, please visit our website or schedule an appointment with Mandi Schoville: frit.wisc.edu/academic-advising (https://frit.wisc.edu/academic-advising/)

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GENDER AND WOMEN'S STUDIES

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Gender and Women's Studies, BA (p. 728)
- Gender and Women's Studies, BS (p. 735)
- Gender and Women's Studies, Certificate (p. 743)
- LGBTQ+ Studies, Certificate (p. 746)

GENDER AND WOMEN'S STUDIES, BA

The Gender and Women's Studies curriculum provides a platform for students to study how equity and social justice are connected to gender, sexuality, and identity. Gender and Women's Studies students explore the field through traditional disciplines, such as literature, history, anthropology, sociology, public health, education, law, biology, psychology, political science, and the visual arts. Students in our courses (https://guide.wisc.edu/courses/gen_ws/) develop strong analytical and communication skills through classroom discussion, writing, and independent projects. Undergraduates in our programs can pursue research skills through thesis writing, as well as professional development opportunities through career workshops with alumni and in our internship program. As a result, graduates from our programs apply a critical lens in fields like health and public policy, social justice and advocacy, reproductive justice, non-profit administration, clinical medicine, software development, communications, and media production.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Declaring the major as early as possible allows students to best align major coursework with their interests.

Students declared in the Certificate in Gender and Women's Studies at the Undergraduate Level may not be declared in the Gender and Women's Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Majors in Gender and Women's Studies are required to take foundational work in GEN&WS courses reflecting each of four approaches to knowledge (humanities, social science, theory, and biological or health sciences), one course from three of four issue areas (sexuality, disability and embodiment, race/ethnicity, and global), and a capstone seminar or thesis.

All majors complete a minimum of 30 credits in GEN&WS including: [1]

INTRODUCTORY GEN&WS

Code	Title	Credits
GEN&WS 101	Gender, Women, and Cultural Representation [2]	3
or GEN&WS 102	Gender, Women, and Society in Global Perspective	
GEN&WS 103	Gender, Women, Bodies, and Health	3
Total Credits		**6**

APPROACHES [3]

1 course from each area:

Biology and Health

Explore health as both a physiological and a socio#cultural experience, and recognize ways in which gender and other axes of social inequality influence health. Develop critical tools to place the medical field, scientific research, and public health and policy organizations into social contexts, and recognize how these institutions both can reflect and perpetuate dominant ideologies. Learn about feminist approaches to, and histories of, science, medicine, and health activism.

Code	Title	Credits
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 524	Race, Gender, Health, and Medicine	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 528	Sexuality and Science	3
GEN&WS 529	The Science and Politics of Reproductive Health	3
GEN&WS 530	Biology and Gender	3
GEN&WS/HIST SCI/ MED HIST 531	Women and Health in American History	3
GEN&WS/HIST SCI/ MED HIST 532	The History of the (American) Body	3
GEN&WS 533	Special Topics in Gender and Biology	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 538	Special Topics in LGBTQ+ Health	3
GEN&WS 539	Special Topics in Gender and Health	3

Humanities

Engage with humanities-based theories, content areas, and methodologies as they relate to gender and women's studies. These include, but are not limited to, critical text analysis, discourse analysis, historical approaches and archival work, media studies, ethnography, and digital humanities. (GEN&WS courses with H, L or Z designations)

Code	Title	Credits
GEN&WS 105	Intersectional Approaches to Disability Studies	3
GEN&WS/ HISTORY 134	Women and Gender in World History	3-4
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
GEN&WS/ LITTRANS 205	Women in Russian Literature in Translation	3-4
GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies	3
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	3
GEN&WS 240	Feminist Approach to Research and Writing	3
GEN&WS/ ENGL 248	Women in Ethnic American Literature	3
GEN&WS/ LITTRANS 270	German Women Writers in Translation	3
FRENCH/ GEN&WS 285	Rebellious Women from the Global South	3-4
GEN&WS/ RELIG ST 305	Women, Gender and Religion	3
GEN&WS 310	Special Topics in Gender, Women and the Humanities	1-3
GEN&WS 319	Study Abroad Special Topic: Gender, Women and the Humanities	3-4
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	3
GEN&WS/ AFROAMER 324	Black Women in America: Reconstruction to the Present	3
GEN&WS/ AFROAMER 326	Race and Gender in Post-World War II U.S. Society	3
GEN&WS 330	Topics in Gender/Class/Race/ Ethnicity (Humanities)	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 343	Queer Bodies	3
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS 345	Narrating Queer Lives	3
GEN&WS/ HISTORY 346	Trans/Gender in Historical Perspective	3-4
GEN&WS/ ENGL 350	Special Topics in Gender & Literature	3
GEN&WS/ CLASSICS 351	Women and Gender in the Classical World	3-4
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ ENGL 359	Visionary and Speculative Fiction: Social Justice Approaches	3
GEN&WS/ CLASSICS 361	Sex and Power in Greece and Rome	3
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS 370	Topics in Gender and Disability	3
GEN&WS 374	Disability, Gender and Sexuality	3
GEN&WS/ENGL 401	Race, Sex, and Texts (How to do things with writing)	3
GEN&WS 410	Special Topics in Gender and Visual Culture	3
GEN&WS 412	Contemporary Queer Art and Visual Culture	3
GEN&WS/ THEATRE 415	Introduction to Contemporary Feminist Theatre and Criticism	3
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS/ FOLKLORE 428	Gender and Expressive Culture	3
GEN&WS/ AMER IND/ ANTHRO/ FOLKLORE 437	American Indian Women	3
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia	3
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS 445	The Body in Theory	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ PORTUG 450	Brazillian Women Writers	3
GEN&WS/ PORTUG 460	Carmen Miranda	3
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature	3
GEN&WS/ ASIAN AM/ ENGL 464	Asian American Women Writers	3
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS/HIST SCI/ MED HIST 532	The History of the (American) Body	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ PHILOS 556	Topics in Feminism and Philosophy	3
GEN&WS/ AFROAMER 624	African American Women's Activism (19th & 20th Centuries)	3

GEN&WS/ AFROAMER 625	Gender, Race and the Civil Rights Movement	3
GEN&WS/ AFROAMER 677	Critical and Theoretical Perspectives in Black Women's Writings	3

Social Science

Engage with social-science-based theories, content areas, and methodologies as they relate to gender and women's studies. These include, but are not limited to, scientific and clinical research, statistical analysis, mixed-methods approaches, and theories of social change. (GEN&WS courses with S or Z designations)

Code	Title	Credits
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS/ HISTORY 134	Women and Gender in World History	3-4
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
GEN&WS 240	Feminist Approach to Research and Writing	3
GEN&WS 320	Special Topics in Gender, Women and Society	1-3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS 329	Study Abroad Special Topic: Gender, Women in Society	3-4
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
C&E SOC/GEN&WS/ SOC 347	Gender and Sexuality in Rural Places	3
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	3-4
GEN&WS/ HISTORY 392	Women and Gender in Modern Europe	3-4
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS 420	Women in Cross-Societal Perspective	3
GEN&WS/ LEGAL ST 422	Women and the Law	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ LEGAL ST/SOC 425	Crime, Gender and Justice	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS/ ANTHRO 443	Anthropology by Women	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ POLI SCI 469	Women and Politics	3-4
GEN&WS 472	Food for Thought: An Intersectional Approach	3
GEN&WS/ GEOG 504	Feminist Geography: Theoretical Approaches	3
GEN&WS/ PSYCH 522	Psychology of Women and Gender	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 524	Race, Gender, Health, and Medicine	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 528	Sexuality and Science	3
GEN&WS 529	The Science and Politics of Reproductive Health	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 538	Special Topics in LGBTQ+ Health	3
GEN&WS 539	Special Topics in Gender and Health	3
GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS/ PHILOS 556	Topics in Feminism and Philosophy	3
GEN&WS/ ED POL 560	Gender and Education	3

Feminist Theory

Explore feminist theoretical approaches, both national and international.

Code	Title	Credits
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality (Theory)	3
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS 445	The Body in Theory	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3

GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS 547	Theorizing Intersectionality	3

ISSUE AREAS [3]

Race/Ethnicity

Explore the role of race/ethnicity as a tool of creating, identifying, materializing, and solidifying human difference. These courses may explore the construction and deployment of race/ethnicity anywhere in the world.

Code	Title	Credits
GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies	3
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	3
GEN&WS/ ENGL 248	Women in Ethnic American Literature	3
GEN&WS/ AFROAMER 267	Artistic/Cultural Images of Black Women	3
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS/ AFROAMER 324	Black Women in America: Reconstruction to the Present	3
GEN&WS/ AFROAMER 326	Race and Gender in Post-World War II U.S. Society	3
GEN&WS 330	Topics in Gender/Class/Race/ Ethnicity (Humanities)	3
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	3-4
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS/ AMER IND/ ANTHRO/ FOLKLORE 437	American Indian Women	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS/ PORTUG 450	Brazillian Women Writers	3
GEN&WS/ PORTUG 460	Carmen Miranda	3
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature	3
GEN&WS/ ASIAN AM/ ENGL 464	Asian American Women Writers	3
GEN&WS 524	Race, Gender, Health, and Medicine	3
GEN&WS 529	The Science and Politics of Reproductive Health	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ AFROAMER 624	African American Women's Activism (19th & 20th Centuries)	3
GEN&WS/ AFROAMER 625	Gender, Race and the Civil Rights Movement	3
GEN&WS/ AFROAMER 677	Critical and Theoretical Perspectives in Black Women's Writings	3

Global

Explore aspects of gender in a comparative national frame. These classes may focus on the process of globalization or they may focus on gendered concerns in at least two national contexts.

Code	Title	Credits
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS 320	Special Topics in Gender, Women and Society (Global)	3
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS 420	Women in Cross-Societal Perspective	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ FOLKLORE 428	Gender and Expressive Culture	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia	3
GEN&WS/ ANTHRO 443	Anthropology by Women	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3

Sexuality

Explore "sexuality" under the assumption that sexuality is not a natural or self-evident attribute or category, these courses demonstrate how sexuality has come to assume a variety of culturally specific but often contested meanings.

Code	Title	Credits
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
GEN&WS 320	Special Topics in Gender, Women and Society (Sexuality)	3
GEN&WS 320	Special Topics in Gender, Women and Society (Queer)	3
GEN&WS 320	Special Topics in Gender, Women and Society (LGBTQ+)	3

GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 343	Queer Bodies	3
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS 345	Narrating Queer Lives	3
GEN&WS/ HISTORY 346	Trans/Gender in Historical Perspective	3-4
C&E SOC/GEN&WS/ SOC 347	Gender and Sexuality in Rural Places	3
GEN&WS/ CLASSICS 351	Women and Gender in the Classical World	3-4
GEN&WS/ CLASSICS 361	Sex and Power in Greece and Rome	3
GEN&WS 374	Disability, Gender and Sexuality	3
GEN&WS 412	Contemporary Queer Art and Visual Culture	3
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature	3
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS 528	Sexuality and Science	3
GEN&WS/HIST SCI/ MED HIST 532	The History of the (American) Body	3
GEN&WS 533	Special Topics in Gender and Biology (Sexuality)	3
GEN&WS 533	Special Topics in Gender and Biology (Queer)	3
GEN&WS 533	Special Topics in Gender and Biology (LGBTQ+)	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS 538	Special Topics in LGBTQ+ Health	3

Disability & Embodiment

Examine the creation and evolution of different categories of embodiment and the experience of living through and as bodies These courses focus on gender and disability, exploring disability as a social category, a medical realm, a political identity, an analytical approach, and a lived experience.

Code	Title	Credits
GEN&WS 105	Intersectional Approaches to Disability Studies	3
GEN&WS 320	Special Topics in Gender, Women and Society (Disability)	3
GEN&WS 343	Queer Bodies	3
GEN&WS 370	Topics in Gender and Disability	3
GEN&WS 374	Disability, Gender and Sexuality	3
GEN&WS 445	The Body in Theory	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3

CAPSTONE [4]

Code	Title	Credits
Capstone course or Thesis Sequence:		**3-6**
GEN&WS 640	Capstone Seminar in Gender and Women's Studies	
GEN&WS 681 & GEN&WS 682	Senior Honors Thesis I and Senior Honors Thesis II	
GEN&WS 691 & GEN&WS 692	Senior Thesis I and Senior Thesis II	
Total Credits		**3-6**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all GEN&WS and major courses
- 2.000 GPA on 15 upper-level major credits, taken in Residence [5]
- 15 credits in GEN&WS, taken on the UW–Madison campus

FOOTNOTES

[1] A maximum of three courses designated as elementary level may apply in the major, overall. Directed study courses typically do not count toward the minimum credits required in the major.

[2] GEN&WS 101 and GEN&WS 102 cannot both count toward the coursework required in the Gender and Women's Studies major. Students must choose one of these courses.

[3] A single course may apply to both an Approach and an Issue Area. However, a single course may not apply to more than one Approach or to more than one Issue Area.

[4] Students interested in the doing research in Gender & Women's Studies will develop a thesis topic in consultation with a member of the faculty. The senior thesis course sequence (GEN&WS 691-GEN&WS 692 or GEN&WS 681-GEN&WS 682) serves as the capstone requirement for the major. In this case, the student may still count GEN&WS 640 as an elective in the major.

[5] Courses in GEN&WS with Intermediate or Advanced level designation are considered upper level in the major.

HONORS IN THE MAJOR

To declare Honors in the Major in Gender and Women's Studies, students must submit a letter of application to the undergraduate advisor prior to enrollment in GEN&WS 681. The letter should include:

- A list of all planned and declared degrees, major and certificate programs
- Area(s) of research interest within gender and women's studies and ideas for an Senior Honors Thesis
- A letter from a faculty member agreeing to supervise the thesis project

HONORS IN THE GENDER AND WOMEN'S STUDIES MAJOR REQUIREMENTS

To earn Honors in the Major in Gender and Women's Studies, students must satisfy the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all GEN&WS courses
- Complete at least 2 GEN&WS courses totaling 6 or more credits for Honors and earn grades of B or higher
- Complete GEN&WS 681 and GEN&WS 682 for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Knowledge of core concepts of gender and women's studies, including: gender, intersectionality, feminist theory, epistemology, class, race/ethnicity, global processes, sexuality, disability & embodiment, health and science, and contemporary and historical issues.
2. Intellectual and practical skills relating to gender and women's studies, including: problem solving, research and inquiry, interdisciplinarity, critical thinking, writing, oral communication, collaboration, creativity, and career skills.
3. Personal and social responsibility anchored through active involvement with diverse communities and real-world challenges. This category may include things like developing critical self and social awareness, applying ethical frameworks, learning through engaged practices.
4. Integrative learning demonstrated through the application of knowledge, skills and responsibilities to new settings and complex problems. This category may be acquired through advanced accomplishment and/or the application beyond the Gender & Women's Studies classroom to, for example, one's life, to activist project, and/or to non-Gender & Women's Studies academic coursework.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication-A, complete during the first year	3	Ethnic Studies, complete in your first 60 credits	3
Quantitative Reasoning-A, complete during the first year	3	Foreign Language, if required	4
Foreign Language, if required	4	GEN&WS 103	3
GEN&WS 102	3	L&S Breadth	3
First Year Seminar (optional)	1	I/A Comp Sci, Math, or Statistics, if required for the BS	3
	14		**16**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning-B, consult with an advisor about options and when to complete this course	3	Communication-B, consult with an advisor about options and when to complete this course	3
GEN&WS Humanities Approach/Disability & Embodiment Issue Area	3	GEN&WS Social Science Approach	3
L&S Breadth	3	L&S Breadth	3
Electives	6	Electives	5
		INTER-LS 210	1
	15		**15**

Third Year

Fall	Credits	Spring	Credits
GEN&WS Feminist Theory Approach	3	GEN&WS Elective/Race & Ethnicity Issue Area	3
I/A Comp Sci, Math, or Statistics, if required for the BS	3	GEN&WS Bio/Health Approach	3
L&S Breadth	3	L&S Breadth	3
Electives	6	Electives	6
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
GEN&WS Elective/ Global Issue		3 GEN&WS 660 (optional)	3
Capstone Seminar		3 Electives	12
Electives		9	
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Gender and Women's Studies website. (https://gws.wisc.edu/declaring-in-gws-lgbtq-studies/)

ADVISING

Working with your advisor helps you create a meaningful course plan as you complete your degree, major and/or certificate requirements. The undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) is available to consult on a variety of topics, including declaring the major and/or certificate, course selection and building a four-year plan, study abroad, volunteer and internship opportunities on campus and in the community, applying to graduate programs, and preparing for the job market after graduation.

INTERNSHIP PROGRAM IN GENDER AND WOMEN'S STUDIES

Applied learning through professional experiences in Gender and Women's Studies provides an opportunity for students to connect academic knowledge with community-based practice. Recognizing the power and importance of experiential and community-based learning, the Department of Gender and Women's Studies proudly offers local and global internship opportunities. In the internship program, students work with organizations to apply their coursework in gender and women's studies to specific issues in the community. The accompanying seminar, Internship in Gender and Women's Studies (GEN&WS 660, 3 cr) offers a venue for students to engage deeply in feminist-based work and reflection while thinking critically about how to participate as feminists in activism and professional settings.

CAREER DEVELOPMENT IN GENDER AND WOMEN'S STUDIES

The Department of Gender and Women's Studies is committed to helping our students articulate how skills and concepts learned in the classroom can be cultivated in professional settings. As reflected in our Learning Outcomes, (p.) students in Gender and Women's Studies develop important transferable skills in written and oral communication, critical thinking, problem solving, and collaboration, as well as critical self and social awareness. The department continues to expand career development opportunities for our students as we work with our alumni to offer workshops, panels, and networking opportunities. Contact the undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) to learn more about career development opportunities in Gender & Women's Studies.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GENDER AND WOMEN'S STUDIES, BS

The Gender and Women's Studies curriculum provides a platform for students to study how equity and social justice are connected to gender, sexuality, and identity. Gender and Women's Studies students explore the field through traditional disciplines, such as literature, history, anthropology, sociology, public health, education, law, biology, psychology, political science, and the visual arts. Students in our courses (https://guide.wisc.edu/courses/gen_ws/) develop strong analytical and communication skills through classroom discussion, writing, and independent projects. Undergraduates in our programs can pursue research skills through thesis writing, as well as professional development opportunities through career workshops with alumni and in our internship program. As a result, graduates from our programs apply a critical lens in fields like health and public policy, social justice and advocacy, reproductive justice, non-profit administration, clinical medicine, software development, communications, and media production.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None

Credits required to get in	None
Other	None

Declaring the major as early as possible allows students to best align major coursework with their interests.

Students declared in the Certificate in Gender and Women's Studies at the Undergraduate Level may not be declared in the Gender and Women's Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth–Humanities/Literature/Arts: 6 credits
- Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth–Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Majors in Gender and Women's Studies are required to take foundational work in GEN&WS courses reflecting each of four approaches to knowledge (humanities, social science, theory, and biological or health sciences), one course from three of four issue areas (sexuality, disability and embodiment, race/ethnicity, and global), and a capstone seminar or thesis.

All majors complete a minimum of 30 credits in GEN&WS including: [1]

INTRODUCTORY GEN&WS

Code	Title	Credits
GEN&WS 101	Gender, Women, and Cultural Representation [2]	3
or GEN&WS 102	Gender, Women, and Society in Global Perspective	
GEN&WS 103	Gender, Women, Bodies, and Health	3
Total Credits		**6**

APPROACHES [3]

1 course from each area:

Biology and Health

Explore health as both a physiological and a socio#cultural experience, and recognize ways in which gender and other axes of social inequality influence health. Develop critical tools to place the medical field, scientific research, and public health and policy organizations into social contexts, and recognize how these institutions both can reflect and perpetuate dominant ideologies.

Learn about feminist approaches to, and histories of, science, medicine, and health activism.

Code	Title	Credits
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 524	Race, Gender, Health, and Medicine	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 528	Sexuality and Science	3
GEN&WS 529	The Science and Politics of Reproductive Health	3
GEN&WS 530	Biology and Gender	3
GEN&WS/HIST SCI/ MED HIST 531	Women and Health in American History	3
GEN&WS/HIST SCI/ MED HIST 532	The History of the (American) Body	3
GEN&WS 533	Special Topics in Gender and Biology	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 538	Special Topics in LGBTQ+ Health	3
GEN&WS 539	Special Topics in Gender and Health	3

Humanities

Engage with humanities-based theories, content areas, and methodologies as they relate to gender and women's studies. These include, but are not limited to, critical text analysis, discourse analysis, historical approaches and archival work, media studies, ethnography, and digital humanities. (GEN&WS courses with H, L or Z designations)

Code	Title	Credits
GEN&WS 105	Intersectional Approaches to Disability Studies	3
GEN&WS/ HISTORY 134	Women and Gender in World History	3-4
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
GEN&WS/ LITTRANS 205	Women in Russian Literature in Translation	3-4
GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies	3
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	3
GEN&WS 240	Feminist Approach to Research and Writing	3
GEN&WS/ ENGL 248	Women in Ethnic American Literature	3
GEN&WS/ LITTRANS 270	German Women Writers in Translation	3
FRENCH/ GEN&WS 285	Rebellious Women from the Global South	3-4
GEN&WS/ RELIG ST 305	Women, Gender and Religion	3
GEN&WS 310	Special Topics in Gender, Women and the Humanities	1-3
GEN&WS 319	Study Abroad Special Topic: Gender, Women and the Humanities	3-4
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	3
GEN&WS/ AFROAMER 324	Black Women in America: Reconstruction to the Present	3
GEN&WS/ AFROAMER 326	Race and Gender in Post-World War II U.S. Society	3
GEN&WS 330	Topics in Gender/Class/Race/ Ethnicity (Humanities)	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 343	Queer Bodies	3
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS 345	Narrating Queer Lives	3
GEN&WS/ HISTORY 346	Trans/Gender in Historical Perspective	3-4
GEN&WS/ ENGL 350	Special Topics in Gender & Literature	3
GEN&WS/ CLASSICS 351	Women and Gender in the Classical World	3-4
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ ENGL 359	Visionary and Speculative Fiction: Social Justice Approaches	3
GEN&WS/ CLASSICS 361	Sex and Power in Greece and Rome	3
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS 370	Topics in Gender and Disability	3
GEN&WS 374	Disability, Gender and Sexuality	3
GEN&WS/ENGL 401	Race, Sex, and Texts (How to do things with writing)	3
GEN&WS 410	Special Topics in Gender and Visual Culture	3
GEN&WS 412	Contemporary Queer Art and Visual Culture	3
GEN&WS/ THEATRE 415	Introduction to Contemporary Feminist Theatre and Criticism	3
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS/ FOLKLORE 428	Gender and Expressive Culture	3

GEN&WS/ AMER IND/ ANTHRO/ FOLKLORE 437	American Indian Women	3
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia	3
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS 445	The Body in Theory	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ PORTUG 450	Brazillian Women Writers	3
GEN&WS/ PORTUG 460	Carmen Miranda	3
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature	3
GEN&WS/ ASIAN AM/ ENGL 464	Asian American Women Writers	3
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS/HIST SCI/ MED HIST 532	The History of the (American) Body	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ PHILOS 556	Topics in Feminism and Philosophy	3
GEN&WS/ AFROAMER 624	African American Women's Activism (19th & 20th Centuries)	3
GEN&WS/ AFROAMER 625	Gender, Race and the Civil Rights Movement	3
GEN&WS/ AFROAMER 677	Critical and Theoretical Perspectives in Black Women's Writings	3

Social Science

Engage with social-science-based theories, content areas, and methodologies as they relate to gender and women's studies. These include, but are not limited to, scientific and clinical research, statistical analysis, mixed-methods approaches, and theories of social change. (GEN&WS courses with S or Z designations)

Code	Title	Credits
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS/ HISTORY 134	Women and Gender in World History	3-4
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
GEN&WS 240	Feminist Approach to Research and Writing	3
GEN&WS 320	Special Topics in Gender, Women and Society	1-3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS 329	Study Abroad Special Topic: Gender, Women in Society	3-4
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
C&E SOC/GEN&WS/ SOC 347	Gender and Sexuality in Rural Places	3
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	3-4
GEN&WS/ HISTORY 392	Women and Gender in Modern Europe	3-4
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS 420	Women in Cross-Societal Perspective	3
GEN&WS/ LEGAL ST 422	Women and the Law	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ LEGAL ST/SOC 425	Crime, Gender and Justice	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS/ ANTHRO 443	Anthropology by Women	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ POLI SCI 469	Women and Politics	3-4
GEN&WS 472	Food for Thought: An Intersectional Approach	3
GEN&WS/ GEOG 504	Feminist Geography: Theoretical Approaches	3
GEN&WS/ PSYCH 522	Psychology of Women and Gender	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 524	Race, Gender, Health, and Medicine	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 528	Sexuality and Science	3

GEN&WS 529	The Science and Politics of Reproductive Health	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 538	Special Topics in LGBTQ+ Health	3
GEN&WS 539	Special Topics in Gender and Health	3
GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS/ PHILOS 556	Topics in Feminism and Philosophy	3
GEN&WS/ ED POL 560	Gender and Education	3

Feminist Theory

Explore feminist theoretical approaches, both national and international.

Code	Title	Credits
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality (Theory)	3
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS 445	The Body in Theory	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS 547	Theorizing Intersectionality	3

ISSUE AREAS [3]

Race/Ethnicity

Explore the role of race/ethnicity as a tool of creating, identifying, materializing, and solidifying human difference. These courses may explore the construction and deployment of race/ethnicity anywhere in the world.

Code	Title	Credits
GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies	3
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	3
GEN&WS/ ENGL 248	Women in Ethnic American Literature	3
GEN&WS/ AFROAMER 267	Artistic/Cultural Images of Black Women	3
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS/ AFROAMER 324	Black Women in America: Reconstruction to the Present	3
GEN&WS/ AFROAMER 326	Race and Gender in Post-World War II U.S. Society	3
GEN&WS 330	Topics in Gender/Class/Race/ Ethnicity (Humanities)	3
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	3-4
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS/ AMER IND/ ANTHRO/ FOLKLORE 437	American Indian Women	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS/ PORTUG 450	Brazillian Women Writers	3
GEN&WS/ PORTUG 460	Carmen Miranda	3
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature	3
GEN&WS/ ASIAN AM/ ENGL 464	Asian American Women Writers	3
GEN&WS 524	Race, Gender, Health, and Medicine	3
GEN&WS 529	The Science and Politics of Reproductive Health	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ AFROAMER 624	African American Women's Activism (19th & 20th Centuries)	3
GEN&WS/ AFROAMER 625	Gender, Race and the Civil Rights Movement	3
GEN&WS/ AFROAMER 677	Critical and Theoretical Perspectives in Black Women's Writings	3

Global

Explore aspects of gender in a comparative national frame. These classes may focus on the process of globalization or they may focus on gendered concerns in at least two national contexts.

Code	Title	Credits
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS 320	Special Topics in Gender, Women and Society (Global)	3
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS 420	Women in Cross-Societal Perspective	3

GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ FOLKLORE 428	Gender and Expressive Culture	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia	3
GEN&WS/ ANTHRO 443	Anthropology by Women	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3

Sexuality

Explore "sexuality" under the assumption that sexuality is not a natural or self-evident attribute or category, these courses demonstrate how sexuality has come to assume a variety of culturally specific but often contested meanings.

Code	Title	Credits
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
GEN&WS 320	Special Topics in Gender, Women and Society (Sexuality)	3
GEN&WS 320	Special Topics in Gender, Women and Society (Queer)	3
GEN&WS 320	Special Topics in Gender, Women and Society (LGBTQ+)	3
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 343	Queer Bodies	3
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS 345	Narrating Queer Lives	3
GEN&WS/ HISTORY 346	Trans/Gender in Historical Perspective	3-4
C&E SOC/GEN&WS/ SOC 347	Gender and Sexuality in Rural Places	3
GEN&WS/ CLASSICS 351	Women and Gender in the Classical World	3-4
GEN&WS/ CLASSICS 361	Sex and Power in Greece and Rome	3
GEN&WS 374	Disability, Gender and Sexuality	3
GEN&WS 412	Contemporary Queer Art and Visual Culture	3
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature	3
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS 528	Sexuality and Science	3
GEN&WS/HIST SCI/ MED HIST 532	The History of the (American) Body	3
GEN&WS 533	Special Topics in Gender and Biology (Sexuality)	3
GEN&WS 533	Special Topics in Gender and Biology (Queer)	3
GEN&WS 533	Special Topics in Gender and Biology (LGBTQ+)	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS 538	Special Topics in LGBTQ+ Health	3

Disability & Embodiment

Examine the creation and evolution of different categories of embodiment and the experience of living through and as bodies These courses focus on gender and disability, exploring disability as a social category, a medical realm, a political identity, an analytical approach, and a lived experience.

Code	Title	Credits
GEN&WS 105	Intersectional Approaches to Disability Studies	3
GEN&WS 320	Special Topics in Gender, Women and Society (Disability)	3
GEN&WS 343	Queer Bodies	3
GEN&WS 370	Topics in Gender and Disability	3
GEN&WS 374	Disability, Gender and Sexuality	3
GEN&WS 445	The Body in Theory	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3

CAPSTONE [4]

Code	Title	Credits
Capstone course or Thesis Sequence:		**3-6**
GEN&WS 640	Capstone Seminar in Gender and Women's Studies	
GEN&WS 681 & GEN&WS 682	Senior Honors Thesis I and Senior Honors Thesis II	
GEN&WS 691 & GEN&WS 692	Senior Thesis I and Senior Thesis II	
Total Credits		**3-6**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all GEN&WS and major courses
- 2.000 GPA on 15 upper-level major credits, taken in Residence [5]
- 15 credits in GEN&WS, taken on the UW–Madison campus

FOOTNOTES

[1] A maximum of three courses designated as elementary level may apply in the major, overall. Directed study courses typically do not count toward the minimum credits required in the major.

[2] GEN&WS 101 and GEN&WS 102 cannot both count toward the coursework required in the Gender and Women's Studies major. Students must choose one of these courses.

[3] A single course may apply to both an Approach and an Issue Area. However, a single course may not apply to more than one Approach or to more than one Issue Area.

[4] Students interested in the doing research in Gender & Women's Studies will develop a thesis topic in consultation with a member of the faculty. The senior thesis course sequence (GEN&WS 691-GEN&WS 692 or GEN&WS 681-GEN&WS 682) serves as the capstone requirement for the major. In this case, the student may still count GEN&WS 640 as an elective in the major.

[5] Courses in GEN&WS with Intermediate or Advanced level designation are considered upper level in the major.

HONORS IN THE MAJOR

To declare Honors in the Major in Gender and Women's Studies, students must submit a letter of application to the undergraduate advisor prior to enrollment in GEN&WS 681. The letter should include:

- A list of all planned and declared degrees, major and certificate programs
- Area(s) of research interest within gender and women's studies and ideas for an Senior Honors Thesis
- A letter from a faculty member agreeing to supervise the thesis project

HONORS IN THE GENDER AND WOMEN'S STUDIES MAJOR REQUIREMENTS

To earn Honors in the Major in Gender and Women's Studies, students must satisfy the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all GEN&WS courses
- Complete at least 2 GEN&WS courses totaling 6 or more credits for Honors and earn grades of B or higher
- Complete GEN&WS 681 and GEN&WS 682 for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Knowledge of core concepts of gender and women’s studies, including: gender, intersectionality, feminist theory, epistemology, class, race/ethnicity, global processes, sexuality, disability & embodiment, health and science, and contemporary and historical issues.
2. Intellectual and practical skills relating to gender and women’s studies, including: problem solving, research and inquiry, interdisciplinarity, critical thinking, writing, oral communication, collaboration, creativity, and career skills.
3. Personal and social responsibility anchored through active involvement with diverse communities and real-world challenges. This category may include things like developing critical self and social awareness, applying ethical frameworks, learning through engaged practices.
4. Integrative learning demonstrated through the application of knowledge, skills and responsibilities to new settings and complex problems. This category may be acquired through advanced accomplishment and/or the application beyond the Gender & Women’s Studies classroom to, for example, one’s life, to activist project, and/or to non-Gender & Women’s Studies academic coursework.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic

advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication-A, complete during the first year	3	Ethnic Studies, complete in your first 60 credits	3
Quantitative Reasoning-A, complete during the first year	3	Foreign Language, if required	4
Foreign Language, if required	4	GEN&WS 103	3
GEN&WS 102	3	L&S Breadth	3
First Year Seminar (optional)	1	I/A Comp Sci, Math, or Statistics, if required for the BS	3
	14		**16**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning-B, consult with an advisor about options and when to complete this course	3	Communication-B, consult with an advisor about options and when to complete this course	3
GEN&WS Humanities Approach/Disability & Embodiment Issue Area	3	GEN&WS Social Science Approach	3
L&S Breadth	3	L&S Breadth	3
Electives	6	Electives	5
		INTER-LS 210	1
	15		**15**

Third Year

Fall	Credits	Spring	Credits
GEN&WS Feminist Theory Approach	3	GEN&WS Elective/Race & Ethnicity Issue Area	3
I/A Comp Sci, Math, or Statistics, if required for the BS	3	GEN&WS Bio/Health Approach	3
L&S Breadth	3	L&S Breadth	3
Electives	6	Electives	6
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
GEN&WS Elective/ Global Issue	3	GEN&WS 660 (optional)	3
Capstone Seminar	3	Electives	12
Electives	9		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Gender and Women's Studies website. (https://gws.wisc.edu/declaring-in-gws-lgbtq-studies/)

ADVISING

Working with your advisor helps you create a meaningful course plan as you complete your degree, major and/or certificate requirements. The undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) is available to consult on a variety of topics, including declaring the major and/or certificate, course selection and building a four-year plan, study abroad, volunteer and internship opportunities on campus and in the community, applying to graduate programs, and preparing for the job market after graduation.

INTERNSHIP PROGRAM IN GENDER AND WOMEN'S STUDIES

Applied learning through professional experiences in Gender and Women's Studies provides an opportunity for students to connect academic knowledge with community-based practice. Recognizing the power and importance of experiential and community-based learning, the Department of Gender and Women's Studies proudly offers local and global internship opportunities. In the internship program, students work with organizations to apply their coursework in gender and women's studies to specific issues in the community. The accompanying seminar, Internship in Gender and Women's Studies (GEN&WS 660, 3 cr) offers a venue for students to engage deeply in feminist-based work and reflection while thinking critically about how to participate as feminists in activism and professional settings.

CAREER DEVELOPMENT IN GENDER AND WOMEN'S STUDIES

The Department of Gender and Women's Studies is committed to helping our students articulate how skills and concepts learned in the classroom can be cultivated in professional settings. As reflected in our Learning Outcomes, (p.) students in Gender and Women's Studies develop important transferable skills in written and oral communication, critical thinking, problem solving, and collaboration, as well as critical self and social awareness. The department continues to expand career development opportunities for our students as we work with our alumni to offer workshops, panels, and networking opportunities. Contact the undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) to learn more about career development opportunities in Gender & Women's Studies.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GENDER AND WOMEN'S STUDIES, CERTIFICATE

The Gender and Women's Studies certificate provides a platform for students to study how equity and social justice are connected to gender, sexuality, and identity. Gender and Women's Studies students explore the field through traditional disciplines, such as literature, history, anthropology, sociology, public health, education, law, biology, psychology, political science, and the visual arts. Students can tailor the certificate to reflect their interests, complement their major, or plan for graduate or professional school.

HOW TO GET IN

HOW TO GET IN

Intent to pursue the certificate can be declared by meeting with the Department of Gender and Women's Studies undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) or completing this online declaration form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_74d4sq1dVIGCYjX/?Q_JFE=qdg). Declaring the certificate as early as possible allows students to best align certificate coursework with their interests.

Students declared in the Gender and Women's Studies major are not eligible to declare the Certificate in Gender and Women's Studies at the Undergraduate Level.

REQUIREMENTS

REQUIREMENTS

15 credits of which at least 12 credits are in GEN&WS courses, to include: [1]

HUMANITIES

Code	Title	Credits
Complete one from:		3
GEN&WS 101	Gender, Women, and Cultural Representation [2]	
GEN&WS 105	Intersectional Approaches to Disability Studies	
GEN&WS/ SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	
GEN&WS/ LITTRANS 205	Women in Russian Literature in Translation	
GEN&WS/ AFROAMER 221	Introduction to Black Women's Studies	
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	
GEN&WS 240	Feminist Approach to Research and Writing	
GEN&WS/ CHICLA/ HISTORY 245	Chicana and Latina History	
GEN&WS/ ENGL 248	Women in Ethnic American Literature	
GEN&WS/ LITTRANS 270	German Women Writers in Translation	
GEN&WS/ RELIG ST 305	Women, Gender and Religion	
GEN&WS 310	Special Topics in Gender, Women and the Humanities	
GEN&WS/ COM ARTS 316	Gender and Communication	
GEN&WS 319	Study Abroad Special Topic: Gender, Women and the Humanities	
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	
GEN&WS/ AFROAMER 324	Black Women in America: Reconstruction to the Present	
GEN&WS/ AFROAMER 326	Race and Gender in Post-World War II U.S. Society	
GEN&WS 330	Topics in Gender/Class/Race/Ethnicity (Humanities)	
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	
GEN&WS 340	Topics in LGBTQ Sexuality	
GEN&WS 342	Transgender Studies	
GEN&WS 343	Queer Bodies	
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	
GEN&WS/ HISTORY 346	Trans/Gender in Historical Perspective	
GEN&WS/ ENGL 350	Special Topics in Gender & Literature	
GEN&WS/ CLASSICS 351	Women and Gender in the Classical World	
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	
GEN&WS/ ENGL 359	Visionary and Speculative Fiction: Social Justice Approaches	
GEN&WS/ CLASSICS 361	Sex and Power in Greece and Rome	
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	
GEN&WS 370	Topics in Gender and Disability	
GEN&WS/ ENGL 401	Race, Sex, and Texts (How to do things with writing)	
GEN&WS 410	Special Topics in Gender and Visual Culture	

GEN&WS 412	Contemporary Queer Art and Visual Culture
GEN&WS/ THEATRE 415	Introduction to Contemporary Feminist Theatre and Criticism
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media
GEN&WS/ FOLKLORE 428	Gender and Expressive Culture
GEN&WS/ AMER IND/ ANTHRO/ FOLKLORE 437	American Indian Women
GEN&WS/ LITTRANS/ SCAND ST 438	Sexual Politics in Scandinavia
GEN&WS 441	Contemporary Feminist Theories
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century
GEN&WS 445	The Body in Theory
GEN&WS 449	Special Topics in Feminist Theory
GEN&WS/ PORTUG 450	Brazillian Women Writers
GEN&WS/ PORTUG 460	Carmen Miranda
GEN&WS/ ASIAN AM/ ENGL 463	Race and Sexuality in American Literature
GEN&WS/ ASIAN AM/ ENGL 464	Asian American Women Writers
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change
GEN&WS/ HIST SCI/ MED HIST 532	The History of the (American) Body
GEN&WS 547	Theorizing Intersectionality
GEN&WS/ PHILOS 556	Topics in Feminism and Philosophy
GEN&WS/ AFROAMER 624	African American Women's Activism (19th & 20th Centuries)
GEN&WS/ AFROAMER 625	Gender, Race and the Civil Rights Movement
GEN&WS/ AFROAMER 677	Critical and Theoretical Perspectives in Black Women's Writings
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
HISTORY 275	Topics in LGBT History
Total Credits	**3**

SOCIAL SCIENCE

Code	Title	Credits
Complete one from:		3
GEN&WS 102	Gender, Women, and Society in Global Perspective [2]	
GEN&WS 104	Gender, Sexuality, and Global Health	
GEN&WS/ SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	
GEN&WS 240	Feminist Approach to Research and Writing	
GEN&WS 320	Special Topics in Gender, Women and Society	
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	
GEN&WS 329	Study Abroad Special Topic: Gender, Women in Society	
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	
GEN&WS/ AFROAMER 333	Black Feminisms	
GEN&WS 340	Topics in LGBTQ Sexuality	
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	
GEN&WS/ C&E SOC/ SOC 347	Gender and Sexuality in Rural Places	
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	
GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	
GEN&WS/ HISTORY 392	Women and Gender in Modern Europe	
GEN&WS/ LEGAL ST/ SOC 406	Law, Sexuality, & Society	
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	
GEN&WS 420	Women in Cross-Societal Perspective	
GEN&WS/ LEGAL ST 422	Women and the Law	
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	
GEN&WS/ LEGAL ST/ SOC 425	Crime, Gender and Justice	
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	
GEN&WS 441	Contemporary Feminist Theories	
GEN&WS/ ANTHRO 443	Anthropology by Women	
GEN&WS 446	Queer of Color Critique	
GEN&WS 449	Special Topics in Feminist Theory	
GEN&WS/ POLI SCI 469	Women and Politics	

GEN&WS 472	Food for Thought: An Intersectional Approach
GEN&WS/ GEOG 504	Feminist Geography: Theoretical Approaches
GEN&WS/ PSYCH 522	Psychology of Women and Gender
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health
GEN&WS 524	Race, Gender, Health, and Medicine
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health
GEN&WS 528	Sexuality and Science
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives
GEN&WS 536	Queering Sexuality Education
GEN&WS/ HIST SCI 537	Childbirth in the United States
GEN&WS 538	Special Topics in LGBTQ+ Health
GEN&WS 539	Special Topics in Gender and Health
GEN&WS/ ED POL 560	Gender and Education
Total Credits	**3**

NATURAL AND BIOLOGICAL SCIENCE

Code	Title	Credits
Complete one from:		3
GEN&WS 103	Gender, Women, Bodies, and Health	
GEN&WS 528	Sexuality and Science	
GEN&WS 530	Biology and Gender	
GEN&WS/ HIST SCI/ MED HIST 531	Women and Health in American History	
GEN&WS 533	Special Topics in Gender and Biology	
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	
Total Credits		**3**

ELECTIVES

Code	Title	Credits
Additional courses in GENWS to reach 15 credits for the certificate		6
Total Credits		**6**

FOOTNOTES

[1] Students cannot take courses pass/fail for credit in the certificate.
[2] Students may not take both GEN&WS 101 and GEN&WS 102 for the certificate.

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses.
- At least 9 credits at the intermediate or advanced level.
- At least 8 certificate credits must be completed in residence.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate interdisciplinary understanding of core concepts and debates in Gender and Women's Studies.
2. Demonstrate the practical skills related to Gender and Women's Studies, such as critical thinking and analysis, inquiry, and written and oral communication.
3. Understand the interdisciplinary nature of Gender and Women's Studies research and connect this scholarship to the institutions that shape everyday life.
4. Develop Gender and Women's Studies knowledge, skills, and social engagement and demonstrate how these ideas can be applied to new settings, ideas, and understandings.

ADVISING AND CAREERS

ADVISING AND CAREERS

Connecting and working with the undergraduate advisor in Gender and Women's Studies as early as possible helps you create a meaningful course plan and stay on track as you complete the certificate requirements.

The undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) is available to consult on a variety of topics, including declaring the certificate, course selection, study abroad, volunteer and internship opportunities on campus and in the community, applying to graduate programs, and preparing for the job market after graduation.

DECLARATION

Intent to pursue (or cancel) the certificate can be declared by meeting with the undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) in Gender and Women's Studies and completing this online declaration form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_74d4sq1dVIGCYjX/?Q_JFE=qdg).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes

into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

LGBTQ+ STUDIES, CERTIFICATE

The LGBTQ+ Studies Certificate Program is a campus-wide program open to students in any major. Courses that count toward this interdisciplinary certificate come from a wide range of fields including literature, history, sociology, medical history, as well as from gender and women's studies, which is in itself an interdisciplinary field. This certificate can complement many other programs and plans across campus, including, but not limited to gender and women's studies. New courses are added to the program each semester.

HOW TO GET IN

HOW TO GET IN

Intent to pursue the certificate can be declared by meeting with the undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) and completing the declaration form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_etf8mvBhIRq826F/). Declaring the certificate as early as possible allows students to best align certificate coursework with their interests.

REQUIREMENTS

REQUIREMENTS

15 credits as follows: [1]

Code	Title	Credits
Introduction to LGBTQ+ Studies		**3-4**
GEN&WS/ SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	
Social Science Course in LGBTQ+ Studies		**3**
C&E SOC/ GEN&WS/ SOC 347	Gender and Sexuality in Rural Places	
COM ARTS/ GEN&WS 418	Gender, Sexuality, and the Media	
COUN PSY 200	LGBTQ+ People and Mental Health Equity	
COUN PSY 332	Gender and Queer Issues in Psychology	
GEN&WS 320	Special Topics in Gender, Women and Society (Queer)	
GEN&WS 320	Special Topics in Gender, Women and Society (Sexuality)	
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	
GEN&WS 340	Topics in LGBTQ Sexuality	
GEN&WS 446	Queer of Color Critique	
GEN&WS 449	Special Topics in Feminist Theory	
GEN&WS 536	Queering Sexuality Education	
GEN&WS 538	Special Topics in LGBTQ+ Health	
GEN&WS 539	Special Topics in Gender and Health (Queer)	
GEN&WS 539	Special Topics in Gender and Health (LGBTQ+)	
HISTORY 275	Topics in LGBT History [2]	
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	
SOC WORK 639	Social Work Practice with LGBTQIA2S+ Individuals and Communities	
Humanities Course in LGBTQ+ Studies		**3**
ASIAN AM/ENGL/ GEN&WS 463	Race and Sexuality in American Literature	
GEN&WS/ ASIAN AM 321	Asian American Feminist & Queer Cultural Productions	
GEN&WS/ ENGL 350	Special Topics in Gender & Literature (Queer)	
CLASSICS/ GEN&WS 351	Women and Gender in the Classical World	
CLASSICS/ GEN&WS 361	Sex and Power in Greece and Rome	
GEN&WS 310	Special Topics in Gender, Women and the Humanities (Queer)	
GEN&WS 340	Topics in LGBTQ Sexuality	
GEN&WS 342	Transgender Studies	
GEN&WS 343	Queer Bodies	
GEN&WS/ HISTORY 346	Trans/Gender in Historical Perspective	
GEN&WS 410	Special Topics in Gender and Visual Culture (Queer)	
GEN&WS 412	Contemporary Queer Art and Visual Culture	
GEN&WS 445	The Body in Theory	
GEN&WS 449	Special Topics in Feminist Theory (Queer)	
GEN&WS/ HIST SCI/ MED HIST 532	The History of the (American) Body	
HISTORY 275	Topics in LGBT History	

HISTORY/ GEN&WS 346	Trans/Gender in Historical Perspective	
HISTORY/ GEN&WS 519	Sexuality, Modernity and Social Change	
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	
THEATRE/ GEN&WS 415	Introduction to Contemporary Feminist Theatre and Criticism	
Electives in LGBTQ+ Studies (Humanities, Social Science, or other listed below)		**6**
GEN&WS 533	Special Topics in Gender and Biology (Queer)	
GEN&WS 533	Special Topics in Gender and Biology (LGBTQ+)	
Total Credits		**15**

[1] No more than two Elementary level courses, including GEN&WS/ SOC 200, can count for the LGBTQ+ Studies certificate. Courses taken on a pass/fail basis will not satisfy certificate requirements.

[2] Topics courses, such as HISTORY 275 and GEN&WS 340, may be taught with a number of different LGBTQ+ Studies topics and therefore may be taken more than once, so long as the topic is different.

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all GEN&WS courses and all certificate courses.
- At least 8 certificate credits must be completed in residence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate interdisciplinary understanding of core concepts and debates in LGBTQ+ Studies.
2. Demonstrate the practical skills related to LGBTQ+ Studies, such as critical thinking and analysis, inquiry, and written and oral communication.
3. Understand the interdisciplinary nature of LGBTQ+ Studies research, and connect this scholarship to the institutions that shape everyday life.
4. Develop LGBTQ+ Studies knowledge, skills, and social engagement and demonstrate how these ideas can be applied to new settings, ideas, and understandings.

ADVISING AND CAREERS

ADVISING AND CAREERS

Connecting and working with the undergraduate advisor in LGBTQ+ studies as early as possible helps you create a meaningful course plan and stay on track as you complete the certificate requirements.

The undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) is available to consult on a variety of topics, including declaring the certificate, course selection, study abroad, volunteer and internship opportunities on campus and in the community, applying to graduate programs, and preparing for the job market after graduation.

DECLARATION

Intent to pursue (or cancel) the LGBTQ+ Studies certificate can be declared by meeting with the undergraduate advisor (https://gws.wisc.edu/undergraduate/undergraduate-advising/) in Gender and Women's Studies and completing this online declaration form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_etf8mvBhlRq826F/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GEOGRAPHY

Geography studies the interaction between people and their environments including the ways in which the people, the environments, and the interactions all vary from place to place over the earth. Because it is concerned with the character of people and their cultures on the one hand, and with the character of the earth's surface and its resources on the other, it is both a social and a natural science. Being broad and integrative, geography provides an appropriate foundation for a liberal education. It also provides a base for employment in public or private agencies, both domestic and international, concerned with environmental management, locational analysis or planning (urban, regional, land use).

Cartography/GIS, also known more broadly as geographic information science, studies and develops digital technology and the theory behind this technology to help people work with geographic information. This

broad area interfaces with work from the physical and social sciences. It is a field devoted to the acquisition, management, analysis, visualization, and representation of geospatial data. It is a relatively new discipline that incorporates geography, cartography, spatial analysis, and related fields such as geovisualization, geodesy, geocomputation, cognition, and computer science. At the present time professionals trained in geographic information science are very much in demand by federal agencies, state and local governments, and private firms.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Cartography and Geographic Information Systems, BA (p. 748)
- Cartography and Geographic Information Systems, BS (p. 752)
- Geography, BA (p. 757)
- Geography, BS (p. 763)
- Geospatial Data Science, Certificate (p. 770)

CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS, BA

Hasn't everything already been mapped? Cartographers are not explorers charting borders in an ancient time. We are artists, community organizers, data scientists, visual storytellers, and full-stack web developers visualizing our world. In an era of massive data sets and location-based applications, maps and geospatial data have never been more important to assist in decision-making and envisioning our future.

The Cartography and Geographic Information Systems (GIS) major covers the conceptual foundations and technical skills needed to harness maps and geospatial data. Courses range from graphic design and web mapping to big-data analytics and mobile application development: all have important laboratory components working with industry-standard cartography and GIS technology. So, yes, everywhere has been mapped in some form, but in a dynamic world driven by information and technology, cartographers and GIS professionals are needed now more than ever to help us understand our changing planet.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

BREADTH

3 courses, 1 each from these areas:

Code	Title	Credits
Human Geography (1 course)		**3**
GEOG 101	Introduction to Human Geography	
GEOG 104	Introduction to Human Geography	
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape	
GEOG 300	Weird Geographies	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
GEOG/ INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 342	Geography of Wisconsin	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG 501	Space and Place: A Geography of Experience	
GEOG/ URB R PL 503	Researching the City: Qualitative Strategies	
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	
GEOG 510	Economic Geography	
GEOG 511	Critical Social Theory	
GEOG 513	Queer Geographies	
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches	
GEOG 515	Trans Autotheories	
GEOG 518	Power, Place, Identity	
GEOG 566	History of Geographic Thought	
People-Environment (1 course)		**3**
GEOG/ ENVIR ST 139	Global Environmental Issues	
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape	
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ENVIR ST 333	Green Urbanism	
GEOG/ ENVIR ST 337	Nature, Power and Society	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG/ ENVIR ST 339	Environmental Conservation	
GEOG 340	World Regions in Global Context	
GEOG 344	Changing Landscapes of the American West	
GEOG/ AMER IND/ ENVIR ST 345	Caring for Nature in Native North America	
GEOG 359	Australia: Environment and Society	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	

GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes	
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG/ ENVIR ST 537	Culture and Environment	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
Physical Geography (1 course)		**3**
GEOG/ ENVIR ST 120	Introduction to the Earth System	
GEOG/ ENVIR ST 127	Physical Systems of the Environment	
GEOG/ GEOSCI 320	Geomorphology	
GEOG/ ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG 342	Geography of Wisconsin	
GEOG 344	Changing Landscapes of the American West	
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology	
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	
GEOG/ SOIL SCI 525	Soil Geomorphology	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
Total Credits		**9**

SKILLS, TECHNIQUES & METHODOLOGY

Code	Title	Credits
Core Cartography/GIS		
GEOG 370	Introduction to Cartography	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
or GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
Quantitative Methods (1 course)		**3-4**
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Mathematics Proficiency		**6**
Complete one of the following by Placement or by completing the course		
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
Total Credits		**24-25**

DEPTH

Code	Title	Credits
Complete two of:		7-8
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	
GEOG 572	Graphic Design in Cartography	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	
GEOG 574	Geospatial Database Design and Development	
GEOG 575	Interactive Cartography & Geovisualization	
GEOG 576	Geospatial Web and Mobile Programming	
GEOG 578	GIS Applications	
GEOG 579	GIS and Spatial Analysis	
Total Credits		**7-8**

CAPSTONE

Code	Title	Credits
Complete one of:		3-6
GEOG 565	Colloquium for Undergraduate Majors	
GEOG 681 & GEOG 682	Senior Honors Thesis and Senior Honors Thesis	
GEOG 691 & GEOG 692	Senior Thesis and Senior Thesis	
Total Credits		**3-6**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in GEOG and major courses
- 2.000 GPA on 15 upper-level credits, taken in residence[2]
- 15 credits in GEOG, taken on the UW–Madison campus

[2] GEOG courses designated Intermediate/Advanced are upper level in this major.

HONORS IN THE MAJOR

Students may declare Honors in the Cartography and GIS Major in consultation with the Geography undergraduate advisor.

HONORS IN THE CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS MAJOR REQUIREMENTS

To earn Honors in the Major in Cartography and Geographic Information Systems, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all GEOG courses, and all courses accepted in the major
- Complete GEOG 578: GIS Applications with a grade of B or better
- Complete at least one advanced-level course OR 6 credits of honors credits in the major at the 300 level or above
- Complete a two-semester Senior Honors Thesis in GEOG 681 Senior Honors Thesis and GEOG 682 Senior Honors Thesis, a piece of original research composition, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply cartographic design principles and visual storytelling to transform geospatial data into actionable insights.
2. Apply appropriate technologies and methods, including geographic information systems (GIS) and informed geodatabase design, to analyze qualitative and quantitative geospatial data.
3. Use appropriate geographic concepts, methods, and technologies to interpret the dynamic interactions among human and natural characteristics of place and space.
4. Combine geospatial theories, methodologies, and project management strategies to design and conduct ethical cartographic and geographic research and development.
5. Utilize appropriate GIS-based spatial decision tools to inform discussions of social, economic, and environmental issues that confront policymakers and citizens.
6. Discuss complex geospatial data, concepts, and technologies using written, oral, and visual forms of communication appropriate for technical, non-technical, and community-based audiences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 112	3	MATH 113	3
Communication A	3	Ethnic Studies	4
Foreign Language	4	Foreign Language	4
Humanities Breadth	3	Literature Breadth	3
Elective	2		
	15		**14**

Second Year

Fall	Credits	Spring	Credits
STAT 301	3	GEOG/CIV ENGR/ ENVIR ST 377	4
GEOG 370	4	Communication B	4
INTER-LS 210	1	Biological Science Breadth	3
Literature Breadth	3	Elective	4
Elective	4		
	15		**15**

Third Year

Fall	Credits	Spring	Credits
GEOG 378	4	500-level Cartography/ GIS Elective	4
Major course: Human Geography	3-4	Biological Science Breadth	3
Electives	9	Humanities Breadth	3
		Major course: People-Environment Geography	3-4
	16		**14**

Fourth Year

Fall	Credits	Spring	Credits
GEOG/ENVIR ST/ F&W ECOL/G L E/ GEOSCI/LAND ARC 371	3	500-level Cartography/ GIS Elective	4
Major course: Physical Geography	4	Electives	12
GEOG 565	3		
Electives	5		
	15		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Geography website (https://geography.wisc.edu/undergraduate/geography-major/#advising-and-declaring-the-major).

Students with questions about the major, courses, and careers are encouraged to contact the Geography undergraduate advisor.

CAREERS

Cartography and GIS is a booming profession, but remains one of the biggest secrets on campus because of the limited treatment of geography in K-12 education. The Department of Labor reported that there were 425,000 U.S. residents working in the geospatial industry (http://www.esri.com/news/arcnews/summer12articles/strengthening-the-gis-profession.html) in 2010, and the National Research Council estimates this could exceed 2 million by 2020. Cartography and GIS recently was rated the #1 profession in engineering, in part due to its extremely low unemployment rate (less than 1% of students with degrees!), strong future growth of the job market, and relatively low stress rating. Our alumni work in local, national, and international government positions, as well as in private industry, including firms such as Apple, Google, Facebook, and Uber, and media outlets such as *National Geographic*, *The New York Times*, and *The Wall Street Journal*.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS, BS

Hasn't everything already been mapped? Cartographers are not explorers charting borders in an ancient time. We are artists, community organizers, data scientists, visual storytellers, and full-stack web developers visualizing our world. In an era of massive data sets and location-based applications, maps and geospatial data have never been more important to assist in decision-making and envisioning our future.

The Cartography and Geographic Information Systems (GIS) major covers the conceptual foundations and technical skills needed to harness maps and geospatial data. Courses range from graphic design and web mapping to big-data analytics and mobile application development: all have important laboratory components working with industry-standard cartography and GIS technology. So, yes, everywhere has been mapped in some form, but in a dynamic world driven by information and technology, cartographers and GIS professionals are needed now more than ever to help us understand our changing planet.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

BREADTH

3 courses, 1 each from these areas:

Code	Title	Credits
Human Geography (1 course)		**3**
GEOG 101	Introduction to Human Geography	
GEOG 104	Introduction to Human Geography	
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape	
GEOG 300	Weird Geographies	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
GEOG/ INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 342	Geography of Wisconsin	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	

GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges
GEOG 501	Space and Place: A Geography of Experience
GEOG/ URB R PL 503	Researching the City: Qualitative Strategies
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories
GEOG 507	Waste Geographies: Politics, People, and Infrastructures
GEOG 510	Economic Geography
GEOG 511	Critical Social Theory
GEOG 513	Queer Geographies
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches
GEOG 515	Trans Autotheories
GEOG 518	Power, Place, Identity
GEOG 566	History of Geographic Thought
People-Environment (1 course)	**3**
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 337	Nature, Power and Society
GEOG/ BOTANY 338	Environmental Biogeography
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 344	Changing Landscapes of the American West
GEOG/ AMER IND/ ENVIR ST 345	Caring for Nature in Native North America
GEOG 359	Australia: Environment and Society
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation
GEOG/ENVIR ST/ HISTORY 460	American Environmental History
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ ENVIR ST 537	Culture and Environment
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
Physical Geography (1 course)	**3**
GEOG/ ENVIR ST 120	Introduction to the Earth System
GEOG/ ENVIR ST 127	Physical Systems of the Environment
GEOG/ GEOSCI 320	Geomorphology
GEOG/ ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts
GEOG/ ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past
GEOG/ BOTANY 338	Environmental Biogeography
GEOG 342	Geography of Wisconsin
GEOG 344	Changing Landscapes of the American West
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change
GEOG/ SOIL SCI 525	Soil Geomorphology
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes
Total Credits	**9**

SKILLS, TECHNIQUES & METHODOLOGY

Code	Title	Credits
Core Cartography/GIS		
GEOG 370	Introduction to Cartography	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
or GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4

Quantitative Methods (1 course)		**3-4**
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Mathematics Proficiency		**6**
Complete one of the following by Placement or by completing the course		
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
Total Credits		**24-25**

DEPTH

Code	Title	Credits
Complete two of:		7-8
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	
GEOG 572	Graphic Design in Cartography	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	
GEOG 574	Geospatial Database Design and Development	
GEOG 575	Interactive Cartography & Geovisualization	
GEOG 576	Geospatial Web and Mobile Programming	
GEOG 578	GIS Applications	
GEOG 579	GIS and Spatial Analysis	
Total Credits		**7-8**

CAPSTONE

Code	Title	Credits
Complete one of:		3-6
GEOG 565	Colloquium for Undergraduate Majors	
GEOG 681 & GEOG 682	Senior Honors Thesis and Senior Honors Thesis	
GEOG 691 & GEOG 692	Senior Thesis and Senior Thesis	
Total Credits		**3-6**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in GEOG and major courses
- 2.000 GPA on 15 upper-level credits, taken in residence[2]
- 15 credits in GEOG, taken on the UW–Madison campus

[2] GEOG courses designated Intermediate/Advanced are upper level in this major.

HONORS IN THE MAJOR

Students may declare Honors in the Cartography and GIS Major in consultation with the Geography undergraduate advisor.

HONORS IN THE CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS MAJOR REQUIREMENTS

To earn Honors in the Major in Cartography and Geographic Information Systems, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all GEOG courses, and all courses accepted in the major
- Complete GEOG 578: GIS Applications with a grade of B or better
- Complete at least one advanced-level course OR 6 credits of honors credits in the major at the 300 level or above
- Complete a two-semester Senior Honors Thesis in GEOG 681 Senior Honors Thesis and GEOG 682 Senior Honors Thesis, a piece of original research composition, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply cartographic design principles and visual storytelling to transform geospatial data into actionable insights.
2. Apply appropriate technologies and methods, including geographic information systems (GIS) and informed geodatabase design, to analyze qualitative and quantitative geospatial data.

3. Use appropriate geographic concepts, methods, and technologies to interpret the dynamic interactions among human and natural characteristics of place and space.
4. Combine geospatial theories, methodologies, and project management strategies to design and conduct ethical cartographic and geographic research and development.
5. Utilize appropriate GIS-based spatial decision tools to inform discussions of social, economic, and environmental issues that confront policymakers and citizens.
6. Discuss complex geospatial data, concepts, and technologies using written, oral, and visual forms of communication appropriate for technical, non-technical, and community-based audiences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 112	3	MATH 113	3
Communication A	3	Ethnic Studies	4
Foreign Language	4	Foreign Language	4
Humanities Breadth	3	Literature Breadth	3
Elective	2		
	15		**14**

Second Year

Fall	Credits	Spring	Credits
STAT 301	3	GEOG/CIV ENGR/ ENVIR ST 377	4
GEOG 370	4	Communication B	4
INTER-LS 210	1	Biological Science Breadth	3
Literature Breadth	3	Elective	4
Elective	4		
	15		**15**

Third Year

Fall	Credits	Spring	Credits
GEOG 378	4	500-level Cartography/ GIS Elective	4
Major course: Human Geography	3-4	Biological Science Breadth	3
Electives	9	Humanities Breadth	3
		Major course: People-Environment Geography	3-4
	16		**14**

Fourth Year

Fall	Credits	Spring	Credits
GEOG/ENVIR ST/ F&W ECOL/G L E/ GEOSCI/LAND ARC 371	3	500-level Cartography/ GIS Elective	4
Major course: Physical Geography	4	Electives	12
GEOG 565	3		
Electives	5		
	15		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Geography website (https://geography.wisc.edu/undergraduate/geography-major/#advising-and-declaring-the-major).

Students with questions about the major, courses, and careers are encouraged to contact the Geography undergraduate advisor.

CAREERS

Cartography and GIS is a booming profession, but remains one of the biggest secrets on campus because of the limited treatment of geography in K-12 education. The Department of Labor reported that there were 425,000 U.S. residents working in the geospatial industry (http://www.esri.com/news/arcnews/summer12articles/strengthening-the-gis-profession.html) in 2010, and the National Research Council estimates this could exceed 2 million by 2020. Cartography and GIS recently was rated the #1 profession in engineering, in part due to its extremely low unemployment rate (less than 1% of students with degrees!), strong future growth of the job market, and relatively low stress rating. Our alumni work in local, national, and international government positions, as well as in private industry, including firms such as Apple, Google, Facebook, and Uber, and media outlets such as *National Geographic*, *The New York Times*, and *The Wall Street Journal*.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)

- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GEOGRAPHY, BA

Are you passionate about environmental sustainability? Are you curious about what a socially just world might look like? Do you find physical landscapes inspiring? Are you interested in the analysis and visualization of data? Are you intrigued by the diversity of people and places around the world? Do you find the social life of cities fascinating? Are you kept up at night wondering why some places are rich while others are poor? If you answered "yes" to any of these questions, but especially more than one, Geography could be a great fit for you. Geography is especially ideal for individuals who have a wide range of interests spanning the natural sciences, humanities, social sciences, and data sciences.

Geography is an interdisciplinary field that seeks to understand patterns and interrelationships on Earth. These range from humans' relationships with the environment and the interactions of earth systems to the social worlds and built environments that different societies build to mapping and spatial analysis of big data. It is a rich and vibrant discipline that is essential to understanding the world and many of its problems. Geography thus offers a unique lens through which to illuminate the intertwined places, societies, and ecologies that comprise our diverse world.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must declare one of the major options (p. 759) below, complete Core Requirements common to each option, and also the specific requirements for their declared option.

CORE REQUIREMENTS

30 credits the major, to include these core requirements:

Breadth

3 courses, 1 each from these areas:

Code	Title	Credits
Human Geography (1 course)		**3**
GEOG 101	Introduction to Human Geography	
GEOG 104	Introduction to Human Geography	
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape	
GEOG 300	Weird Geographies	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
GEOG/ INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 342	Geography of Wisconsin	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG 501	Space and Place: A Geography of Experience	
GEOG/ URB R PL 503	Researching the City: Qualitative Strategies	
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	
GEOG 510	Economic Geography	
GEOG 511	Critical Social Theory	
GEOG 513	Queer Geographies	
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches	
GEOG 515	Trans Autotheories	
GEOG 518	Power, Place, Identity	
GEOG 566	History of Geographic Thought	
People–Environment (1 course)		**3**
GEOG/ ENVIR ST 139	Global Environmental Issues	
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape	
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ENVIR ST 333	Green Urbanism	
GEOG/ ENVIR ST 337	Nature, Power and Society	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG/ ENVIR ST 339	Environmental Conservation	
GEOG 340	World Regions in Global Context	
GEOG 344	Changing Landscapes of the American West	
GEOG/ AMER IND/ ENVIR ST 345	Caring for Nature in Native North America	
GEOG 359	Australia: Environment and Society	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes	
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG/ ENVIR ST 537	Culture and Environment	

GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
Physical Geography (1 course)		**3**
GEOG/ ENVIR ST 120	Introduction to the Earth System	
GEOG/ ENVIR ST 127	Physical Systems of the Environment	
GEOG/ GEOSCI 320	Geomorphology	
GEOG/ ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG 342	Geography of Wisconsin	
GEOG 344	Changing Landscapes of the American West	
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology	
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	
GEOG/ SOIL SCI 525	Soil Geomorphology	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
Total Credits		**9**

Capstone

Code	Title	Credits
Complete one of:		3-6
GEOG 565	Colloquium for Undergraduate Majors	
GEOG 681 & GEOG 682	Senior Honors Thesis and Senior Honors Thesis	
GEOG 691 & GEOG 692	Senior Thesis and Senior Thesis	
Total Credits		**3-6**

MAJOR OPTIONS

Declare one of these major options:

View as listView as grid

- **GEOGRAPHY: HUMAN GEOGRAPHY (P. 761)**
- **GEOGRAPHY: PEOPLE-ENVIRONMENT GEOGRAPHY (P. 762)**
- **GEOGRAPHY: PHYSICAL GEOGRAPHY: EARTH SYSTEMS AND ENVIRONMENTAL PROCESSES (P. 762)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in GEOG and major courses
- 2.000 GPA on 15 upper-level credits, taken in residence[1]
- 15 credits in GEOG, taken on the UW–Madison campus

[1] GEOG courses designated Intermediate/Advanced are upper level in this major.

HONORS IN THE MAJOR

Students may declare Honors in the Geography Major in consultation with the Geography undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn a BA or BS with Honors in the Major in Geography students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all GEOG courses and major courses
- At least 1 Advanced level major course or 6 credits in major courses numbered 300 and higher, taken for Honors
- Complete a two-semester Senior Honors Thesis (GEOG 681 & GEOG 682) for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain patterns and relationships that result from human societal dynamics, Earth systems processes, and the interaction of these dynamics and processes at a range of spatial and temporal scales.
2. Analyze the interdependencies within and among human societal dynamics, people and environment relations, and Earth systems.
3. Employ appropriate theories, methodologies, technologies, and ethical frameworks to design and conduct research, and analyze and assess research findings.
4. Critically interpret theoretical texts and empirical materials from a wide range of sources using appropriate ethical practices, theories, methods, and GIS tools from the humanities, social sciences, and Earth systems sciences.
5. Apply geographic concepts, information, approaches, and technologies to inform community-engaged discussions, policy debates, and public and private sector planning efforts about the Earth, people and environment relations, and human geographies.
6. Present complex geographic concepts and information using written, oral, and visual forms of communication effective for disciplinary, interdisciplinary, and general public audiences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies (e.g., GEOG 305)	3
Quantitative Reasoning A	3	Quantitative Reasoning B	3
Foreign Language	4	Introductory GEOG	3
Biological Science Breadth	3	Foreign Language	4
Introductory GEOG	3-4	Literature Breadth	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Communication B (e.g., GEOG 101)	4	Humanities Breadth	3
Humanities Breadth	3	Social Science Breadth	3
Major course: Human Geography	3-4	Major course: Physical Geography	3
INTER-LS 210	1	Major course: People-Environment	3
Elective	3	Elective	3
	14		**15**

Third Year

Fall	Credits	Spring	Credits
Social Science Breadth	3	Literature Breadth	3
Natural Science Breadth	3	Major course: Mapping	3-4
Humanities Breadth	3	GEOG 365	3
Intermediate-Level Geography in Subarea	3-4	Electives	6
STAT 301	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
GEOG 565	3	Advanced-Level Geography Elective in Subarea	3-4
Intermediate-Level Geography Elective in Subarea	3-4	Electives	10
Electives	8		
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Geography website (https://geography.wisc.edu/undergraduate/geography-major/#advising-and-declaring-the-major).

Students with questions about the major, courses, and careers are encouraged to contact the Geography undergraduate advisor.

CAREERS

Given its interdisciplinary nature, Geography prepares students for employment in a wide variety of fields spanning the public, private, and nonprofit sectors, both domestically and abroad. Fields where geographers commonly find employment include, but are not limited to: ecological restoration; urban planning; economic development; human rights; corporate sustainability; immigration advocacy and refugee resettlement; environmental consulting; social movements and community organization; national security; data analysis and visualization; risk assessment; public health; journalism; diplomacy; transportation; sustainable agrifood systems. Moreover, geographers trained in Geographical Information Systems (GIS) and cartography are in high demand from governments, businesses, and nonprofits for their spatial data analysis and visualization skills.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GEOGRAPHY: HUMAN GEOGRAPHY

REQUIREMENTS

HUMAN GEOGRAPHY OPTION REQUIREMENTS

In addition to completing the Core Requirements for all options, complete these requirements specific to this option

SKILLS, TECHNIQUES & METHODOLOGY

Code	Title	Credits
Field Methods		
GEOG 365	Geographical Traditions and Practices	
Qualitative/Quantitative Methods (1 course)		**3-4**
GEOG 500	Qualitative Strategies in Geography	
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Cartography/GIS (1 course)		**3-4**
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	
GEOG 370	Introduction to Cartography	
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
Total Credits		**6-8**

DEPTH

Code	Title	Credits
3 courses required		9-12
GEOG 300	Weird Geographies	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
GEOG/ INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 342	Geography of Wisconsin	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG 501	Space and Place: A Geography of Experience	
GEOG/ URB R PL 503	Researching the City: Qualitative Strategies	
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	
GEOG 510	Economic Geography	
GEOG 511	Critical Social Theory	
GEOG 513	Queer Geographies	
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches	
GEOG 515	Trans Autotheories	
GEOG 518	Power, Place, Identity	
GEOG 566	History of Geographic Thought	
Total Credits		**9-12**

GEOGRAPHY: PEOPLE-ENVIRONMENT GEOGRAPHY

REQUIREMENTS

PEOPLE–ENVIRONMENT GEOGRAPHY OPTION REQUIREMENTS

In addition to completing the requirements for all options, complete these requirements specific to this option

SKILLS, TECHNIQUES & METHODOLOGY

Code	Title	Credits
Field Methods		
GEOG 365	Geographical Traditions and Practices	
Qualitative/Quantitative Methods (1 course)		**3-4**
GEOG 500	Qualitative Strategies in Geography	
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Cartography/GIS (1 course)		**3-4**
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	
GEOG 370	Introduction to Cartography	
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
Total Credits		**6-8**

DEPTH

Code	Title	Credits
3 courses required		9-12
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ENVIR ST 333	Green Urbanism	
GEOG/ ENVIR ST 337	Nature, Power and Society	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG/ ENVIR ST 339	Environmental Conservation	
GEOG 340	World Regions in Global Context	
GEOG 344	Changing Landscapes of the American West	
GEOG/ AMER IND/ ENVIR ST 345	Caring for Nature in Native North America	
GEOG 359	Australia: Environment and Society	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes	
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG/ ENVIR ST 537	Culture and Environment	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
Total Credits		**9-12**

GEOGRAPHY: PHYSICAL GEOGRAPHY: EARTH SYSTEMS AND ENVIRONMENTAL PROCESSES

REQUIREMENTS

PHYSICAL GEOGRAPHY OPTION REQUIREMENTS

In addition to completing the requirements for all options, complete these requirements specific to this option

SKILLS, TECHIQUES & METHODOLOGY

Code	Title	Credits
Quantitative Methodology (1 course)		**3**
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	

STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Core Cartography/GIS		
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
Second Cart/GIS or Field Methods Course(1 course)		**3**
GEOG 370	Introduction to Cartography	
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG 378	Introduction to Geocomputing	
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	
GEOG 572	Graphic Design in Cartography	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	
GEOG 574	Geospatial Database Design and Development	
GEOG 575	Interactive Cartography & Geovisualization	
GEOG 576	Geospatial Web and Mobile Programming	
GEOG 578	GIS Applications	
GEOG 579	GIS and Spatial Analysis	
Total Credits		**10**

DEPTH

Code	Title	Credits
3 courses required		9-12
GEOG/ GEOSCI 320	Geomorphology	
GEOG/ ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG 342	Geography of Wisconsin	
GEOG 344	Changing Landscapes of the American West	
GEOG 399	Independent Study (maximum 3 credits may apply)	
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology	
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	
GEOG/ SOIL SCI 525	Soil Geomorphology	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
Total Credits		**9-12**

GEOGRAPHY, BS

Are you passionate about environmental sustainability? Are you curious about what a socially just world might look like? Do you find physical landscapes inspiring? Are you interested in the analysis and visualization of data? Are you intrigued by the diversity of people and places around the world? Do you find the social life of cities fascinating? Are you kept up at night wondering why some places are rich while others are poor? If you answered "yes" to any of these questions, but especially more than one, Geography could be a great fit for you. Geography is especially ideal for individuals who have a wide range of interests spanning the natural sciences, humanities, social sciences, and data sciences.

Geography is an interdisciplinary field that seeks to understand patterns and interrelationships on Earth. These range from humans' relationships with the environment and the interactions of earth systems to the social worlds and built environments that different societies build to mapping and spatial analysis of big data. It is a rich and vibrant discipline that is essential to understanding the world and many of its problems. Geography thus offers a unique lens through which to illuminate the intertwined places, societies, and ecologies that comprise our diverse world.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core

of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must declare one of the major options (p. 765) below, complete Core Requirements common to each option, and also the specific requirements for their declared option.

CORE REQUIREMENTS

30 credits the major, to include these core requirements:

Breadth

3 courses, 1 each from these areas:

Code	Title	Credits
Human Geography (1 course)		**3**
GEOG 101	Introduction to Human Geography	
GEOG 104	Introduction to Human Geography	
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape	
GEOG 300	Weird Geographies	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
GEOG/ INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 342	Geography of Wisconsin	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG 501	Space and Place: A Geography of Experience	

GEOG/ URB R PL 503	Researching the City: Qualitative Strategies
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories
GEOG 507	Waste Geographies: Politics, People, and Infrastructures
GEOG 510	Economic Geography
GEOG 511	Critical Social Theory
GEOG 513	Queer Geographies
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches
GEOG 515	Trans Autotheories
GEOG 518	Power, Place, Identity
GEOG 566	History of Geographic Thought
People–Environment (1 course)	**3**
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 337	Nature, Power and Society
GEOG/ BOTANY 338	Environmental Biogeography
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 344	Changing Landscapes of the American West
GEOG/ AMER IND/ ENVIR ST 345	Caring for Nature in Native North America
GEOG 359	Australia: Environment and Society
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation
GEOG/ENVIR ST/ HISTORY 460	American Environmental History
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ ENVIR ST 537	Culture and Environment
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
Physical Geography (1 course)	**3**
GEOG/ ENVIR ST 120	Introduction to the Earth System
GEOG/ ENVIR ST 127	Physical Systems of the Environment
GEOG/ GEOSCI 320	Geomorphology
GEOG/ ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts
GEOG/ ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past
GEOG/ BOTANY 338	Environmental Biogeography
GEOG 342	Geography of Wisconsin
GEOG 344	Changing Landscapes of the American West
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change
GEOG/ SOIL SCI 525	Soil Geomorphology
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes
Total Credits	**9**

Capstone

Code	Title	Credits
Complete one of:		3-6
GEOG 565	Colloquium for Undergraduate Majors	
GEOG 681 & GEOG 682	Senior Honors Thesis and Senior Honors Thesis	
GEOG 691 & GEOG 692	Senior Thesis and Senior Thesis	
Total Credits		**3-6**

MAJOR OPTIONS

Declare one of these major options:

View as listView as grid

- **GEOGRAPHY: HUMAN GEOGRAPHY (P. 761)**
- **GEOGRAPHY: PEOPLE-ENVIRONMENT GEOGRAPHY (P. 762)**
- **GEOGRAPHY: PHYSICAL GEOGRAPHY: EARTH SYSTEMS AND ENVIRONMENTAL PROCESSES (P. 762)**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in GEOG and major courses
- 2.000 GPA on 15 upper-level credits, taken in residence[1]
- 15 credits in GEOG, taken on the UW–Madison campus

[1] GEOG courses designated Intermediate/Advanced are upper level in this major.

HONORS IN THE MAJOR

Students may declare Honors in the Geography Major in consultation with the Geography undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn a BA or BS with Honors in the Major in Geography students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all GEOG courses and major courses
- At least 1 Advanced level major course or 6 credits in major courses numbered 300 and higher, taken for Honors
- Complete a two-semester Senior Honors Thesis (GEOG 681 & GEOG 682) for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain patterns and relationships that result from human societal dynamics, Earth systems processes, and the interaction of these dynamics and processes at a range of spatial and temporal scales.
2. Analyze the interdependencies within and among human societal dynamics, people and environment relations, and Earth systems.
3. Employ appropriate theories, methodologies, technologies, and ethical frameworks to design and conduct research, and analyze and assess research findings.
4. Critically interpret theoretical texts and empirical materials from a wide range of sources using appropriate ethical practices, theories, methods, and GIS tools from the humanities, social sciences, and Earth systems sciences.
5. Apply geographic concepts, information, approaches, and technologies to inform community-engaged discussions, policy debates, and public and private sector planning efforts about the Earth, people and environment relations, and human geographies.
6. Present complex geographic concepts and information using written, oral, and visual forms of communication effective for disciplinary, interdisciplinary, and general public audiences.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies (e.g., GEOG 305)	3
Quantitative Reasoning A	3	Quantitative Reasoning B	3
Foreign Language	4	Introductory GEOG	3
Biological Science Breadth	3	Foreign Language	4
Introductory GEOG	3-4	Literature Breadth	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Communication B (e.g., GEOG 101)	4	Humanities Breadth	3
Humanities Breadth	3	Social Science Breadth	3
Major course: Human Geography	3-4	Major course: Physical Geography	3

INTER-LS 210	1	Major course: People-Environment	3
Elective	3	Elective	3
	14		**15**

Third Year

Fall	Credits	Spring	Credits
Social Science Breadth	3	Literature Breadth	3
Natural Science Breadth	3	Major course: Mapping	3-4
Humanities Breadth	3	GEOG 365	3
Intermediate-Level Geography in Subarea	3-4	Electives	6
STAT 301	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
GEOG 565	3	Advanced-Level Geography Elective in Subarea	3-4
Intermediate-Level Geography Elective in Subarea	3-4	Electives	10
Electives	8		
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Geography website (https://geography.wisc.edu/undergraduate/geography-major/#advising-and-declaring-the-major).

Students with questions about the major, courses, and careers are encouraged to contact the Geography undergraduate advisor.

CAREERS

Given its interdisciplinary nature, Geography prepares students for employment in a wide variety of fields spanning the public, private, and nonprofit sectors, both domestically and abroad. Fields where geographers commonly find employment include, but are not limited to: ecological restoration; urban planning; economic development; human rights; corporate sustainability; immigration advocacy and refugee resettlement; environmental consulting; social movements and community organization; national security; data analysis and visualization; risk assessment; public health; journalism; diplomacy; transportation; sustainable agrifood systems. Moreover, geographers trained in Geographical Information Systems (GIS) and cartography are in high demand from governments, businesses, and nonprofits for their spatial data analysis and visualization skills.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GEOGRAPHY: HUMAN GEOGRAPHY

REQUIREMENTS

HUMAN GEOGRAPHY OPTION REQUIREMENTS

In addition to completing the Core Requirements for all options, complete these requirements specific to this option

SKILLS, TECHNIQUES & METHODOLOGY

Code	Title	Credits
Field Methods		
GEOG 365	Geographical Traditions and Practices	
Qualitative/Quantitative Methods (1 course)		**3-4**
GEOG 500	Qualitative Strategies in Geography	
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Cartography/GIS (1 course)		**3-4**
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	
GEOG 370	Introduction to Cartography	
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	

GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
Total Credits		**6-8**

DEPTH

Code	Title	Credits
3 courses required		9-12
GEOG 300	Weird Geographies	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
GEOG/ INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 342	Geography of Wisconsin	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG 501	Space and Place: A Geography of Experience	
GEOG/ URB R PL 503	Researching the City: Qualitative Strategies	
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	
GEOG 510	Economic Geography	
GEOG 511	Critical Social Theory	
GEOG 513	Queer Geographies	
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches	
GEOG 515	Trans Autotheories	
GEOG 518	Power, Place, Identity	
GEOG 566	History of Geographic Thought	
Total Credits		**9-12**

GEOGRAPHY: PEOPLE-ENVIRONMENT GEOGRAPHY

REQUIREMENTS

PEOPLE–ENVIRONMENT GEOGRAPHY OPTION REQUIREMENTS

In addition to completing the requirements for all options, complete these requirements specific to this option

SKILLS, TECHNIQUES & METHODOLOGY

Code	Title	Credits
Field Methods		
GEOG 365	Geographical Traditions and Practices	
Qualitative/Quantitative Methods (1 course)		**3-4**
GEOG 500	Qualitative Strategies in Geography	
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Cartography/GIS (1 course)		**3-4**
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	
GEOG 370	Introduction to Cartography	
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
Total Credits		**6-8**

DEPTH

Code	Title	Credits
3 courses required		9-12
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ENVIR ST 333	Green Urbanism	

GEOG/ ENVIR ST 337	Nature, Power and Society	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG/ ENVIR ST 339	Environmental Conservation	
GEOG 340	World Regions in Global Context	
GEOG 344	Changing Landscapes of the American West	
GEOG/ AMER IND/ ENVIR ST 345	Caring for Nature in Native North America	
GEOG 359	Australia: Environment and Society	
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes	
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG/ ENVIR ST 537	Culture and Environment	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
Total Credits		**9-12**

GEOGRAPHY: PHYSICAL GEOGRAPHY: EARTH SYSTEMS AND ENVIRONMENTAL PROCESSES

REQUIREMENTS

PHYSICAL GEOGRAPHY OPTION REQUIREMENTS

In addition to completing the requirements for all options, complete these requirements specific to this option

SKILLS, TECHIQUES & METHODOLOGY

Code	Title	Credits
Quantitative Methodology (1 course)		**3**
GEOG 560	Advanced Quantitative Methods	
STAT 240	Data Science Modeling I	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Core Cartography/GIS		
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
Second Cart/GIS or Field Methods Course(1 course)		**3**
GEOG 370	Introduction to Cartography	
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG 378	Introduction to Geocomputing	
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	
GEOG 572	Graphic Design in Cartography	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	
GEOG 574	Geospatial Database Design and Development	
GEOG 575	Interactive Cartography & Geovisualization	
GEOG 576	Geospatial Web and Mobile Programming	
GEOG 578	GIS Applications	
GEOG 579	GIS and Spatial Analysis	
Total Credits		**10**

DEPTH

Code	Title	Credits
3 courses required		9-12
GEOG/ GEOSCI 320	Geomorphology	
GEOG/ ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment	
GEOG/ ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	
GEOG/ ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past	
GEOG/ BOTANY 338	Environmental Biogeography	
GEOG 342	Geography of Wisconsin	
GEOG 344	Changing Landscapes of the American West	
GEOG 399	Independent Study (maximum 3 credits may apply)	
GEOG/ GEOSCI 420	Glacial and Pleistocene Geology	

GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	
GEOG/ SOIL SCI 525	Soil Geomorphology	
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	
Total Credits		**9-12**

GEOSPATIAL DATA SCIENCE, CERTIFICATE

What happens when you combine the power of locational intelligence with the deep insight enabled by data science? You get Geospatial Data Science: an exciting, rapidly growing domain that sits at the intersection of geographic information science (GIS) and data science. The Geospatial Data Science Certificate prepares students to analyze and model our world through big data with a spatial lens. From predicting the spread of wildfires in real time, to modeling urban mobility patterns, to building machine learning tools to analyze satellite imagery, geospatial data scientists help us make sense of complex geospatial and locational problems.

This interdisciplinary certificate draws on the strengths of UW–Madison's world-class programs in Cartography/GIS, Computer Sciences, and Statistics to equip students with both the geospatial foundations and data science skills needed to work in areas like geospatial artificial intelligence (geoAI), environmental predictive modeling, locational business intelligence, and disease-spread prediction.

You take a mix of courses in GIS, programming, and statistical data modeling, gaining hands-on experience with real-world data, cutting-edge tools, and industry-relevant workflows. Whether you're a Cartography/GIS student looking to enhance your data skills, or a Data Science student looking to add a geospatial dimension to help stand out, the Geospatial Data Science Certificate offers a flexible and forward-thinking path into one of today's most in-demand skillsets.

HOW TO GET IN

HOW TO GET IN

Students are eligible to declare the Geospatial Data Science Certificate at any time during their studies. Students who intend to declare the certificate must schedule an appointment with the Geography undergraduate academic advisor. See the contact information box for details.

REQUIREMENTS

REQUIREMENTS

The Geospatial Data Science Certificate requires a minimum of 17 credits.

Code	Title	Credits
Introductory Statistics		**3-4**
Complete one course from the following:		
STAT 240	Data Science Modeling I [1]	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
B M E 325	Applied Statistics for Biomedical Engineers	
ECON 310	Statistics: Measurement in Economics	
I SY E 210	Introduction to Industrial Statistics	
Core in GIScience		**8**
Complete two courses from the following:		
GEOG 370	Introduction to Cartography	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
GEOG 378	Introduction to Geocomputing	
Core in Data Science		**3-4**
Complete one course from the following:		
COMP SCI 220	Data Science Programming I	
COMP SCI 320	Data Science Programming II	
E C E 204	Data Science & Engineering	
STAT 240	Data Science Modeling I [1]	
Elective		**3-4**
Complete one course from the following:		
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	
GEOG 560	Advanced Quantitative Methods	
GEOG 572	Graphic Design in Cartography	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	
GEOG 574	Geospatial Database Design and Development	
GEOG 575	Interactive Cartography & Geovisualization	
GEOG 579	GIS and Spatial Analysis	
Total Credits		**17**

RESIDENCE AND QUALITY OF WORK

- At least 9 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

FOOTNOTES

[1] STAT 240 may satisfy both the Introductory Statistics and Core in Data Science requirements. Credit for the course will only count once toward the minimum needed to complete the certificate. Students must complete additional Elective courses to reach the minimum total credit required.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain the fundamental concepts and principles of geospatial data science, such as spatial data models, spatial analysis methods, spatial statistics, and spatial machine learning.
2. Collect, process, analyze, visualize, and communicate geospatial data and information using a variety of geospatial data science tools and other geospatial platforms.
3. Develop a variety of geospatial data science models and tools to collect, process, analyze, discover, visualize, and communicate geospatial data and information.
4. Apply geospatial data science techniques to real-world spatial problems in interdisciplinary contexts, such as environmental science, public health, urban planning, geospatial mobility, transportation, and social justice, and evaluate the ethical and societal implications of their solutions.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students with questions about the certificate, courses, and careers are encouraged to contact the undergraduate academic advisor.

Data science is a critical skill for the 21st-century workforce. Similarly, geographic information science (GIS) is one of the fastest growing sectors globally. The global GIS market size is projected to reach $681 billion in 2025, with an estimated rapid growth rate anticipated post-2025, culminating in a valuation of $1.44 trillion by 2030. This growth is driven by strategic public policy reforms, industry acceleration strategies, and innovations in AI and data science technologies. In an era dominated by big data, students require expertise in specialized programming languages, technical hardware, and the continuously evolving algorithms, methods, and tools essential for acquiring, processing, utilizing, publishing, and preserving vast volumes of geospatial data. In response, the Geospatial Data Science curriculum helps prepare students to become the next generation of geospatial data scientists and professionals, equipped with essential skills in spatial data analysis, geovisualization, AI, critical thinking, and problem-solving to meet both the needs of industry and academia.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GEOSCIENCE

The interdisciplinary department of Geoscience offers an undergraduate degree in geology and geophysics, with graduate degrees offered in both disciplines.

The Geology and Geophysics major offers unusual opportunities to integrate knowledge and technology from chemistry, biology, physics, engineering, space science, and other disciplines to understand processes that have shaped the Earth, its environments, and the life that it has sustained over billions of years. Geoscientists provide insight on surface and groundwater resources and how to protect and preserve them. They probe the causes and potential risks associated with natural hazards including earthquakes, volcanoes, floods, hurricanes, landslides, climate change, and sea level rise. Sustainable exploration and extraction of key mineral resources needed to build and power a resilient and green society depends on well-trained geoscientists. To explore Earth history, develop materials and energy resources, and take the pulse of a dynamic planet, geoscientists use an extraordinary array of tools including satellites to measure changes of Earth's surface, sensitive instruments to detect seismic waves for exploring resources underground, cutting-edge instrumentation to measure the composition of minerals and rocks at microscopic scales, and computational approaches to assemble and interrogate enormous sets of data acquired from rocks and fossils across the globe.

Geology students have a strong interest in the natural environment as it is today and as it has developed over the past 4.5 billion years. The Department of Geoscience challenges students to develop skills in sequential thought, inductive reasoning, and three-dimensional perception. Moreover, students who concentrate in geophysics learn basic physical laws and processes involving gravity, magnetism, heat flow, and seismic wave propagation within Earth. Opportunities also include learning how satellite-based measurements, and computational approaches, are used to measure and monitor geothermal resources, volcanic activity, earthquakes, and groundwater movement.

Geology and Geophysics students prepare for careers in hydrogeology, energy, mining, engineering, and education. Students are exceptionally well-prepared for graduate studies in a broad array of geoscience fields.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Geology and Geophysics, BA (p. 772)
- Geology and Geophysics, BS (p. 775)

GEOLOGY AND GEOPHYSICS, BA

The interdisciplinary department of Geoscience offers an undergraduate degree in geology and geophysics, with graduate degrees offered in both disciplines.

The Geology and Geophysics major offers unusual opportunities to integrate knowledge and technology from chemistry, biology, physics, engineering, space science, and other disciplines to understand processes that have shaped the Earth, its environments, and the life that it has sustained over billions of years. Geoscientists provide insight on surface and groundwater resources and how to protect and preserve them. They probe the causes and potential risks associated with natural hazards including earthquakes, volcanoes, floods, hurricanes, landslides, climate change, and sea level rise. Sustainable exploration and extraction of key mineral resources needed to build and power a resilient and green society depends on well-trained geoscientists. To explore Earth history, develop materials and energy resources, and to take the pulse of a dynamic planet, geoscientists use an extraordinary array of tools, including satellites to measure changes of Earth's surface, sensitive instruments to detect seismic waves for exploring resources underground, cutting-edge instrumentation to measure the composition of minerals and rocks at microscopic scales, and computational approaches to assemble and interrogate enormous sets of data acquired from rocks and fossils across the globe.

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Geology and Geophysics students prepare for careers in hydrogeology, energy, mining, engineering, and education. Students are exceptionally well-prepared for graduate studies in a broad array of geoscience fields.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Prospective majors are strongly encouraged to seek assistance from a faculty advisor in order to choose courses appropriate to their interests and career plans. Advisors can also assist students in choosing a pathway that is appropriate for their interests and career goals.

BACKGROUND REQUIREMENTS

Code	Title	Credits
Calculus		
Complete one sequence:		9-14
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	
MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	
Chemistry		
Complete one sequence:		5-10
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Physics		
First Introductory Course		
Complete one of the following:		5-6
PHYSICS 207	General Physics	
or PHYSICS 201	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
E M A 201 & E M A 202	Statics and Dynamics	
Second Introductory Course		
Complete one of the following:		5
PHYSICS 208	General Physics	
or PHYSICS 202	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Total Credits		**24-35**

GEOLOGY & GEOPHYSICS CORE COURSEWORK

Code	Title	Credits
Core		
Complete all of the following:		
GEOSCI 100	Introductory Geology: How the Earth Works	3
or GEOSCI/ ENVIR ST 106	Environmental Geology	
GEOSCI 202	Introduction to Geologic Structures	4
GEOSCI 204	Geologic Evolution of the Earth	4
GEOSCI/G L E 360	Principles of Mineralogy	3
GEOSCI/G L E 370	Elementary Petrology	3
Advanced Breadth		
Complete one:		3-4
GEOSCI/ G L E 350	Introduction to Geophysics: The Dynamic Earth	
GEOSCI 375	Principles of Geochemistry	
GEOSCI 430	Sedimentology and Stratigraphy [1]	
GEOSCI/ G L E 455	Structural Geology	
Total Credits		**20-21**

[1] GEOSCI 430 (https://guide.wisc.edu/?P=GEOSCI%20430) may be taken to satisfy both Advanced Breadth and Communication requirement, but the credit will only count once towards total credits needed to complete the major.

GEOLOGY & GEOPHYSICS COMMUNICATION REQUIREMENT

Code	Title	Credits
Complete one of the following:		
GEOSCI 402	Research and Communication in the Geological Sciences	3
GEOSCI/ATM OCN/ ENVIR ST/ GEOG 335	Climatic Environments of the Past	3
GEOSCI 430	Sedimentology and Stratigraphy [1]	3
GEOSCI 610	Geochronology, Timescales, and Rates of Geologic Processes	3

GEOSCI/G L E 629	Contaminant Hydrogeology	3
INTEREGR 397	Engineering Communication	3

[1] GEOSCI 430 (https://guide.wisc.edu/?P=GEOSCI%20430) may be taken to satisfy both Advanced Breadth and Communication requirement, but the credit will only count once towards total credits needed to complete the major.

GEOLOGY & GEOPHYSICS MAJOR ELECTIVES

Complete additional upper-level coursework to reach a minimum of 34 credits in the major. GEOSCI courses numbered 300-692, except GEOSCI 331, are considered upper-level.Complete additional upper-level coursework to reach a minimum of 34 credits in the major.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all GEOSCI and major courses
- 2.000 on 15 upper-level major credits, taken in residence [1]
- 15 credits in GEOSCI, taken on campus

[1] GEOSCI 300-699, excluding GEOSCI 331, are considered Upper Level in the Major

HONORS IN THE MAJOR

Students may declare Honors in the Geology and Geophysics Major in consultation with the departmental undergraduate advisor.

HONORS IN THE MAJOR: GEOLOGY AND GEOPHYSICS: REQUIREMENTS

To earn Honors in the Geology and Geophysics Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA in all GEOSCI and major courses
- Complete GEOSCI 681 and GEOSCI 682, for a total of 6 credits, with a grade of B or better.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire a working knowledge of Earth history and the evidence used to constrain that history.
2. Explain how various Earth systems operate and describe the basis for that understanding. Earth systems include the lithosphere, hydrosphere, cryosphere, biosphere, and atmosphere.
3. Apply field/lab-based methods, spatial reasoning skills, temporal reasoning skills, and/or quantitative approaches to solve problems in geoscience.
4. Analyze geological, biological, chemical, and/or physical information to understand Earth processes and the rates of those processes.
5. Read the scientific literature and understand the employed methods, results, and emergent interpretations.
6. Communicate scientific data, concepts, and models effectively.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 221 (Quantitative Reasoning B)	5	MATH 222	4
CHEM 103	4	CHEM 104	5
GEOSCI 100 or 106	3	GEOSCI 204	4
Language	4	Comm A (take during first year)	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 207	5	PHYSICS 208	5
GEOSCI 202	4	GEOSCI/G L E 370	3
GEOSCI/G L E 360	3	Ethnic Studies (take within first 60 credits)	3
L&S Breadth	3	L&S Breadth	3
	15		**14**

Third Year

Fall	Credits	Spring	Credits
GEOSCI Elective 300 level and above	4	GEOSCI Elective 300 level and above	3
GEOSCI Elective 300 level and above	4	GEOSCI Elective 300 level and above	3
L&S Breadth	3	L&S Breadth	3
L&S Breadth	4	L&S Breadth	3
		Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
GEOSCI elective 300 level and above	4	GEOSCI elective 300 level and above	4
GEOSCI elective 300 level and above	3	L&S Breadth	3
Comm B / GEOSCI 402	3	L&S Breadth	3
Elective	5	Elective	4
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Geoscience website (https://geoscience.wisc.edu/academics/undergraduate-program/).

Any student interested in the Geology and Geophysics major should meet with the advisor or program manager to discuss steps to complete the necessary coursework for the major.

CAREERS

More than half of all professional geologists and geophysicists work in hydrogeology, engineering geology, technical consulting, mining, or energy resource industries. The need for energy, environmental protection, and responsible land and resource management is expected to spur future demand for geoscientists. Geoscientists will be involved in discovering and developing next-generation energy and mineral resources (U.S. Bureau of Labor Statistics, November, 2022). Such careers involve an unusual breadth of training and personal adaptability, and the MS degree is generally required. About one-fifth of all geoscientists work in state and federal geological surveys or research activities. These positions largely involve problems in geologic mapping, mineral resources, groundwater, and engineering. Geophysics offers opportunities in earthquake studies, seismic verification of nuclear test bans, and rock characterization techniques for waste disposal and groundwater modeling. Many geology students continue on to obtain a PhD degree and become faculty members at colleges or universities. A geology and geophysics major is also appropriate for those interested in careers in elementary or secondary education, environmental policy, or environmental law. Faculty advisors can provide additional information on career opportunities.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GEOLOGY AND GEOPHYSICS, BS

The interdisciplinary department of Geoscience offers an undergraduate degree in geology and geophysics, with graduate degrees offered in both disciplines.

The Geology and Geophysics major offers unusual opportunities to integrate knowledge and technology from chemistry, biology, physics, engineering, space science, and other disciplines to understand processes that have shaped the Earth, its environments, and the life that it has sustained over billions of years. Geoscientists provide insight on surface and groundwater resources and how to protect and preserve them. They probe the causes and potential risks associated with natural hazards including earthquakes, volcanoes, floods, hurricanes, landslides, climate change, and sea level rise. Sustainable exploration and extraction of key mineral resources needed to build and power a resilient and green society depends on well-trained geoscientists. To explore Earth history, develop materials and energy resources, and take the pulse of a dynamic planet, geoscientists use an extraordinary array of tools, including satellites to measure changes of Earth's surface, sensitive instruments to detect seismic waves for exploring resources underground, cutting-edge instrumentation to measure the composition of minerals and rocks at microscopic scales, and computational approaches to assemble and interrogate enormous sets of data acquired from rocks and fossils across the globe.

Geology students have a strong interest in the natural environment as it is today and as it has developed over the past 4.5 billion years. The Department of Geoscience challenges students to develop skills in sequential thought, inductive reasoning, and three-dimensional perception. Moreover, students who concentrate in geophysics learn basic physical laws and processes involving gravity, magnetism, heat flow, and seismic wave propagation within Earth. Opportunities also include learning how satellite-based measurements, and computational approaches, are used to measure and monitor geothermal resources, volcanic activity, earthquakes, and groundwater movement.

Geology and Geophysics students prepare for careers in hydrogeology, energy, mining, engineering, and education. Students are exceptionally well-prepared for graduate studies in a broad array of geoscience fields.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Prospective majors are strongly encouraged to seek assistance from a faculty advisor in order to choose courses appropriate to their interests and career plans. Advisors can also assist students in choosing a pathway that is appropriate for their interests and career goals.

BACKGROUND REQUIREMENTS

Code	Title	Credits
Calculus		
Complete one sequence:		9-14
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	

MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	
Chemistry		
Complete one sequence:		5-10
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Physics		
First Introductory Course		
Complete one of the following:		5-6
PHYSICS 207	General Physics	
or PHYSICS 201	General Physics	
or PHYSICS 247	A Modern Introduction to Physics	
E M A 201 & E M A 202	Statics and Dynamics	
Second Introductory Course		
Complete one of the following:		5
PHYSICS 208	General Physics	
or PHYSICS 202	General Physics	
or PHYSICS 248	A Modern Introduction to Physics	
Total Credits		**24-35**

GEOLOGY & GEOPHYSICS CORE COURSEWORK

Code	Title	Credits
Core		
Complete all of the following:		
GEOSCI 100	Introductory Geology: How the Earth Works	3
or GEOSCI/ ENVIR ST 106	Environmental Geology	
GEOSCI 202	Introduction to Geologic Structures	4
GEOSCI 204	Geologic Evolution of the Earth	4
GEOSCI/G L E 360	Principles of Mineralogy	3
GEOSCI/G L E 370	Elementary Petrology	3
Advanced Breadth		
Complete one:		3-4
GEOSCI/ G L E 350	Introduction to Geophysics: The Dynamic Earth	
GEOSCI 375	Principles of Geochemistry	
GEOSCI 430	Sedimentology and Stratigraphy [1]	
GEOSCI/ G L E 455	Structural Geology	
Total Credits		**20-21**

[1] GEOSCI 430 (https://guide.wisc.edu/?P=GEOSCI%20430) may be taken to satisfy both Advanced Breadth and Communication requirement, but the credit will only count once towards total credits needed to complete the major.

GEOLOGY & GEOPHYSICS COMMUNICATION REQUIREMENT

Code	Title	Credits
Complete one of the following:		
GEOSCI 402	Research and Communication in the Geological Sciences	3
GEOSCI/ATM OCN/ ENVIR ST/ GEOG 335	Climatic Environments of the Past	3
GEOSCI 430	Sedimentology and Stratigraphy [1]	3
GEOSCI 610	Geochronology, Timescales, and Rates of Geologic Processes	3
GEOSCI/G L E 629	Contaminant Hydrogeology	3
INTEREGR 397	Engineering Communication	3

[1] GEOSCI 430 (https://guide.wisc.edu/?P=GEOSCI%20430) may be taken to satisfy both Advanced Breadth and Communication requirement, but the credit will only count once towards total credits needed to complete the major.

GEOLOGY & GEOPHYSICS MAJOR ELECTIVES

Complete additional upper-level coursework to reach a minimum of 34 credits in the major. GEOSCI courses numbered 300-692, except GEOSCI 331, are considered upper-level.Complete additional upper-level coursework to reach a minimum of 34 credits in the major.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all GEOSCI and major courses
- 2.000 on 15 upper-level major credits, taken in residence [1]
- 15 credits in GEOSCI, taken on campus

[1] GEOSCI 300-699, excluding GEOSCI 331, are considered Upper Level in the Major

HONORS IN THE MAJOR

Students may declare Honors in the Geology and Geophysics Major in consultation with the departmental undergraduate advisor.

HONORS IN THE MAJOR: GEOLOGY AND GEOPHYSICS: REQUIREMENTS

To earn Honors in the Geology and Geophysics Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA in all GEOSCI and major courses
- Complete GEOSCI 681 and GEOSCI 682, for a total of 6 credits, with a grade of B or better.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire a working knowledge of Earth history and the evidence used to constrain that history.
2. Explain how various Earth systems operate and describe the basis for that understanding. Earth systems include the lithosphere, hydrosphere, cryosphere, biosphere, and atmosphere.
3. Apply field/lab-based methods, spatial reasoning skills, temporal reasoning skills, and/or quantitative approaches to solve problems in geoscience.
4. Analyze geological, biological, chemical, and/or physical information to understand Earth processes and the rates of those processes.
5. Read the scientific literature and understand the employed methods, results, and emergent interpretations.
6. Communicate scientific data, concepts, and models effectively.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MATH 221 (Quantitative Reasoning B)	5	MATH 222	4
CHEM 103	4	CHEM 104	5
GEOSCI 100 or 106	3	GEOSCI 204	4
Language	4	Comm A (take during first year)	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 207	5	PHYSICS 208	5
GEOSCI 202	4	GEOSCI/G L E 370	3
GEOSCI/G L E 360	3	Ethnic Studies (take within first 60 credits)	3
L&S Breadth	3	L&S Breadth	3
	15		**14**

Third Year

Fall	Credits	Spring	Credits
GEOSCI Elective 300 level and above	4	GEOSCI Elective 300 level and above	3
GEOSCI Elective 300 level and above	4	GEOSCI Elective 300 level and above	3
L&S Breadth	3	L&S Breadth	3
L&S Breadth	4	L&S Breadth	3
		Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
GEOSCI elective 300 level and above	4	GEOSCI elective 300 level and above	4
GEOSCI elective 300 level and above	3	L&S Breadth	3
Comm B / GEOSCI 402	3	L&S Breadth	3
Elective	5	Elective	4
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Geoscience website (https://geoscience.wisc.edu/academics/undergraduate-program/).

Any student interested in the Geology and Geophysics major should meet with the advisor or program manager to discuss steps to complete the necessary coursework for the major.

CAREERS

More than half of all professional geologists and geophysicists work in hydrogeology, engineering geology, technical consulting, mining, or energy resource industries. The need for energy, environmental protection, and responsible land and resource management is expected to spur future

demand for geoscientists. Geoscientists will be involved in discovering and developing next-generation energy and mineral resources (U.S. Bureau of Labor Statistics, November, 2022). Such careers involve an unusual breadth of training and personal adaptability, and the MS degree is generally required. About one-fifth of all geoscientists work in state and federal geological surveys or research activities. These positions largely involve problems in geologic mapping, mineral resources, groundwater, and engineering. Geophysics offers opportunities in earthquake studies, seismic verification of nuclear test bans, and rock characterization techniques for waste disposal and groundwater modeling. Many geology students continue on to obtain a PhD degree and become faculty members at colleges or universities. A geology and geophysics major is also appropriate for those interested in careers in elementary or secondary education, environmental policy, or environmental law. Faculty advisors can provide additional information on career opportunities.

SUCCESSWORKS

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- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GERMAN, NORDIC, AND SLAVIC

The Department of German, Nordic, and Slavic is home to undergraduate programs in German (p. 779), Scandinavian Studies (p. 779), Russian (p. 780), and Polish (p. 780), as well as certificates in the Folklore program (p. 780), Slavic Studies (p. 780), and Languages and Cultures of Northern Europe (p. 779). The department offers courses in the languages, linguistics, literatures, and cultures of these areas, both in the target languages and in translation. GNS provides instruction in more than a dozen languages, including Danish, Dutch, Finnish, German, Kazakh, Norwegian, Old Norse, Polish, Russian, Swedish, Turkish, Ukrainian, and Yiddish.

GERMAN PROGRAM

The German program affords students the opportunity to begin or continue their study of German and/or Dutch.

Knowledge of German provides access to a culture that for more than a millennium has been central to the history, economy, arts, and sciences not just of Europe but of Western civilization as a whole. In the contemporary world, German-speaking countries have Europe's strongest economies and are playing an increasingly important role in world affairs. More Americans claim German ethnicity than any other, and German-speaking immigrants and their descendants have had an enduring impact on the history and culture of the United States. UW–Madison has been a leader in the field of German studies for more than a century. The university's libraries are remarkable for the depth and breadth of their German-language holdings.

Knowledge of Dutch provides access to a culture that has been an important force in world history since the Middle Ages. The language of more than 20 million inhabitants of the Netherlands and Flanders (Dutch-speaking Belgium), Dutch is also spoken in Suriname and the Netherlands Antilles. It is also an important second language in Indonesia. As major economic powers, Belgium and the Netherlands play a leading role in shaping the European Union. World-class research in the sciences and humanities is conducted at Dutch and Belgian universities, and both countries can boast of a cultural life in which art, music, and theater are all flourishing.

OPPORTUNITIES FOR GERMAN AND DUTCH STUDENTS

In addition to choosing from courses in culture, literature, linguistics, and German-American studies, German students can practice the language in various settings on campus, including the Stockwerk Deutsch (http://gns.wisc.edu/stockwerk-deutsch/) Language House, which is located in Kronshage Residence Hall. Other opportunities include the German Club, Kaffeestunde, and Stammtisch. There is also a Dutch Table for students of Dutch. Many German and Dutch students participate on semester- or year-long study abroad programs in Germany, Austria, and the Netherlands administered through International Academic Programs (http://www.studyabroad.wisc.edu/), the School of Business, the College of Engineering, and the College of Agriculture and Life Sciences. The International Internship Program (http://internships.international.wisc.edu/) also connects UW–Madison students to a wide range of internships in German- and Dutch-speaking Europe.

SCANDINAVIAN STUDIES (NORDIC)

The Scandinavian Studies Program provides the opportunity to learn a Scandinavian language or Finnish (modern Icelandic only occasionally). The literature, folklore, and culture of the Nordic countries are taught both in the original languages and in English translation. Partly in cooperation with other departments, courses in Scandinavian area studies are offered (history, social institutions, geography, art, archaeology). Students who major in the field may continue graduate studies toward an MA in Scandinavian philology, literature, or area studies, and toward a PhD in Scandinavian literature, philology, or folklore.

The program strongly encourages a junior-year abroad in a Nordic country; several exchange programs are available. Students who transfer to this university after a year abroad should contact the undergraduate advisor as early as possible to schedule a placement test.

LANGUAGES AND CULTURES OF NORTHERN EUROPE

The Languages and Cultures of Northern Europe certificate offers an opportunity to study the many diverse linguistic, cultural, and religious communities that have become part of Northern Europe as a result of international migration and pan-European economic integration.

Students earning the certificate have maximum flexibility of choice in the culture they wish to study in depth, or if they want to take a comparative approach over the region. The certificate maps intellectually a complex and fascinating region of contemporary Europe—one which is marked not only by longstanding national cultures but also by an increasingly diverse and mobile populace.

If students wish, students may include language study in Dutch, Swedish, Norwegian, Danish, Finnish, or Yiddish as part of their course choices.

RUSSIAN

Russian is designated a critical language by the United States government. Russian is the seventh-most spoken language in the world and is among the six official languages of the United Nations. Russian speakers live not only in Russia, but in Central Asia, the Caucasus, Eastern Europe, including the Baltic states, and in Russian-speaking diasporas in the United States and throughout the world. Because Russian is so widely spoken in many countries throughout the world, it is an in-demand critical language for careers including government service, non-governmental organizations, science and scholarship, and some business sectors.

Students in the Russian major not only learn the Russian language but read Russian literature in both Russian and English and become familiar with Russian film and visual arts, theater and performing arts, and music.

The Russian major is designed to meet the needs of students who begin to study the language in college as well as those who began to study the language in high school or who grew up speaking or hearing Russian at home.

Russian majors are able to speak Russian in everyday and some work situations, read and listen to Russian-language news and media, and write for daily, academic, and some professional purposes. In addition, Russian majors gain an appreciation and a deeper understanding of the variety of places and cultures in which Russian is spoken, and of politics and foreign policy, history, and world-renowned literary and artistic traditions.

RUSSIAN FLAGSHIP PROGRAM

The Russian Flagship Program offers students of any major the opportunity to achieve a professional level of competence in Russian. Students apply to the program directly. Residential and study abroad requirements, course options, and scholarship information are posted at Russian Flagship (http://www.russianflagship.wisc.edu/). To obtain more information about the Russian Flagship Program, students should make an appointment with a Russian Flagship advisor. (https://russianflagship.wisc.edu/advising/)

POLISH

Polish is the most commonly spoken Slavic language of the European Union and the second largest Slavic language in the world, with over 50 million users across the globe. Poland has a unique and vibrant culture shaped by a millennium of artistic and intellectual innovation and struggles for political, social, and cultural independence. The country survived two world wars and half a century of communist rule to emerge as a regional leader in East-Central Europe, the fastest-growing economy in the European Union, and home to one of the most dynamic cultural scenes in the world. It is also a key NATO and U.S. ally in Europe. Polish diaspora is among the world's largest, with major concentrations in the United States, Canada, the United Kingdom, Germany, and France.

The Polish major offers courses in the Polish language, literature, culture, politics, and one of the most intricate, fascinating histories in Europe, providing the knowledge and skills for successful careers in business, politics, diplomacy, arts, translation, international law, environmental science, journalism, national security, tourism, and cultural services.

SLAVIC STUDIES CERTIFICATE

In the Slavic Studies Certificate, students have the opportunity to pair strong language training in Russian or Polish with a contextual, integrative regional view to complement their studies in political science, international studies, business, history, or many other areas. Students gain a critically informed appreciation and understanding of the complex, interwoven nature of the region's historical trajectories, politics, literature, and culture, with the flexibility to choose to focus on the area or culture of their special interest or take a comparative approach to the region as a whole. Topics include revolution and power, trauma and the politics of memory, the immigrant experience, adventure, folklore, the politics of laughter, and science fiction.

Are you of Polish or Russian heritage, or do you just have a fascination with the region of the world in which these languages are spoken? Can you imagine using these languages in your future career or research? Discover the world that has survived the horrors of two world wars, given birth to some of the most powerful dissident movements in modern history, and inspired the world with its art, film, literature, and political thought.

FOLKLORE CERTIFICATE

The Folklore Certificate provides opportunities to explore the importance of everyday expressive culture—such as storytelling, sacred traditions, art, music, foodways, and festivals—to better appreciate human diversity, as well as understand the challenges of living together as local community members and citizens of the world. Students will gain fresh perspectives on race, ethnicity, gender, sexuality, and class. They will come to recognize the artfulness in everyday life and community-based creativity in a global economy. Students will learn to navigate cultural communication and conflict within and across religious, geographic, and ethnic divides.

Folklore courses are taught partly in cooperation with other departments and are cross-listed with classes in Gender and Women's Studies, Anthropology Religious Studies, Art, Communications, Dance, African American Studies, Scandinavian Studies, and many others.

Students who earn a certificate in the field may work in museums, the business sector, archives, publishing, or many other areas.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- East Central European Languages, Literatures, and Cultures, Certificate (p. 781)
- Folklore, Certificate (p. 782)
- German, BA (p. 784)
- German, BS (p. 788)
- German, Certificate (p. 792)
- Languages and Cultures of Northern Europe, Certificate (p. 793)
- Polish, BA (p. 795)
- Polish, BS (p. 799)
- Russian, BA (p. 802)
- Russian, BS (p. 806)

- Scandinavian Studies, BA (p. 810)
- Scandinavian Studies, BS (p. 813)
- Scandinavian Studies, Certificate (p. 817)
- Slavic Studies, Certificate (p. 819)

EAST CENTRAL EUROPEAN LANGUAGES, LITERATURES, AND CULTURES, CERTIFICATE

Admissions to the East Central European Languages, Literatures, and Cultures Certificate were suspended as of fall 2023 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

Please see the Slavic Studies Certificate (p. 819) instead.

Explore the crossroads of Europe with courses designed to give you the linguistic-cultural skills for successful academic, business, political, diplomatic, and analytical careers centered on the continent's most economically dynamic, strategically important, and culturally rich region. Discover the world that has survived the horrors of two world wars, given birth to some of the most powerful dissident movements in modern history, and inspired the world with its art, film, literature, and political thought.

Are you fascinated with East-Central Europe? Do you want to learn Polish or Czech? Do you want to hear more about the professional opportunities that study of the region can offer you? The Certificate in East Central European Languages, Literatures, and Cultures is your gateway!

- Excellent study abroad and scholarship opportunities;
- A rich set of course offerings that includes language instruction, as well as theme-based classes on topics such as popular culture and cultural history, (post-)communism, the immigrant experience in America, dissidence, film, the politics of laughter, and science fiction.

HOW TO GET IN

HOW TO GET IN

Admissions to the East Central European Languages, Literatures, and Cultures Certificate were suspended as of fall 2023 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

REQUIREMENTS

REQUIREMENTS

In order to receive the certificate in East Central European languages, literature, and cultures, students are required to complete a minimum of **15 credits total**.

Code	Title	Credits
Part 1		
Select one of the following options:		6-8
SLAVIC 217 & SLAVIC 218	Third Semester Czech and Fourth Semester Czech	
SLAVIC 207 & SLAVIC 208	Third Semester Polish and Fourth Semester Polish [1]	
Part 2		
Select three courses from the following:		9
LITTRANS 207	Slavic Science Fiction through Literature and Film	
LITTRANS 208	The Writings of Vaclav Havel: Crtitique of Modern Society	
LITTRANS/ SLAVIC 215	Love and Death: Introduction to Polish Literature & Culture	
LITTRANS 218	Polish Literature in Translation: Late 19th and 20th Centuries	
LITTRANS 241	Literatures and Cultures of Eastern Europe	
LITTRANS 247	Topics in Slavic Literatures in Translation	
LITTRANS/ FOLKLORE 327	Vampires	
LITTRANS 454	History of Serbian and Croatian Literature	
LITTRANS 471	Polish Literature (in Translation), Middle Ages to 1863	
LITTRANS 473	Polish Literature (in Translation) since 1863	
SLAVIC 231	History and Ethics on Film: Polish Cinema	
SLAVIC 242	Literatures and Cultures of Eastern Europe	
SLAVIC 245	Topics in Slavic Literatures	
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey	
SLAVIC 307	Study Abroad in Poland	
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
Total Credits		**15**

[1] Students can satisfy this requirement by completing any two courses in Polish language beyond the second semester, including: SLAVIC 207 Third Semester Polish, SLAVIC 208 Fourth Semester Polish, SLAVIC 277 Third Year Polish I, SLAVIC 278 Third Year Polish II, SLAVIC 331 Fourth Year Polish I, and SLAVIC 332 Fourth Year Polish II.

RESIDENCE AND QUALITY OF WORK

- At least 8 credits must be earned in residence.
- Students must earn a cumulative 2.000 GPA on required certificate coursework.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Minimally acquire intermediate proficiency in an East Central European Language (Czech, Polish, or SerboCroatian).
2. Develop and apply writing skills and oral communications skills appropriate to Liberal Arts education in the context of Slavic studies to the literatures and cultures of the region.
3. Develop and apply critical-thinking skills inherent in the Liberal Arts tradition to the literature and culture of the region.
4. Analyze and interpret cultural products of the region (i.e. works of literature, films, etc.) in themselves and in the context of specific historical and cultural conditions.

ADVISING AND CAREERS

ADVISING AND CAREERS

Language placement tests are advised for any student with previous knowledge or experience with Polish or Czech. The test consists of a one-on-one appointment with a professor, with written, oral, and reading comprehension components.

Placement Advisors for the languages represented by the certificate are:

- David Danaher (dsdanaher@wisc.edu) for Czech
- Łukasz Wodzyński (lukasz.wodzynski@wisc.edu) for Polish

For other undergraduate questions or to declare the certificate, please contact our undergraduate advisor, Joanna Schuth (jschuth@wisc.edu).

SUCCESSWORKS

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FOLKLORE, CERTIFICATE

Folklore is the discovery and understanding of everyday human culture: the patterns of ideas, behavior, music, dance, foodways, rituals, crafts, traditions, beliefs, lore, and customs of the everyday people that define our world.

Folklore is a discipline which crosses cultural borders and ethnic boundaries. It seeks to define the place of cultures and ethnicities within the family of humankind as well as examine and document how they intersect and influence each other. It builds bridges of understanding and is critical to our appreciation of how the world works, and how we use traditional knowledge to meet new challenges.

Folklore students will gain fresh perspectives on the ethnic, regional, occupational, gender, and other identities of individuals in specific communities. Students gain knowledge and experience in cultural backgrounds, collection techniques, fieldwork and research, theoretical analysis, and text comprehension and writing.

Folklore touches on every aspect of human life: health and illness, cultural diversity, social and political movements, superstition and fears, the movement of information and disinformation, trends and memes, family and home life, educational systems, entertainment and creative arts, politics and government, fashion and design, gender and sexuality, events and festivals, and more.

Training in folklore and folkloristic practices is useful in careers in the arts, public history, preservation, and museum stewardship, but also in health and medicine, social work, education, law, politics and intelligence, psychology, anthropology, marketing, the nonprofit sector, journalism, gaming, international business, tourism, and much more.

HOW TO GET IN

HOW TO GET IN

Students must make an appointment with or email the undergraduate advisor to declare the certificate.

REQUIREMENTS

REQUIREMENTS

A total of 12 credits to complete the Certificate, to include:[1]

CATEGORY A: BASICS, FIELDWORK, DOCUMENTING, AND PRESERVING

One course and three credits are required, from:

Code	Title	Credits
FOLKLORE 100	Introduction to Folklore	3
FOLKLORE/ GNS 200	Folklore of Central, Eastern and Northern Europe	3
FOLKLORE 230	Introduction to American Folklore	3
FOLKLORE 320	Folklore of Wisconsin	3

FOLKLORE 439	Foodways	3
FOLKLORE/ L I S 490	Field Methods and the Public Presentation of Folklore	3
FOLKLORE 491	Practicum in Public Folklore	1-3
FOLKLORE/ COM ARTS 522	Digital Storytelling for Social Media	3

CATEGORY B: ANALYSIS AND FOCUSED TOPICS

One course and three credits are required, from:

Code	Title	Credits
FOLKLORE/ MUSIC 103	Introduction to Music Cultures of the World	3
FOLKLORE/ RELIG ST 104	Sacred Places and Journeys	3
FOLKLORE/ AFRICAN 210	The African Storyteller	3
FOLKLORE/ ANTHRO/INTL ST/ LINGUIS 211	Global Language Issues	3
FOLKLORE 215	Elementary Topics in Folklore	1-3
FOLKLORE 220	The Folk Tale	3
FOLKLORE 225	Horror as Expressions of National Angst	3
FOLKLORE/ MEDIEVAL/ SCAND ST 235	The World of Sagas	3
FOLKLORE 315	Intermediate Topics in Folklore	1-3
FOLKLORE 317	The Irish Tradition	3
FOLKLORE/ AFROAMER/ ASIAN AM/ DANCE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3
FOLKLORE/ RELIG ST 326	The Supernatural in the Modern World	3
FOLKLORE/ LITTRANS 327	Vampires	3
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	3
FOLKLORE/ LITTRANS/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	3
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
FOLKLORE/ RELIG ST 352	Shamanism	3
FOLKLORE 399	Directed Study in Folklore for Undergraduates	1-3
FOLKLORE 415	Advanced Topics in Folklore	1-3
FOLKLORE/ GEN&WS 428	Gender and Expressive Culture	3
FOLKLORE 430	Topics in American Folklore: Ethnic Studies	3-6
FOLKLORE/ AMER IND/ ANTHRO/ GEN&WS 437	American Indian Women	3
FOLKLORE/ SCAND ST 440	Scandinavian American Folklore	3
FOLKLORE/ SCAND ST 443	Sami Culture, Yesterday and Today	4
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	3
FOLKLORE/ MEDIEVAL/ SCAND ST 446	Celtic-Scandinavian Cultural Interrelations	3
FOLKLORE 460	Folk Epics	3
FOLKLORE/ MUSIC 515	Proseminar in Ethnomusicology	3
FOLKLORE/ MUSIC 516	Ethnographic Methods for Music and Sound	3
FOLKLORE 530	Topics in Folklore	1-3
FOLKLORE 540	Local Culture and Identity in the Upper Midwest	3
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	3
ANTHRO/ LINGUIS 430	Language and Culture	3-4
GNS/ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3

RESIDENCE AND QUALITY OF WORK

- At least 6 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

[1] Courses taken on a Pass/Fail grading basis are not eligible, and do not count, in the Certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate skill in the methods and productions folklorists employ in their work.
2. Analyze the connections between expressive performances and the wider workings of culture.
3. Apply and engage in ethical considerations in research and collaborative practice, particularly with reference to cultural, economic, religious, ethnic, and gender diversity.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students should contact the undergraduate advisor, Joanna Schuth (jschuth@wisc.edu) to declare the certificate.

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GERMAN, BA

The German program affords students the opportunity to begin or continue their study of German and/or Dutch.

GERMAN

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DUTCH

Knowledge of Dutch provides access to a culture that has been an important force in world history since the Middle Ages. The language of more than 20 million inhabitants of the Netherlands and Flanders (Dutch-speaking Belgium), Dutch is also spoken in Suriname and the Netherlands Antilles. It is also an important second language in Indonesia. As major economic powers, Belgium and the Netherlands play a leading role in shaping the European Union. World-class research in the sciences and humanities is conducted at Dutch and Belgian universities, and both countries can boast of a cultural life in which art, music, and theater are all flourishing.

STUDY ABROAD

The German program works closely with International Academic Programs (http://www.studyabroad.wisc.edu/) to provide a range of opportunities for study in Germany and the Netherlands. The program also cooperates with the School of Business, which maintains study abroad programs in Germany and Austria open to all qualified undergraduates, not just business majors. Finally, the College of Engineering and the College of Agriculture and Life Sciences offer study abroad programs in Germany for qualified students in these colleges.

OTHER OPPORTUNITIES FOR GERMAN STUDENTS

UW–Madison students interested in international internships should visit the website of the International Internship Program (http://internships.international.wisc.edu/).

The German-language learning community, Stockwerk Deutsch (https://www.housing.wisc.edu/undergraduate/communities/international/language-communities/), is located in Kronshage Residence Hall, one of the Lakeshore residence halls. Undergraduate students live and speak German together with a resident native speaker of German.

Other regular student activities include film screenings and lectures as well as informal, conversation-oriented Kaffeestunde, Stammtisch, Dutch Table, and the German Club.

OFFERINGS IN DUTCH STUDIES

Course offerings in Dutch include five semesters of language instruction as well as courses in the literature and culture of the Low Countries. Courses in Dutch language satisfy the L&S Language requirement, while courses in Dutch literature and culture carry literature and humanities credits, respectively. Dutch literature is also offered under Literature in Translation.

A major in Dutch studies is not yet established at UW–Madison, but interested students are encouraged to pursue an individual major in the field. In addition to the study of language, literature, and culture, this could entail coursework in art history, geography, history, sociology, and so on. Courses taken in the study abroad program in Utrecht (https://studyabroad.wisc.edu/programsearch/) can also be applied to an individual major in Dutch studies.

HOW TO GET IN

HOW TO GET IN

DECLARING THE MAJOR

Students who have completed the prerequisite coursework may declare the German major at any time by consulting with the German program's undergraduate advisor.

Students declared in the German certificate may not be declared in the German major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

Prerequisites for the Major in German

A total of 9 credits of language coursework at the third-year (post-204, "2xx") level is required for the German major. Third-year German language

courses (GERMAN 249, GERMAN 258, GERMAN 262, GERMAN 285) are not sequenced; they may be taken in any order and/or simultaneously.

Complete one of the following two groups of prerequisite courses:

Code	Title	Credits
Group 1:		
GERMAN 249 & GERMAN 258 & GERMAN 262	Intermediate German - Speaking and Listening and Intermediate German-Reading and Intermediate German-Writing	9
Group 2:		
GERMAN 249 & GERMAN 285	Intermediate German - Speaking and Listening and Intermediate Intensive (Honors) German: Language, Culture, Texts	9

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

27 credits in the major, as follows:

Code	Title	Credits
Required Courses		**6**
GERMAN 337	Advanced Composition & Conversation	
GERMAN 676	Advanced Seminar in German Studies [1]	
Electives [1]		**21**
GERMAN 305	Literatur des 20. und 21. Jahrhunderts	
GERMAN 351	Introduction to German Linguistics	
GERMAN 352	Topics in German Linguistics	
GERMAN 362	Topics in German Literature	
GERMAN 367	Study Abroad in German Literature	

GERMAN 368	Study Abroad in German Culture
GERMAN 369	Study Abroad in German Linguistics
GERMAN 372	Topics in German Culture
GERMAN 385	Honors Seminar in German Literature
GERMAN 411	Kultur des 20. und 21. Jahrhunderts
GERMAN 612	German Literary Movements Since 1750
GERMAN 625	Letterkunde der Lage Landen
GERMAN 645	Cultuurkunde der Lage Landen
GERMAN 650	History of the German Language
GERMAN/ MEDIEVAL 651	Introduction to Middle High German
GERMAN 681	Senior Honors Thesis-First Semester
GERMAN 682	Senior Honors Thesis-Second Semester
GERMAN 683	Senior Honors Seminar in German Literature
GERMAN 698	Directed Study
GERMAN 699	Directed Study
Total Credits	**27**

COGNATE COURSES AS ELECTIVES

Up to 9 cognate course credits may count as electives within the German major. These are courses with German-related subject matter that are taught in English, either in the German program or in other departments. Cognate courses taken in the German program may be at the Elementary, Intermediate, or Advanced levels; those taken in other departments must be at the Advanced level only. Any questions about which courses may be counted as cognate courses may be directed to the undergraduate advisor. Currently the cognate list includes:

Code	Title	Credits
GERMAN 236	Bascom Course	
GERMAN 245	Topics in Dutch Life and Culture	
GERMAN 264	Culture in 20th Century Berlin	
GERMAN 266	Topics in German and/or Yiddish Culture	
GERMAN 267	Yiddish Song and the Jewish Experience	
GERMAN/ JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	
GERMAN 272	Nazi Culture	
GERMAN 275	Kafka and the Kafkaesque	
GERMAN/ LITTRANS 276	Special Topics in German and World Literature/s	
GERMAN 278	Topics in German Culture	
GERMAN/ JEWISH/ LITTRANS 279	Yiddish Literature and Culture in America	
GERMAN/ LITTRANS 280	From Grimm to Gryffindor: German Fairytales (Re)imagined	
GERMAN 325	Topics in Dutch Literature	
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century	
GERMAN 560	Topics in German Studies	
GERMAN 625	Letterkunde der Lage Landen	
GERMAN 645	Cultuurkunde der Lage Landen	
GERMAN/ MEDIEVAL 651	Introduction to Middle High German	
GEN&WS/ LITTRANS 270	German Women Writers in Translation	
GNS 375	Philosophy, Theory, Criticism	
HISTORY/ JEWISH 310	The Holocaust	
HISTORY/ ENVIR ST 328	Environmental History of Europe	
HISTORY 359	History of Europe Since 1945	
HISTORY 410	History of Germany, 1871 to the Present	
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust	
JEWISH/ ENGL 539	Jewish Literatures in Diaspora	
RELIG ST 406	The Amish	

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all GERMAN courses and all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [2]
- 15 credits in GERMAN, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the German undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all Advanced-level GERMAN courses
- Complete 29 total Advanced-level credits in German, 20 of which must be taken for Honors, to include:

Code	Title	Credits
GERMAN 337	Advanced Composition & Conversation (for honors credit)	3
GERMAN 676	Advanced Seminar in German Studies (for honors credit)	3
GERMAN 681 & GERMAN 682	Senior Honors Thesis-First Semester and Senior Honors Thesis-Second Semester	6

FOOTNOTES

[1] At least 3 of these credits must be taken on the UW–Madison campus (not through Study Abroad).

[2] GERMAN courses numbered 300-699 are upper-level in the major, except: GERMAN 311, GERMAN 312, GERMAN 313, GERMAN 314, GERMAN 325, GERMAN 377, GERMAN 378, GERMAN 379, GERMAN 391, GERMAN 392, GERMAN 401, GERMAN 402, GERMAN 403, GERMAN 404, and any Dutch topic course.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate communication skills in German and integrate these skills to effectively exchange and evaluate ideas in written and spoken German. Recognize, interpret, and apply structural, pragmatic, sociolinguistic, and stylistic features of written and spoken German and how they the influence meaning, in order to share information and persuade, inform, or narrate for different audiences.
2. Interpret and comprehend written, visual, and auditory texts in German representing a broad spectrum of genres, topics, time periods, and geographical regions. Recognize social, cultural, and linguistic diversity in spoken and written language. Identify key idea, features, or themes of texts in a variety of genres and forms.
3. Recognize and explain products, practices, and perspectives of the German-speaking world and the cultural, historical, social, and political context in which they were created. Demonstrate awareness of similarities, differences, and diversity by contrasting culturally situated beliefs and behaviors of the German-speaking world with those found in their own culture. Develop breadth and depth of cross-cultural knowledge and competence.
4. Formulate ideas, plan, and conduct research on themes related to course topics and students' particular interests. Collect and select relevant and credible sources in German (critical thinking and research). Formulate argumentative claims and support those claims using appropriate examples. Evaluate the strengths and weaknesses of different ideas.
5. Apply principles of ethical and professional conduct in each course and at all levels of instruction, thereby upholding the core values of academic integrity (personal responsibility and accountability).
6. Engage with the German language and its users in and beyond the classroom, e.g. in their own community, virtual communities, or through immersion experiences at home or abroad in order to participate in local and global multilingual communities (engagement in the community).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Students considering a major in German should consult with the undergraduate advisor for German early to discuss how to complete their degree in four academic years.

Freshman

Fall	Credits	Spring	Credits
GERMAN 101	4	GERMAN 102	4
Communication A	3	GERMAN/JEWISH/ LITTRANS 279 (meets Ethnic Studies Requirement)	3
Quantitative Reasoning A	3	Biological Science Breadth	3
Social Science Breadth	4	Social Science Breadth	4
	14		**14**

Sophomore

Fall	Credits	Spring	Credits
GERMAN 203	4	GERMAN 204	4
GERMAN 236	3	GERMAN 275	3
Quantitative Reasoning B	3-4	GERMAN 267 (enroll in Communication B Section)	4
INTER-LS 210	1	Social Science Breadth	4
Elective	4		
	15		**15**

Junior

Fall	Credits	Spring	Credits
GERMAN 249	3	GERMAN 337	3-4
GERMAN 258	3	300+ Level GERMAN Elective	3
GERMAN 262	3	Science Breadth	3
Physical Science Breadth	3	Electives	7
Elective	4		
	16		**16**

Senior

Fall	Credits	Spring	Credits
300+ Level GERMAN Elective	3	GERMAN 676	3
300+ Level GERMAN Elective	3	300+ Level GERMAN Elective	3
Science Breadth	3	Electives	9
Electives	6		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

For advising questions related to the German major, contact Joanna Schuth (jschuth@wisc.edu).

Language placement tests are advised for any student with previous knowledge or experience with German or Dutch. The German test is proctored through the University Placement Test program (https://exams.wisc.edu/placement/uw-madison-students.php). The Placement Advisor for German is Jeanne Schueller.

The placement test for Dutch is a one-on-one appointment with a professor, with written, oral, and reading comprehension components. The Placement Advisor for Dutch is Jolanda Vanderwal Taylor. Please contact Joanna Schuth to request placement.

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu) (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GERMAN, BS

The German program affords students the opportunity to begin or continue their study of German and/or Dutch.

GERMAN

Knowledge of German provides access to a culture that for more than a millennium has been central to the history, economy, arts, and sciences not just of Europe but of Western civilization as a whole. In the contemporary world, German-speaking countries have Europe's strongest economies and are playing an increasingly important role in world affairs. More Americans claim German ethnicity than any other, and German-speaking immigrants and their descendants have had an enduring impact on the history and culture of the United States. UW–Madison has been a leader in the field of German studies for more than a century. The university's libraries are remarkable for the depth and breadth of their German-language holdings.

DUTCH

Knowledge of Dutch provides access to a culture that has been an important force in world history since the Middle Ages. The language of more than 20 million inhabitants of the Netherlands and Flanders (Dutch-speaking Belgium), Dutch is also spoken in Suriname and the Netherlands Antilles. It is also an important second language in Indonesia. As major economic powers, Belgium and the Netherlands play a leading role in shaping the European Union. World-class research in the sciences and humanities is conducted at Dutch and Belgian universities, and both countries can boast of a cultural life in which art, music, and theater are all flourishing.

STUDY ABROAD

The German program works closely with International Academic Programs (http://www.studyabroad.wisc.edu/) to provide a range of opportunities for study in Germany and the Netherlands. The program also cooperates with the School of Business, which maintains study abroad programs in Germany and Austria open to all qualified undergraduates, not just business majors. Finally, the College of Engineering and the College of Agriculture and Life Sciences offer study abroad programs in Germany for qualified students in these colleges.

OTHER OPPORTUNITIES FOR GERMAN STUDENTS

UW–Madison students interested in international internships should visit the website of the International Internship Program (http://internships.international.wisc.edu/).

The German-language learning community, Stockwerk Deutsch (https://www.housing.wisc.edu/undergraduate/communities/international/language-communities/), is located in Kronshage Residence Hall, one of the Lakeshore residence halls. Undergraduate students live and speak German together with a resident native speaker of German.

Other regular student activities include film screenings and lectures as well as informal, conversation-oriented Kaffeestunde, Stammtisch, Dutch Table, and the German Club.

OFFERINGS IN DUTCH STUDIES

Course offerings in Dutch include five semesters of language instruction as well as courses in the literature and culture of the Low Countries. Courses in Dutch language satisfy the L&S Language requirement, while

courses in Dutch literature and culture carry literature and humanities credits, respectively. Dutch literature is also offered under Literature in Translation.

A major in Dutch studies is not yet established at UW–Madison, but interested students are encouraged to pursue an individual major in the field. In addition to the study of language, literature, and culture, this could entail coursework in art history, geography, history, sociology, and so on. Courses taken in the study abroad program in Utrecht (https://studyabroad.wisc.edu/programsearch/) can also be applied to an individual major in Dutch studies.

HOW TO GET IN

HOW TO GET IN

DECLARING THE MAJOR

Students who have completed the prerequisite coursework may declare the German major at any time by consulting with the German program's undergraduate advisor.

Students declared in the German certificate may not be declared in the German major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

Prerequisites for the Major in German

A total of 9 credits of language coursework at the third-year (post-204, "2xx") level is required for the German major. Third-year German language courses (GERMAN 249, GERMAN 258, GERMAN 262, GERMAN 285) are not sequenced; they may be taken in any order and/or simultaneously.

Complete one of the following two groups of prerequisite courses:

Code	Title	Credits
Group 1:		
GERMAN 249 & GERMAN 258 & GERMAN 262	Intermediate German - Speaking and Listening and Intermediate German-Reading and Intermediate German-Writing	9
Group 2:		
GERMAN 249 & GERMAN 285	Intermediate German - Speaking and Listening and Intermediate Intensive (Honors) German: Language, Culture, Texts	9

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

27 credits in the major, as follows:

Code	Title	Credits
Required Courses		**6**
GERMAN 337	Advanced Composition & Conversation	
GERMAN 676	Advanced Seminar in German Studies [1]	
Electives [1]		**21**
GERMAN 305	Literatur des 20. und 21. Jahrhunderts	
GERMAN 351	Introduction to German Linguistics	
GERMAN 352	Topics in German Linguistics	
GERMAN 362	Topics in German Literature	
GERMAN 367	Study Abroad in German Literature	
GERMAN 368	Study Abroad in German Culture	
GERMAN 369	Study Abroad in German Linguistics	
GERMAN 372	Topics in German Culture	
GERMAN 385	Honors Seminar in German Literature	
GERMAN 411	Kultur des 20. und 21. Jahrhunderts	
GERMAN 612	German Literary Movements Since 1750	
GERMAN 625	Letterkunde der Lage Landen	
GERMAN 645	Cultuurkunde der Lage Landen	
GERMAN 650	History of the German Language	
GERMAN/ MEDIEVAL 651	Introduction to Middle High German	
GERMAN 681	Senior Honors Thesis-First Semester	
GERMAN 682	Senior Honors Thesis-Second Semester	
GERMAN 683	Senior Honors Seminar in German Literature	
GERMAN 698	Directed Study	
GERMAN 699	Directed Study	
Total Credits		**27**

COGNATE COURSES AS ELECTIVES

Up to 9 cognate course credits may count as electives within the German major. These are courses with German-related subject matter that are taught in English, either in the German program or in other departments. Cognate courses taken in the German program may be at the Elementary, Intermediate, or Advanced levels; those taken in other departments must be at the Advanced level only. Any questions about which courses may be counted as cognate courses may be directed to the undergraduate advisor. Currently the cognate list includes:

Code	Title	Credits
GERMAN 236	Bascom Course	
GERMAN 245	Topics in Dutch Life and Culture	
GERMAN 264	Culture in 20th Century Berlin	
GERMAN 266	Topics in German and/or Yiddish Culture	
GERMAN 267	Yiddish Song and the Jewish Experience	
GERMAN/ JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	
GERMAN 272	Nazi Culture	
GERMAN 275	Kafka and the Kafkaesque	
GERMAN/ LITTRANS 276	Special Topics in German and World Literature/s	
GERMAN 278	Topics in German Culture	
GERMAN/ JEWISH/ LITTRANS 279	Yiddish Literature and Culture in America	
GERMAN/ LITTRANS 280	From Grimm to Gryffindor: German Fairytales (Re)imagined	
GERMAN 325	Topics in Dutch Literature	
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century	
GERMAN 560	Topics in German Studies	
GERMAN 625	Letterkunde der Lage Landen	
GERMAN 645	Cultuurkunde der Lage Landen	
GERMAN/ MEDIEVAL 651	Introduction to Middle High German	
GEN&WS/ LITTRANS 270	German Women Writers in Translation	
GNS 375	Philosophy, Theory, Criticism	
HISTORY/ JEWISH 310	The Holocaust	
HISTORY/ ENVIR ST 328	Environmental History of Europe	
HISTORY 359	History of Europe Since 1945	
HISTORY 410	History of Germany, 1871 to the Present	
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust	
JEWISH/ ENGL 539	Jewish Literatures in Diaspora	
RELIG ST 406	The Amish	

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all GERMAN courses and all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [2]
- 15 credits in GERMAN, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the German undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all Advanced-level GERMAN courses
- Complete 29 total Advanced-level credits in German, 20 of which must be taken for Honors, to include:

Code	Title	Credits
GERMAN 337	Advanced Composition & Conversation (for honors credit)	3
GERMAN 676	Advanced Seminar in German Studies (for honors credit)	3
GERMAN 681 & GERMAN 682	Senior Honors Thesis-First Semester and Senior Honors Thesis-Second Semester	6

FOOTNOTES

[1] At least 3 of these credits must be taken on the UW–Madison campus (not through Study Abroad).

[2] GERMAN courses numbered 300-699 are upper-level in the major, except: GERMAN 311, GERMAN 312, GERMAN 313, GERMAN 314, GERMAN 325, GERMAN 377, GERMAN 378, GERMAN 379, GERMAN 391, GERMAN 392, GERMAN 401, GERMAN 402, GERMAN 403, GERMAN 404, and any Dutch topic course.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate communication skills in German and integrate these skills to effectively exchange and evaluate ideas in written and spoken German. Recognize, interpret, and apply structural, pragmatic, sociolinguistic, and stylistic features of written and spoken German and how they the influence meaning, in order to share information and persuade, inform, or narrate for different audiences.
2. Interpret and comprehend written, visual, and auditory texts in German representing a broad spectrum of genres, topics, time periods, and geographical regions. Recognize social, cultural, and linguistic diversity in spoken and written language. Identify key idea, features, or themes of texts in a variety of genres and forms.
3. Recognize and explain products, practices, and perspectives of the German-speaking world and the cultural, historical, social, and political context in which they were created. Demonstrate awareness of similarities, differences, and diversity by contrasting culturally situated beliefs and behaviors of the German-speaking world with those found in their own culture. Develop breadth and depth of cross-cultural knowledge and competence.
4. Formulate ideas, plan, and conduct research on themes related to course topics and students’ particular interests. Collect and select relevant and credible sources in German (critical thinking and research). Formulate argumentative claims and support those claims using appropriate examples. Evaluate the strengths and weaknesses of different ideas.
5. Apply principles of ethical and professional conduct in each course and at all levels of instruction, thereby upholding the core values of academic integrity (personal responsibility and accountability).
6. Engage with the German language and its users in and beyond the classroom, e.g. in their own community, virtual communities, or through immersion experiences at home or abroad in order to participate in local and global multilingual communities (engagement in the community).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Students considering a major in German should consult with the undergraduate advisor for German early to discuss how to complete their degree in four academic years.

Freshman

Fall	Credits	Spring	Credits
GERMAN 101	4	GERMAN 102	4
Communication A	3	GERMAN/JEWISH/ LITTRANS 279 (meets Ethnic Studies Requirement)	3
Quantitative Reasoning A	3	Biological Science Breadth	3
Social Science Breadth	4	Social Science Breadth	4
	14		**14**

Sophomore

Fall	Credits	Spring	Credits
GERMAN 203	4	GERMAN 204	4
GERMAN 236	3	GERMAN 275	3
Quantitative Reasoning B	3-4	GERMAN 267 (enroll in Communication B Section)	4
INTER-LS 210	1	Social Science Breadth	4
Elective	4		
	15		**15**

Junior

Fall	Credits	Spring	Credits
GERMAN 249	3	GERMAN 337	3-4
GERMAN 258	3	300+ Level GERMAN Elective	3
GERMAN 262	3	Science Breadth	3
Physical Science Breadth	3	Electives	7
Elective	4		
	16		**16**

Senior

Fall	Credits	Spring	Credits
300+ Level GERMAN Elective	3	GERMAN 676	3
300+ Level GERMAN Elective	3	300+ Level GERMAN Elective	3
Science Breadth	3	Electives	9
Electives	6		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

For advising questions related to the German major, contact Joanna Schuth (jschuth@wisc.edu).

Language placement tests are advised for any student with previous knowledge or experience with German or Dutch. The German test is proctored through the University Placement Test program (https://exams.wisc.edu/placement/uw-madison-students.php). The Placement Advisor for German is Jeanne Schueller.

The placement test for Dutch is a one-on-one appointment with a professor, with written, oral, and reading comprehension components. The Placement Advisor for Dutch is Jolanda Vanderwal Taylor. Please contact Joanna Schuth to request placement.

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu) (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GERMAN, CERTIFICATE

The Certificate in German, the first language certificate offered at UW–Madison, offers students the opportunity to develop proficiency in the language by requiring that all courses taken to fulfill it must be at the intermediate and advanced levels and taught in German. It complements major(s) in other subjects across the university and strengthens the applications of students who intend to pursue careers or graduate study in areas where knowledge of German is useful. The Certificate in German is open to all undergraduate students and University Special students who may already have earned degrees.

HOW TO GET IN

HOW TO GET IN

To declare the Certificate in German, email or make an appointment with the undergraduate advisor for the program.

Students declared in the German major are not eligible to declare the Certificate in German.

REQUIREMENTS

REQUIREMENTS

The certificate requires 15 total credits, 9 credits in Intermediate German and 6 credits in Advanced German courses.

INTERMEDIATE GERMAN

Complete one of the following sequences:

Code	Title	Credits
GERMAN 249 & GERMAN 258 & GERMAN 262	Intermediate German - Speaking and Listening and Intermediate German-Reading and Intermediate German-Writing	9
GERMAN 249 & GERMAN 285	Intermediate German - Speaking and Listening and Intermediate Intensive (Honors) German: Language, Culture, Texts	9

ADVANCED GERMAN

Complete at least two courses:

Code	Title	Credits
GERMAN 305	Literatur des 20. und 21. Jahrhunderts	3-4
GERMAN 337	Advanced Composition & Conversation	3-4
GERMAN 351	Introduction to German Linguistics	3-4
GERMAN 352	Topics in German Linguistics	3-4
GERMAN 362	Topics in German Literature	3-4
GERMAN 367	Study Abroad in German Literature	2-5
GERMAN 368	Study Abroad in German Culture	2-5
GERMAN 369	Study Abroad in German Linguistics	2-5
GERMAN 372	Topics in German Culture	3-4
GERMAN 385	Honors Seminar in German Literature	3
GERMAN 411	Kultur des 20. und 21. Jahrhunderts	3-4

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all courses eligible for the certificate
- At least 8 certificate credits must be completed in residence

Pass/fail courses do not apply to the certificate.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. to promote German proficiency in all major skill areas: speaking, listening, reading, and writing.
2. to foster a deeper understanding of the cultures of the German-speaking world through courses taught in German.

ADVISING AND CAREERS

ADVISING AND CAREERS

For advising questions or to declare the German certificate, contact Joanna Schuth (jschuth@wisc.edu). (mllouden@wisc.edu)

Students declared in the German major are not eligible to declare the Certificate in German.

Language placement tests are advised for any student with previous knowledge or experience with German. The German test is proctored through the University Placement Test program (https://exams.wisc.edu/placement/uw-madison-students.php).

Any questions regarding placement in German may be directed to the undergraduate placement advisor Jeanne M. Schueller (jmschuel@wisc.edu).

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
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LANGUAGES AND CULTURES OF NORTHERN EUROPE, CERTIFICATE

The Languages and Cultures of Northern Europe certificate offers an opportunity to study the many diverse linguistic, cultural, and religious communities that have become part of Northern Europe as a result of international migration and pan-European economic integration. Students earning the certificate have maximum flexibility of choice in the culture they wish to study in depth, or if they want to take a comparative approach over the region. The certificate maps intellectually a complex and fascinating region of contemporary Europe — one which is marked not only by longstanding national cultures but also by an increasingly diverse and mobile populace.

If students wish, students may include language study in Dutch, Swedish, Norwegian, Danish, Finnish, or Yiddish as part of their course choices.

HOW TO GET IN

HOW TO GET IN

Students should contact the undergraduate advisor by email or make an appointment to declare the certificate.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of five courses and 18 credits. The courses must be distributed as follows:

Code	Title	Credits
Colonialism, Diversity, Indigeneity, Migration [1]		**3**
Complete at least one course and three credits:		
FOLKLORE/ SCAND ST 440	Scandinavian American Folklore	
SCAND ST 439	Nordic Filmmakers	
GERMAN/ JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen	
or SCAND ST 43	The Art of Isak Dinesen/Karen Blixen	
SCAND ST 348	The Second World War in Nordic Culture	
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	
Language, Literature, and Culture		**15**
Complete at least four courses and 15 credits from the list:		
FOLKLORE 317	The Irish Tradition	
FOLKLORE/ MEDIEVAL/ SCAND ST 446	Celtic-Scandinavian Cultural Interrelations	
GERMAN 111	First Semester Dutch	
GERMAN 112	Second Semester Dutch	
GERMAN 213	Third Semester Dutch	
GERMAN 214	Fourth Semester Dutch	
GERMAN 245	Topics in Dutch Life and Culture	
GERMAN/ JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	
GERMAN 325	Topics in Dutch Literature	
or LITTRANS 32	Topics in Dutch Literature in Translation	
GERMAN 377	Study Abroad in Dutch Literature	
GERMAN 378	Study Abroad in Dutch Culture	
GERMAN 379	Study Abroad in Dutch Linguistics	
GERMAN 625	Letterkunde der Lage Landen	
GERMAN 645	Cultuurkunde der Lage Landen	
GNS/ FOLKLORE 200	Folklore of Central, Eastern and Northern Europe	
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	
JEWISH/GNS 105	First Semester Yiddish	
LITTRANS/ GERMAN/ JEWISH 269	Yiddish Literature and Culture in Europe	
LITTRANS 271	In Translation:Masterpieces of Scandinavian Literature, Middle Ages-1900	
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century	
or SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen	
LITTRANS 324	Topics in Scandinavian Literature	
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen	
or SCAND ST 43	The Art of Isak Dinesen/Karen Blixen	
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	
or SCAND ST 427	The Drama of Henrik Ibsen	
LITTRANS/ THEATRE 336	In Translation: The Drama of August Strindberg	
LITTRANS 337	In Translation: 19th Century Scandinavian Fiction	
LITTRANS/ FOLKLORE/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	
LITTRANS/ FOLKLORE 347	In Translation: Kalevala and Finnish Folk-Lore	
or SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	
LITTRANS 350	Scandinavian Decadence in its European Context	
LITTRANS/ SCAND ST 428	Memory and Literature from Proust to Knausgard	
LITTRANS/ SCAND ST 435	The Sagas of Icelanders in English Translation	
LITTRANS/ GEN&WS/ SCAND ST 438	Sexual Politics in Scandinavia	
SCAND ST 102	Second Semester Norwegian	
SCAND ST 101	First Semester Norwegian	
SCAND ST 111	First Semester Swedish	
SCAND ST 112	Second Semester Swedish	
SCAND ST 121	First Semester Danish	
SCAND ST 122	Second Semester Danish	
SCAND ST 131	First Semester Finnish	
SCAND ST 132	Second Semester Finnish	
SCAND ST 201	Second Year Norwegian	
SCAND ST 202	Second Year Norwegian	
SCAND ST 211	Second Year Swedish	
SCAND ST 212	Second Year Swedish	
SCAND ST 221	Second Year Danish	
SCAND ST 222	Second Year Danish	
SCAND ST/ FOLKLORE/ MEDIEVAL 235	The World of Sagas	
SCAND ST 250	Introduction to Scandinavia	

SCAND ST 251	Readings in Norwegian Literature
SCAND ST 261	Readings in Swedish Literature
SCAND ST 271	Readings in Danish Literature
SCAND ST 276	Culture & Community in Scandinavia
SCAND ST 355	Autobiography
SCAND ST 401	Contemporary Scandinavian Languages
SCAND ST 421	Advanced Topics in Nordic Studies
SCAND ST 426	Kierkegaard and Scandinavian Literature
SCAND ST/ MEDIEVAL 430	The Vikings
SCAND ST 450	Scandinavian Decadence in its European Context
Total Credits	**18**

[1] Courses in the Colonialism, Diversity, Indigeneity, and Migration list may each only count once for the certificate.

RESIDENCE AND QUALITY OF WORK

- At least 9 certificate credits must be completed in residence
- Minimum 2.000 GPA on all certificate courses.
- Courses taken pass/fail may not apply to the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and understand language, literary, and/or cultural phenomena as they pertain to Northern Europe and put them into context.
2. Recognize shifting geographic, cultural, ethnic/racial, and/or language factors in the Northern European region over time.
3. Demonstrate an understanding of major approaches, concepts and current research findings concerning the Northern European region.
4. Synthesize information, engage in discussion and research, and argue persuasively about key topics in the Northern European region.
5. Identify and distinguish between different types of sources used in the study of the Northern European region.
6. Integrate learned ideas and perspectives with broader social, cultural, and/or environmental contexts.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students should contact the undergraduate advisor, Joanna Schuth (jschuth@wisc.edu), to declare the certificate.

Students who transfer to UW—Madison with previous language experience should contact the undergraduate advisor as early as possible to schedule a placement test.

Students should see the advisor during the semester before their last semester. Prospective students are urged to consult the undergraduate advisor about the program at the first possible opportunity.

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

POLISH, BA

Polish is the most commonly spoken Slavic language of the European Union and the second largest Slavic language in the world, with over 50 million users across the globe. Poland has a unique and vibrant culture shaped by a millennium of artistic and intellectual innovation and struggles for political, social, and cultural independence. The country survived two world wars and half a century of communist rule to emerge as a regional leader in East-Central Europe, the fastest-growing economy in the European Union, and home to one of the most dynamic cultural scenes in the world. It is also a key NATO and U.S. ally in Europe. Polish diaspora is among the world's largest, with major concentrations in the United States, Canada, the United Kingdom, Germany, and France.

The Polish major offers courses in the Polish language, literature, culture, politics, and one of the most intricate, fascinating histories in Europe, providing the knowledge and skills for successful careers in business,

politics, diplomacy, arts, translation, international law, environmental science, journalism, national security, tourism, and cultural services.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Polish major requires study of the Polish language, Polish literature in translation, Polish literature in the original language, as well as culture and area studies, as detailed below:

Code	Title	Credits
Polish Language (complete two courses):		**6**
SLAVIC 277	Third Year Polish I	
SLAVIC 278	Third Year Polish II	
Polish Literature and Culture (complete both):		
SLAVIC/ LITTRANS 215	Love and Death: Introduction to Polish Literature & Culture	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
Additional Course in Polish Language or Literature/ Culture (complete one):		**3**
SLAVIC 331	Fourth Year Polish I	
SLAVIC 332	Fourth Year Polish II	
SLAVIC 231	History and Ethics on Film: Polish Cinema [1]	
SLAVIC/ LITTRANS 259	Adventure in Literature and Film	
Polish Literature and Culture Area Studies from:		**6**
SLAVIC 231	History and Ethics on Film: Polish Cinema [1]	
SLAVIC 242	Literatures and Cultures of Eastern Europe	
SLAVIC 246	Escaping Utopia: Cultures after Communism	
SLAVIC 245	Topics in Slavic Literatures	
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey	
SLAVIC 285	Slavic Culture in Context: An Honors Course	
SLAVIC 299	Directed Study	
SLAVIC 307	Study Abroad in Poland	
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	
SLAVIC 470	History of Polish Literature until 1863	
SLAVIC 472	History of Polish Literature after 1863	
HISTORY 270	Eastern Europe since 1900	
LITTRANS 207	Slavic Science Fiction through Literature and Film	
LITTRANS 218	Polish Literature in Translation: Late 19th and 20th Centuries	
LITTRANS 229	Representation of the Jew in Eastern European Cultures	
LITTRANS 241	Literatures and Cultures of Eastern Europe	
LITTRANS 247	Topics in Slavic Literatures in Translation	
LITTRANS/ SLAVIC 357	Intermediate Special Topics in Slavic Languages and Literatures	
LITTRANS/ SLAVIC 467	Advanced Special Topics in Slavic Languages and Literatures	
LITTRANS 473	Polish Literature (in Translation) since 1863	
POLI SCI 340	The European Union: Politics and Political Economy	
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	
Total Credits		**21**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence
- 15 credits in the major taken on the UW–Madison campus

Upper-Level Courses in the Major:

Code	Title	Credits
SLAVIC 277	Third Year Polish I	3
SLAVIC 278	Third Year Polish II	3
SLAVIC 307	Study Abroad in Poland	1-4
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	1-4
SLAVIC 331	Fourth Year Polish I	3
SLAVIC 332	Fourth Year Polish II	3
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	3
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	3
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	3-4

HONORS IN THE MAJOR

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all SLAVIC courses and all courses counting in the major
- Complete a two-semester Senior Honors Thesis in SLAVIC 681 and SLAVIC 682, for a total of 6 credits
- 9 credits from the following list:

Code	Title	Credits
SLAVIC 277	Third Year Polish I	3
SLAVIC 278	Third Year Polish II	3

SLAVIC 331	Fourth Year Polish I	3
SLAVIC 332	Fourth Year Polish II	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	3
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	3

FOOTNOTES

[1] SLAVIC 231 may only count within one requirement for the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Polish language proficiency) Develop speaking, listening, writing, and reading skills and integrate these skills to communicate in Polish in a variety of social situations.
2. Develop and apply writing skills and oral communication skills appropriate to liberal arts education in the context of Slavic studies.
3. Develop and apply critical thinking skills inherent in the liberal arts tradition in the context of Slavic studies.
4. Analyze and interpret works of literature in themselves and in the context of specific historical and cultural conditions.
5. Demonstrate insight into Polish culture and civilization and apply this knowledge across disciplines such as history, political science, the arts, geography, business, economics, sociology, the sciences, gender studies, philosophy, law, folklore.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
SLAVIC 111	4	SLAVIC 112	4
Communication A	3	GERMAN 267	3-4
Quantitative Reasoning A	3-4	Social Science Breadth	4
Social Science Breadth	4	Biological Science Breadth	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
SLAVIC 207	4	SLAVIC 208	4
GNS/FOLKLORE 200 (Comm B)	3	SLAVIC/GEOG/ HISTORY/POLI SCI 254	4
Physical Science Breadth	3	INTER-LS 210	1
Quantitative Reasoning B	3	Social Science Breadth	4
Elective	3	Elective	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
SLAVIC 277	3	SLAVIC 278	3
SLAVIC/LITTRANS 215	3	SLAVIC/LITTRANS 361	3
Science Breadth	3	Polish Area Studies Course	3
Electives	6	Science Breadth	3
		Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
SLAVIC 331	3	SLAVIC 332	3
Polish Area Studies course	3	Polish Area Studies course	3
Electives	9	Electives	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the German, Nordic, and Slavic+ website (https://gns.wisc.edu/undergraduate_majors/).

Any student with previous experience with the Polish language is required to take a placement test. These tests may admit a student to a more advanced course, but give no credit toward graduation. However, retroactive credits can be granted in recognition of previous language study. L&S Retro Credit Policy (https://kb.wisc.edu/ls/page.php?id=23736). The Placement Advisor for Polish is Krzysztof Borowski. Please contact the undergraduate advisor to request placement.

For other undergraduate concerns, please contact our undergraduate coordinator Joanna Schuth (jschuth@wisc.edu).

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

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POLISH, BS

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The Polish major offers courses in the Polish language, literature, culture, politics, and one of the most intricate, fascinating histories in Europe, providing the knowledge and skills for successful careers in business, politics, diplomacy, arts, translation, international law, environmental science, journalism, national security, tourism, and cultural services.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Polish major requires study of the Polish language, Polish literature in translation, Polish literature in the original language, as well as culture and area studies, as detailed below:

Code	Title	Credits
Polish Language (complete two courses):		**6**
SLAVIC 277	Third Year Polish I	
SLAVIC 278	Third Year Polish II	
Polish Literature and Culture (complete both):		
SLAVIC/ LITTRANS 215	Love and Death: Introduction to Polish Literature & Culture	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
Additional Course in Polish Language or Literature/ Culture (complete one):		**3**
SLAVIC 331	Fourth Year Polish I	
SLAVIC 332	Fourth Year Polish II	
SLAVIC 231	History and Ethics on Film: Polish Cinema [1]	
SLAVIC/ LITTRANS 259	Adventure in Literature and Film	
Polish Literature and Culture Area Studies from:		**6**
SLAVIC 231	History and Ethics on Film: Polish Cinema [1]	
SLAVIC 242	Literatures and Cultures of Eastern Europe	
SLAVIC 246	Escaping Utopia: Cultures after Communism	
SLAVIC 245	Topics in Slavic Literatures	
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey	
SLAVIC 285	Slavic Culture in Context: An Honors Course	
SLAVIC 299	Directed Study	
SLAVIC 307	Study Abroad in Poland	
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	
SLAVIC 470	History of Polish Literature until 1863	
SLAVIC 472	History of Polish Literature after 1863	
HISTORY 270	Eastern Europe since 1900	
LITTRANS 207	Slavic Science Fiction through Literature and Film	
LITTRANS 218	Polish Literature in Translation: Late 19th and 20th Centuries	
LITTRANS 229	Representation of the Jew in Eastern European Cultures	
LITTRANS 241	Literatures and Cultures of Eastern Europe	
LITTRANS 247	Topics in Slavic Literatures in Translation	
LITTRANS/ SLAVIC 357	Intermediate Special Topics in Slavic Languages and Literatures	
LITTRANS/ SLAVIC 467	Advanced Special Topics in Slavic Languages and Literatures	

LITTRANS 473	Polish Literature (in Translation) since 1863	
POLI SCI 340	The European Union: Politics and Political Economy	
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	
Total Credits		**21**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, in residence
- 15 credits in the major taken on the UW–Madison campus

Upper-Level Courses in the Major:

Code	Title	Credits
SLAVIC 277	Third Year Polish I	3
SLAVIC 278	Third Year Polish II	3
SLAVIC 307	Study Abroad in Poland	1-4
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	1-4
SLAVIC 331	Fourth Year Polish I	3
SLAVIC 332	Fourth Year Polish II	3
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	3
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	3
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	3-4

HONORS IN THE MAJOR

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all SLAVIC courses and all courses counting in the major
- Complete a two-semester Senior Honors Thesis in SLAVIC 681 and SLAVIC 682, for a total of 6 credits
- 9 credits from the following list:

Code	Title	Credits
SLAVIC 277	Third Year Polish I	3
SLAVIC 278	Third Year Polish II	3
SLAVIC 331	Fourth Year Polish I	3
SLAVIC 332	Fourth Year Polish II	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	3
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	3

FOOTNOTES

[1] SLAVIC 231 may only count within one requirement for the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Polish language proficiency) Develop speaking, listening, writing, and reading skills and integrate these skills to communicate in Polish in a variety of social situations.
2. Develop and apply writing skills and oral communication skills appropriate to liberal arts education in the context of Slavic studies.
3. Develop and apply critical thinking skills inherent in the liberal arts tradition in the context of Slavic studies.
4. Analyze and interpret works of literature in themselves and in the context of specific historical and cultural conditions.
5. Demonstrate insight into Polish culture and civilization and apply this knowledge across disciplines such as history, political science, the arts, geography, business, economics, sociology, the sciences, gender studies, philosophy, law, folklore.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning,

including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
SLAVIC 111	4	SLAVIC 112	4
Communication A	3	GERMAN 267	3-4
Quantitative Reasoning A	3-4	Social Science Breadth	4
Social Science Breadth	4	Biological Science Breadth	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
SLAVIC 207	4	SLAVIC 208	4
GNS/FOLKLORE 200 (Comm B)	3	SLAVIC/GEOG/ HISTORY/POLI SCI 254	4
Physical Science Breadth	3	INTER-LS 210	1
Quantitative Reasoning B	3	Social Science Breadth	4
Elective	3	Elective	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
SLAVIC 277	3	SLAVIC 278	3
SLAVIC/LITTRANS 215	3	SLAVIC/LITTRANS 361	3
Science Breadth	3	Polish Area Studies Course	3
Electives	6	Science Breadth	3
		Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
SLAVIC 331	3	SLAVIC 332	3
Polish Area Studies course	3	Polish Area Studies course	3
Electives	9	Electives	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the German, Nordic, and Slavic+ website (https://gns.wisc.edu/undergraduate_majors/).

Any student with previous experience with the Polish language is required to take a placement test. These tests may admit a student to a more advanced course, but give no credit toward graduation. However, retroactive credits can be granted in recognition of previous language study. L&S Retro Credit Policy (https://kb.wisc.edu/ls/page.php?id=23736). The Placement Advisor for Polish is Krzysztof Borowski. Please contact the undergraduate advisor to request placement.

For other undergraduate concerns, please contact our undergraduate coordinator Joanna Schuth (jschuth@wisc.edu).

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RUSSIAN, BA

Russian is designated a critical language by the United States government. Russian is the seventh-most spoken language in the world and is among the six official languages of the United Nations. Russian speakers live not only in Russia, but in Central Asia, the Caucasus, Eastern Europe, including the Baltic states, and in Russian-speaking diasporas in the United States and throughout the world. Because Russian is so widely spoken in many countries throughout the world, it is an in-demand critical language for careers including government service, non-governmental organizations, science and scholarship, and some business sectors.

Students in the Russian major not only learn the Russian language but read Russian literature in both Russian and English and become familiar with Russian film and visual arts, theater and performing arts, and music.

The Russian major is designed to meet the needs of students who begin to study the language in college as well as those who began to study the language in high school or who grew up speaking or hearing Russian at home.

Russian majors are able to speak Russian in everyday and some work situations, read and listen to Russian-language news and media, and write for daily, academic, and some professional purposes. In addition, Russian majors gain an appreciation and a deeper understanding of the variety of places and cultures in which Russian is spoken, and of politics and foreign policy, history, and world-renowned literary and artistic traditions.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Russian Language:		**15**
SLAVIC 275 & SLAVIC 276	Third Year Russian I and Third Year Russian II	
SLAVIC 315	Russian Language and Culture I	
SLAVIC 316	Russian Language and Culture II	
SLAVIC 321	Fourth Year Russian I	
Foundations in Russian Literature Culture (complete three distinct courses):		
Literature Survey (complete one):		*4*
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I	

or LITTRANS 20	Survey of 19th and 20th Century Russian Literature in Translation II	
Literature Culture (complete two):		6
LITTRANS 201	Survey of 19th and 20th Century Russian Literature in Translation I	
or LITTRANS 20	Survey of 19th and 20th Century Russian Literature in Translation I	
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	
or LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II	
LITTRANS 233	Russian Life and Culture Through Literature and Art (to 1917)	
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	
Capstone		
SLAVIC 465	Advanced Readings in Russian Literature & Culture	3
or SLAVIC 560	Capstone Seminar in Russian Literature and Culture	
Electives		
Intermediate or Advanced Elective (complete one):		3
SLAVIC 309	Russian Area Studies on Study Abroad	
SLAVIC 310	Topics in Russian: Study Abroad	
SLAVIC/ LITTRANS 366	Intermediate Special Topics in Russian Literature & Culture	
SLAVIC 433	History of Russian Culture	
SLAVIC 434	Contemporary Russian Culture	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	
SLAVIC 555	Advanced Russian Listening & Speaking	
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	
LITTRANS 220	Chekhov: The Drama of Modern Life	
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	
LITTRANS 222	Dostoevsky in Translation	
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	
LITTRANS 224	Tolstoy in Translation	
LITTRANS/ THEATRE 423	In Translation: Slavic Drama in Context	
Additional Elective (complete one):		3
Any Intermediate or Advanced-level course from the list above, or:		
SLAVIC/ LITTRANS 238	Literature and Revolution	
SLAVIC 239	Performance and Power	
SLAVIC 243	Contemporary Russia: History, Politics, and Culture	
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey	
SLAVIC/ LITTRANS 266	Elementary Special Topics in Russian Literature & Culture	
LITTRANS 207	Slavic Science Fiction through Literature and Film	
Total Credits		**34**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all major courses
- Minimum 2.000 GPA on at least 15 credits of upper-level work in the major, in residence
- At least 15 credits in the major, taken on campus

UPPER-LEVEL COURSES IN THE MAJOR

The following courses are upper-level in the Russian major:

Code	Title	Credits
SLAVIC 275	Third Year Russian I	
SLAVIC 276	Third Year Russian II	
SLAVIC 309	Russian Area Studies on Study Abroad	
SLAVIC 310	Topics in Russian: Study Abroad	
SLAVIC 315	Russian Language and Culture I	
SLAVIC 316	Russian Language and Culture II	
SLAVIC 321	Fourth Year Russian I	
SLAVIC 322	Fourth Year Russian II	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
SLAVIC 465	Advanced Readings in Russian Literature & Culture	
SLAVIC 555	Advanced Russian Listening & Speaking	
SLAVIC 560	Capstone Seminar in Russian Literature and Culture	
SLAVIC 681	Senior Honors Thesis	
SLAVIC 682	Senior Honors Thesis	
SLAVIC 699	Directed Study	
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	
LITTRANS 220	Chekhov: The Drama of Modern Life	
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	
LITTRANS 222	Dostoevsky in Translation	
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	
LITTRANS 224	Tolstoy in Translation	

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Russian advisor.

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all courses in the major
- Complete 18 credits in the major taken for Honors, taken on campus, with grades of B or better in the following:
  - SLAVIC 275, SLAVIC 276, SLAVIC 315, SLAVIC 316, SLAVIC 321 and SLAVIC 465 or SLAVIC 560
- Complete a Senior Thesis in SLAVIC 681 and SLAVIC 682 for at least 6 credits

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Russian language proficiency) Develop speaking, listening, writing, and reading skills and integrate these skills to communicate in Russian in a variety of social situations.
2. Develop and apply writing skills and oral communication skills appropriate to liberal arts education in the context of Slavic studies.
3. Develop and apply critical thinking skills inherent in the liberal arts tradition in the context of Slavic studies.
4. Analyze and interpret works of literature in themselves and in the context of specific historical and cultural conditions.
5. Demonstrate insight into Russian culture and civilization and apply this knowledge across disciplines such as history, political science, the arts, geography, business, economics, sociology, the sciences, gender studies, philosophy, law, folklore.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
SLAVIC 101	4	SLAVIC 102	4
LITTRANS 233 or 234	3	LITTRANS 234	3
Communication A	3	Quantitative Reasoning A	3
Science Breadth	3	Social Science Breadth	3
		Elective	3
	13		**16**

Second Year

Fall	Credits	Spring	Credits
SLAVIC 203	4	SLAVIC 204	4
INTER-LS 210	1	LITTRANS 202 or 204 (204 meets Comm B requirement)	3
LITTRANS 201 or 203 (203 meets Comm B requirement)	3	LITTRANS/GERMAN/ JEWISH 279 (meets Ethnic Studies requirement)	3
Quantitative Reasoning B	3	I/A COMP SCI, MATH, or STAT (if BS)	4
Biological Science Breadth	3		
	14		**14**

Third Year

Fall	Credits	Spring	Credits
SLAVIC 275 (meets Humanities requirement)	3	SLAVIC 276 (meets Humanities requirement)	3
SLAVIC 315	3	SLAVIC 316	3
Physical Science Breadth	3	Science Breadth	3
Electives	5	Social Science Breadth	3
		Electives	6
	14		**18**

Fourth Year

Fall	Credits	Spring	Credits
SLAVIC 321	3	Russian Capstone	3
Russian Elective	3	Russian Elective	3
Social Science Breadth	3	Social Science Breadth	3
Electives	7	Electives	6
	16		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the German, Nordic, and Slavic+ website (https://gns.wisc.edu/undergraduate_majors/).

Any student with previous experience with the Polish language is required to take a placement test. These tests may admit a student to a more advanced course, but give no credit toward graduation. However, retroactive credits can be granted in recognition of previous language study (L&S Retro Credit Policy (https://kb.wisc.edu/ls/page.php?id=23736)). The Placement Advisor for Russian is Anna Tumarkin. Please contact the undergraduate advisor to request placement.

Students might also want to consider the Russian Flagship Program, a federally funded intensive language-learning program open to students of all majors. The Flagship Program is a separate application and students can complete it in addition to the Russian major or may complete it alongside another major entirely.

For other undergraduate concerns, please contact our undergraduate coordinator Joanna Schuth (jschuth@wisc.edu (undergrad@gns.wisc.edu)).

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RUSSIAN, BS

Russian is designated a critical language by the United States government. Russian is the seventh-most spoken language in the world and is among the six official languages of the United Nations. Russian speakers live not only in Russia, but in Central Asia, the Caucasus, Eastern Europe, including the Baltic states, and in Russian-speaking diasporas in the United States and throughout the world. Because Russian is so widely spoken in many countries throughout the world, it is an in-demand critical language for careers including government service, non-governmental organizations, science and scholarship, and some business sectors.

Students in the Russian major not only learn the Russian language but read Russian literature in both Russian and English and become familiar with Russian film and visual arts, theater and performing arts, and music.

The Russian major is designed to meet the needs of students who begin to study the language in college as well as those who began to study the language in high school or who grew up speaking or hearing Russian at home.

Russian majors are able to speak Russian in everyday and some work situations, read and listen to Russian-language news and media, and write for daily, academic, and some professional purposes. In addition, Russian majors gain an appreciation and a deeper understanding of the variety of places and cultures in which Russian is spoken, and of politics and foreign policy, history, and world-renowned literary and artistic traditions.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Russian Language:		**15**
SLAVIC 275 & SLAVIC 276	Third Year Russian I and Third Year Russian II	
SLAVIC 315	Russian Language and Culture I	
SLAVIC 316	Russian Language and Culture II	
SLAVIC 321	Fourth Year Russian I	
Foundations in Russian Literature Culture (complete three distinct courses):		
Literature Survey (complete one):		*4*
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I	
or LITTRANS 20	Survey of 19th and 20th Century Russian Literature in Translation II	
Literature Culture (complete two):		*6*
LITTRANS 201	Survey of 19th and 20th Century Russian Literature in Translation I	
or LITTRANS 20	Survey of 19th and 20th Century Russian Literature in Translation I	
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	
or LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II	
LITTRANS 233	Russian Life and Culture Through Literature and Art (to 1917)	
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	
Capstone		
SLAVIC 465	Advanced Readings in Russian Literature & Culture	3
or SLAVIC 560	Capstone Seminar in Russian Literature and Culture	
Electives		
Intermediate or Advanced Elective (complete one):		*3*
SLAVIC 309	Russian Area Studies on Study Abroad	
SLAVIC 310	Topics in Russian: Study Abroad	
SLAVIC/ LITTRANS 366	Intermediate Special Topics in Russian Literature & Culture	
SLAVIC 433	History of Russian Culture	
SLAVIC 434	Contemporary Russian Culture	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	
SLAVIC 555	Advanced Russian Listening & Speaking	

LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	
LITTRANS 220	Chekhov: The Drama of Modern Life	
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	
LITTRANS 222	Dostoevsky in Translation	
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	
LITTRANS 224	Tolstoy in Translation	
LITTRANS/ THEATRE 423	In Translation: Slavic Drama in Context	
Additional Elective (complete one):		*3*
Any Intermediate or Advanced-level course from the list above, or:		
SLAVIC/ LITTRANS 238	Literature and Revolution	
SLAVIC 239	Performance and Power	
SLAVIC 243	Contemporary Russia: History, Politics, and Culture	
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey	
SLAVIC/ LITTRANS 266	Elementary Special Topics in Russian Literature & Culture	
LITTRANS 207	Slavic Science Fiction through Literature and Film	
Total Credits		**34**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all major courses
- Minimum 2.000 GPA on at least 15 credits of upper-level work in the major, in residence
- At least 15 credits in the major, taken on campus

UPPER-LEVEL COURSES IN THE MAJOR

The following courses are upper-level in the Russian major:

Code	Title	Credits
SLAVIC 275	Third Year Russian I	
SLAVIC 276	Third Year Russian II	
SLAVIC 309	Russian Area Studies on Study Abroad	
SLAVIC 310	Topics in Russian: Study Abroad	
SLAVIC 315	Russian Language and Culture I	
SLAVIC 316	Russian Language and Culture II	
SLAVIC 321	Fourth Year Russian I	
SLAVIC 322	Fourth Year Russian II	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	
SLAVIC 465	Advanced Readings in Russian Literature & Culture	
SLAVIC 555	Advanced Russian Listening & Speaking	
SLAVIC 560	Capstone Seminar in Russian Literature and Culture	
SLAVIC 681	Senior Honors Thesis	
SLAVIC 682	Senior Honors Thesis	
SLAVIC 699	Directed Study	
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	
LITTRANS 220	Chekhov: The Drama of Modern Life	
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	
LITTRANS 222	Dostoevsky in Translation	
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	
LITTRANS 224	Tolstoy in Translation	

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Russian advisor.

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in all courses in the major
- Complete 18 credits in the major taken for Honors, taken on campus, with grades of B or better in the following:
  - SLAVIC 275, SLAVIC 276, SLAVIC 315, SLAVIC 316, SLAVIC 321 and SLAVIC 465 or SLAVIC 560
- Complete a Senior Thesis in SLAVIC 681 and SLAVIC 682 for at least 6 credits

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Russian language proficiency) Develop speaking, listening, writing, and reading skills and integrate these skills to communicate in Russian in a variety of social situations.
2. Develop and apply writing skills and oral communication skills appropriate to liberal arts education in the context of Slavic studies.
3. Develop and apply critical thinking skills inherent in the liberal arts tradition in the context of Slavic studies.
4. Analyze and interpret works of literature in themselves and in the context of specific historical and cultural conditions.
5. Demonstrate insight into Russian culture and civilization and apply this knowledge across disciplines such as history, political science, the arts, geography, business, economics, sociology, the sciences, gender studies, philosophy, law, folklore.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
SLAVIC 101	4	SLAVIC 102	4
LITTRANS 233 or 234	3	LITTRANS 234	3
Communication A	3	Quantitative Reasoning A	3
Science Breadth	3	Social Science Breadth	3
		Elective	3
	13		**16**

Second Year

Fall	Credits	Spring	Credits
SLAVIC 203	4	SLAVIC 204	4
INTER-LS 210	1	LITTRANS 202 or 204 (204 meets Comm B requirement)	3
LITTRANS 201 or 203 (203 meets Comm B requirement)	3	LITTRANS/GERMAN/ JEWISH 279 (meets Ethnic Studies requirement)	3
Quantitative Reasoning B	3	I/A COMP SCI, MATH, or STAT (if BS)	4
Biological Science Breadth	3		
	14		**14**

Third Year

Fall	Credits	Spring	Credits
SLAVIC 275 (meets Humanities requirement)	3	SLAVIC 276 (meets Humanities requirement)	3
SLAVIC 315	3	SLAVIC 316	3
Physical Science Breadth	3	Science Breadth	3
Electives	5	Social Science Breadth	3
		Electives	6
	14		**18**

Fourth Year

Fall	Credits	Spring	Credits
SLAVIC 321	3	Russian Capstone	3
Russian Elective	3	Russian Elective	3
Social Science Breadth	3	Social Science Breadth	3
Electives	7	Electives	6
	16		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the German, Nordic, and Slavic+ website (https://gns.wisc.edu/undergraduate_majors/).

Any student with previous experience with the Polish language is required to take a placement test. These tests may admit a student to a more advanced course, but give no credit toward graduation. However, retroactive credits can be granted in recognition of previous language study (L&S Retro Credit Policy (https://kb.wisc.edu/ls/page.php?id=23736)). The Placement Advisor for Russian is Anna Tumarkin. Please contact the undergraduate advisor to request placement.

Students might also want to consider the Russian Flagship Program, a federally funded intensive language-learning program open to students of all majors. The Flagship Program is a separate application and students can complete it in addition to the Russian major or may complete it alongside another major entirely.

For other undergraduate concerns, please contact our undergraduate coordinator Joanna Schuth (jschuth@wisc.edu (undergrad@gns.wisc.edu)).

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SCANDINAVIAN STUDIES, BA

The Scandinavian Studies major provides the opportunity to learn the literature, folklore, history, and culture of the Nordic countries in the original languages and in English translation. Partly in cooperation with other departments, we offer courses in Scandinavian language, history, culture, social institutions, gender and women's studies, arts, myths, and folklore.

Students also may continue graduate studies toward an MA in Scandinavian philology, literature, or area studies, and toward a PhD in Scandinavian literature, philology, or folklore.

The program strongly encourages a junior year abroad in a Nordic country (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/scandinavian-studies/); several exchange programs in Sweden, Norway, Denmark, and elsewhere are available.

Students may apply to Norden House (https://www.housing.wisc.edu/undergraduate/communities/international/language-communities/), a residential language learning community for UW–Madison students studying Norwegian, Danish, or Swedish, housed in Kronshage Residence Hall.

Scholars who major in the field are equipped for careers in the countries that are the world leaders in gender equity, societal welfare, and 21st-century business practices, as well as a range of careers including education, law, international trade, translation, civil service, nonprofits, the arts, linguistics, literature, environmental sciences, conservation, diplomacy, and more.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Scandinavian Studies certificate may not be declared in the Scandinavian Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Language (complete one):		**3-4**
SCAND ST 251	Readings in Norwegian Literature	
SCAND ST 261	Readings in Swedish Literature	
SCAND ST 271	Readings in Danish Literature	
Literature Culture (complete one course from each area):		**18**
Language, Culture, and History (complete at least one course):		
SCAND ST/ FOLKLORE/ MEDIEVAL 235	The World of Sagas	
SCAND ST 250	Introduction to Scandinavia	
SCAND ST 276	Culture & Community in Scandinavia	
SCAND ST/ FOLKLORE/ MEDIEVAL/ RELIG ST 342	Nordic Mythology	
SCAND ST/ FOLKLORE/ LITTRANS/ MEDIEVAL 345	The Nordic Storyteller	
SCAND ST 348	The Second World War in Nordic Culture	
SCAND ST 355	Autobiography	
SCAND ST 401	Contemporary Scandinavian Languages	
SCAND ST 404	Languages of Northern Europe	
SCAND ST/ MEDIEVAL 407	Introductory Old Norse	
SCAND ST/ MEDIEVAL 408	Intermediate Old Norse	
SCAND ST/ MEDIEVAL 409	Survey of Old Norse-Icelandic Literature	
SCAND ST 410	Introduction to Scandinavian Linguistics	
SCAND ST 411	Areas in Scandinavian Literature	
SCAND ST 415	History of the Scandinavian Languages II: Standard Languages	
SCAND ST/ MEDIEVAL 430	The Vikings	
SCAND ST/ HISTORY 431	History of Scandinavia to 1815	
SCAND ST/ HISTORY 432	History of Scandinavia Since 1815	
SCAND ST/ LITTRANS 435	The Sagas of Icelanders in English Translation	
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	
SCAND ST/ FOLKLORE 440	Scandinavian American Folklore	
SCAND ST 439	Nordic Filmmakers	
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	
SCAND ST/ FOLKLORE/ MEDIEVAL 446	Celtic-Scandinavian Cultural Interrelations	
SCAND ST 476	Scandinavian Life and Civilization II	
SCAND ST 510	Topics in Scandinavian Linguistics	
SCAND ST 511	Paleography and Philology - Old Norse	
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History	
Modern Scandinavian Literature (complete at least one course):		
SCAND ST/ LITTRANS 320	The Nordic Child	
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	

SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century
SCAND ST 419	Scandinavian Children's Literature
SCAND ST 421	Advanced Topics in Nordic Studies (1 Norwegian-American Folksong)
SCAND ST 421	Advanced Topics in Nordic Studies (2 Finnish-American Folksong)
SCAND ST 421	Advanced Topics in Nordic Studies (4 Hagiography in the North)
SCAND ST 422	The Drama of Henrik Ibsen
SCAND ST 424	Nineteenth-Century Scandinavian Fiction
SCAND ST 426	Kierkegaard and Scandinavian Literature
SCAND ST 427	Contemporary Scandinavian Literature
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard
SCAND ST 434	The Art of Isak Dinesen/Karen Blixen
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST 450	Scandinavian Decadence in its European Context
SCAND ST 475	The Writings of Hans Christian Andersen for Scandinavian Majors
SCAND ST 520	Special Topics
SCAND ST 634	Survey of Scandinavian Literature: 1500-1800
SCAND ST 635	Survey of Scandinavian Literature: 1800-1890
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen
Total Credits	**21**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SCAND ST and all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major[1]
- 15 credits in SCAND ST, taken on campus

[1] SCAND ST/LITTRANS 320 to SCAND ST 699 are considered upper level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Scandinavian Studies advisor(s).

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all SCAND ST and all major courses
- Complete at least 8 Honors credits from courses numbered SCAND ST 373 and higher
- Complete either SCAND ST 634 or SCAND ST 635 with a grade of B or better
- Complete a two-semester Senior Honors Thesis in SCAND ST 681 and SCAND ST 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop speaking, listening, writing, and reading skills and integrate these skills to communicate in the target language (Danish, Norwegian, Swedish) including familiarity with the other two in a variety of social situations.
2. Recognize shifting geographic, cultural, ethnic/racial, and/or language factors in the Nordic region over time.
3. Demonstrate an understanding of major scholarly approaches, concepts and current research findings concerning the Nordic region.
4. Synthesize information, engage in discussion and research, and argue persuasively about key topics in the Nordic region.
5. Identify and analyze literary texts, films, and other cultural products, using both primary and secondary sources, used in the study of the Nordic region.
6. Integrate learned ideas and perspectives with broader social, cultural, and/or environmental contexts.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
SCAND ST 101, 111, or 121	4	SCAND ST 102, 112, or 122	4
SCAND ST 476	4	SCAND ST/ FOLKLORE 443 (meets Ethnic Studies requirement)	4
Scandinavian Studies FIG Course	4	Social Science Breadth	4
Communication A	3	Quantitative Reasoning A	3-4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
SCAND ST 201, 211, or 221	4	SCAND ST 202, 212, or 222	4
SCAND ST 475 (enroll in Communication B section)	4	GNS/FOLKLORE 200	3
Biological Science Breadth	3	Physical Science Breadth	3
INTER-LS 210	1	Science Breadth	3
Elective	3	Elective	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
SCAND ST 251, 261, or 271	3-4	Study Abroad in Denmark, Iceland, Norway, or Sweden[1]	
Quantitative Reasoning B	3-4	Social Science Breadth	8
Science Breadth	3	Electives	8
Elective	4		
	14		**16**

Senior

Fall	Credits	Spring	Credits
Elective in Major: Choose any in Language, Culture, and History	4	SCAND ST 401	3
Elective in Major: Choose any in Modern Scandinavian Literature	4	Electives	12
Electives	6		
	14		**15**

Total Credits 120

[1] Transfer credit will vary based on courses completed while abroad.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the German, Nordic, and Slavic+ website (https://gns.wisc.edu/undergraduate_majors/).

For advising and placement or declare the major, please contact our undergraduate advisor Joanna Schuth (jschuth@wisc.edu).

Students who transfer to UW—Madison after a year abroad should contact the undergraduate advisor as early as possible to schedule a placement test.

Majors should see the advisor during the semester before their last semester. Prospective majors are urged to consult the undergraduate advisor about their program at the first possible opportunity.

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SCANDINAVIAN STUDIES, BS

The Scandinavian Studies major provides the opportunity to learn the literature, folklore, history, and culture of the Nordic countries in the original languages and in English translation. Partly in cooperation with

other departments, we offer courses in Scandinavian language, history, culture, social institutions, gender and women's studies, arts, myths, and folklore.

Students also may continue graduate studies toward an MA in Scandinavian philology, literature, or area studies, and toward a PhD in Scandinavian literature, philology, or folklore.

The program strongly encourages a junior year abroad in a Nordic country (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/scandinavian-studies/); several exchange programs in Sweden, Norway, Denmark, and elsewhere are available.

Students may apply to Norden House (https://www.housing.wisc.edu/undergraduate/communities/international/language-communities/), a residential language learning community for UW–Madison students studying Norwegian, Danish, or Swedish, housed in Kronshage Residence Hall.

Scholars who major in the field are equipped for careers in the countries that are the world leaders in gender equity, societal welfare, and 21st-century business practices, as well as a range of careers including education, law, international trade, translation, civil service, nonprofits, the arts, linguistics, literature, environmental sciences, conservation, diplomacy, and more.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Scandinavian Studies certificate may not be declared in the Scandinavian Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world.

Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Language (complete one):		**3-4**
SCAND ST 251	Readings in Norwegian Literature	
SCAND ST 261	Readings in Swedish Literature	
SCAND ST 271	Readings in Danish Literature	
Literature Culture (complete one course from each area):		**18**
Language, Culture, and History (complete at least one course):		
SCAND ST/ FOLKLORE/ MEDIEVAL 235	The World of Sagas	
SCAND ST 250	Introduction to Scandinavia	
SCAND ST 276	Culture & Community in Scandinavia	
SCAND ST/ FOLKLORE/ MEDIEVAL/ RELIG ST 342	Nordic Mythology	
SCAND ST/ FOLKLORE/ LITTRANS/ MEDIEVAL 345	The Nordic Storyteller	
SCAND ST 348	The Second World War in Nordic Culture	
SCAND ST 355	Autobiography	
SCAND ST 401	Contemporary Scandinavian Languages	
SCAND ST 404	Languages of Northern Europe	
SCAND ST/ MEDIEVAL 407	Introductory Old Norse	
SCAND ST/ MEDIEVAL 408	Intermediate Old Norse	
SCAND ST/ MEDIEVAL 409	Survey of Old Norse-Icelandic Literature	
SCAND ST 410	Introduction to Scandinavian Linguistics	
SCAND ST 411	Areas in Scandinavian Literature	
SCAND ST 415	History of the Scandinavian Languages II: Standard Languages	
SCAND ST/ MEDIEVAL 430	The Vikings	
SCAND ST/ HISTORY 431	History of Scandinavia to 1815	
SCAND ST/ HISTORY 432	History of Scandinavia Since 1815	
SCAND ST/ LITTRANS 435	The Sagas of Icelanders in English Translation	
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	
SCAND ST/ FOLKLORE 440	Scandinavian American Folklore	
SCAND ST 439	Nordic Filmmakers	
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	
SCAND ST/ FOLKLORE/ MEDIEVAL 446	Celtic-Scandinavian Cultural Interrelations	
SCAND ST 476	Scandinavian Life and Civilization II	
SCAND ST 510	Topics in Scandinavian Linguistics	
SCAND ST 511	Paleography and Philology - Old Norse	
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History	
Modern Scandinavian Literature (complete at least one course):		
SCAND ST/ LITTRANS 320	The Nordic Child	
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	
SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	
SCAND ST 419	Scandinavian Children's Literature	
SCAND ST 421	Advanced Topics in Nordic Studies (1 Norwegian-American Folksong)	
SCAND ST 421	Advanced Topics in Nordic Studies (2 Finnish-American Folksong)	
SCAND ST 421	Advanced Topics in Nordic Studies (4 Hagiography in the North)	
SCAND ST 422	The Drama of Henrik Ibsen	
SCAND ST 424	Nineteenth-Century Scandinavian Fiction	
SCAND ST 426	Kierkegaard and Scandinavian Literature	
SCAND ST 427	Contemporary Scandinavian Literature	
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard	
SCAND ST 434	The Art of Isak Dinesen/Karen Blixen	
SCAND ST 436	Topics in Scandinavian Literature	
SCAND ST 450	Scandinavian Decadence in its European Context	
SCAND ST 475	The Writings of Hans Christian Andersen for Scandinavian Majors	
SCAND ST 520	Special Topics	

SCAND ST 634	Survey of Scandinavian Literature: 1500-1800
SCAND ST 635	Survey of Scandinavian Literature: 1800-1890
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen
Total Credits	**21**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SCAND ST and all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major[1]
- 15 credits in SCAND ST, taken on campus

[1] SCAND ST/LITTRANS 320 to SCAND ST 699 are considered upper level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Scandinavian Studies advisor(s).

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all SCAND ST and all major courses
- Complete at least 8 Honors credits from courses numbered SCAND ST 373 and higher
- Complete either SCAND ST 634 or SCAND ST 635 with a grade of B or better
- Complete a two-semester Senior Honors Thesis in SCAND ST 681 and SCAND ST 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop speaking, listening, writing, and reading skills and integrate these skills to communicate in the target language (Danish, Norwegian, Swedish) including familiarity with the other two in a variety of social situations.
2. Recognize shifting geographic, cultural, ethnic/racial, and/or language factors in the Nordic region over time.
3. Demonstrate an understanding of major scholarly approaches, concepts and current research findings concerning the Nordic region.
4. Synthesize information, engage in discussion and research, and argue persuasively about key topics in the Nordic region.
5. Identify and analyze literary texts, films, and other cultural products, using both primary and secondary sources, used in the study of the Nordic region.
6. Integrate learned ideas and perspectives with broader social, cultural, and/or environmental contexts.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
SCAND ST 101, 111, or 121	4	SCAND ST 102, 112, or 122	4
SCAND ST 476	4	SCAND ST/ FOLKLORE 443 (meets Ethnic Studies requirement)	4
Scandinavian Studies FIG Course	4	Social Science Breadth	4
Communication A	3	Quantitative Reasoning A	3-4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
SCAND ST 201, 211, or 221	4	SCAND ST 202, 212, or 222	4

SCAND ST 475 (enroll in Communication B section)	4	GNS/FOLKLORE 200	3
Biological Science Breadth	3	Physical Science Breadth	3
INTER-LS 210	1	Science Breadth	3
Elective	3	Elective	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
SCAND ST 251, 261, or 271	3-4	Study Abroad in Denmark, Iceland, Norway, or Sweden[1]	
Quantitative Reasoning B	3-4	Social Science Breadth	8
Science Breadth	3	Electives	8
Elective	4		
	14		**16**

Senior

Fall	Credits	Spring	Credits
Elective in Major: Choose any in Language, Culture, and History	4	SCAND ST 401	3
Elective in Major: Choose any in Modern Scandinavian Literature	4	Electives	12
Electives	6		
	14		**15**

Total Credits 120

[1] Transfer credit will vary based on courses completed while abroad.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the German, Nordic, and Slavic+ website (https://gns.wisc.edu/undergraduate_majors/).

For advising and placement or declare the major, please contact our undergraduate advisor Joanna Schuth (jschuth@wisc.edu).

Students who transfer to UW–Madison after a year abroad should contact the undergraduate advisor as early as possible to schedule a placement test.

Majors should see the advisor during the semester before their last semester. Prospective majors are urged to consult the undergraduate advisor about their program at the first possible opportunity.

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SCANDINAVIAN STUDIES, CERTIFICATE

Admissions to the Scandinavian Studies Certificate have been suspended as of fall 2023 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

Please see the Languages and Cultures of Northern Europe certificate (https://guide.wisc.edu/undergraduate/letters-science/german-nordic-slavic/languages-cultures-northern-europe-certificate/) instead.

The Scandinavian Studies program provides the opportunity to learn the literature, folklore, politics, and culture of the Nordic countries in the original languages and in English translation. Partly in cooperation with other departments, we offer courses in Scandinavian language, history, culture, social institutions, geography, arts, archaeology, myths, and folklore.

Scholars with knowledge of Scandinavian languages and cultures are equipped for careers in the countries that are the world leaders in gender equity, societal welfare, and 21st-century business practices, as well as a range of careers including education, law, international trade, translation, civil service, non-profits, the arts, linguistics, literature, environmental sciences, conservation, diplomacy, and more.

HOW TO GET IN

HOW TO GET IN

Admissions to the Scandinavian Studies Certificate have been suspended as of fall 2023 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

Students declared in the Scandinavian Studies major are not eligible to declare the Certificate in Scandinavian Studies.

REQUIREMENTS

CERTIFICATE REQUIREMENTS

The Scandinavian studies certificate requires 18 credits of SCAND ST. 9 credits must be taken in coursework numbered 300 or higher. Select at least one course from each of the following areas:

LANGUAGES

Code	Title	Credits
Danish:		
SCAND ST 121	First Semester Danish	4
SCAND ST 122	Second Semester Danish	4
SCAND ST 221	Second Year Danish	4
SCAND ST 222	Second Year Danish	4
SCAND ST 271	Readings in Danish Literature	3-4
Finnish:		
SCAND ST 131	First Semester Finnish	4
SCAND ST 132	Second Semester Finnish	4
Norwegian:		
SCAND ST 101	First Semester Norwegian	4
SCAND ST 102	Second Semester Norwegian	4
SCAND ST 201	Second Year Norwegian	4
SCAND ST 202	Second Year Norwegian	4
SCAND ST 251	Readings in Norwegian Literature	3-4
Sami:		
SCAND ST 404	Languages of Northern Europe	2-4
Swedish:		
SCAND ST 111	First Semester Swedish	4
SCAND ST 112	Second Semester Swedish	4
SCAND ST 211	Second Year Swedish	4
SCAND ST 212	Second Year Swedish	4
SCAND ST 261	Readings in Swedish Literature	3-4

LANGUAGE, CULTURE, AND HISTORY COURSES

Code	Title	Credits
SCAND ST 250	Introduction to Scandinavia	3
SCAND ST/ FOLKLORE/ MEDIEVAL/ RELIG ST 342	Nordic Mythology	3
SCAND ST/ FOLKLORE/ LITTRANS/ MEDIEVAL 345	The Nordic Storyteller	3
SCAND ST 348	The Second World War in Nordic Culture	3
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	3-4
SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	3-4
SCAND ST 401	Contemporary Scandinavian Languages	3
SCAND ST/ MEDIEVAL 407	Introductory Old Norse	3
SCAND ST/ MEDIEVAL 408	Intermediate Old Norse	3
SCAND ST/ MEDIEVAL 409	Survey of Old Norse-Icelandic Literature	3
SCAND ST 410	Introduction to Scandinavian Linguistics	3
SCAND ST 415	History of the Scandinavian Languages II: Standard Languages	3
SCAND ST 419	Scandinavian Children's Literature	4
SCAND ST 421	Advanced Topics in Nordic Studies	1-3
SCAND ST/ MEDIEVAL 430	The Vikings	4
SCAND ST/ HISTORY 431	History of Scandinavia to 1815	3
SCAND ST/ HISTORY 432	History of Scandinavia Since 1815	3
SCAND ST/ LITTRANS 435	The Sagas of Icelanders in English Translation	3
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	3
SCAND ST 439	Nordic Filmmakers	3
SCAND ST/ FOLKLORE 440	Scandinavian American Folklore	3
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	4
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	4
SCAND ST/ FOLKLORE/ MEDIEVAL 446	Celtic-Scandinavian Cultural Interrelations	3
SCAND ST 476	Scandinavian Life and Civilization II	4
SCAND ST 510	Topics in Scandinavian Linguistics	3
SCAND ST 511	Paleography and Philology - Old Norse	3
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History	3-4

LITERATURE

Code	Title	Credits
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	3-4
SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	3-4
SCAND ST 419	Scandinavian Children's Literature	4
SCAND ST 411	Areas in Scandinavian Literature	1
SCAND ST/ MEDIEVAL 409	Survey of Old Norse-Icelandic Literature	3
SCAND ST 422	The Drama of Henrik Ibsen	4
SCAND ST 424	Nineteenth-Century Scandinavian Fiction	3-4

SCAND ST 426	Kierkegaard and Scandinavian Literature	3
SCAND ST 427	Contemporary Scandinavian Literature	4
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard	3
SCAND ST 434	The Art of Isak Dinesen/Karen Blixen	4
SCAND ST 436	Topics in Scandinavian Literature	3-4
SCAND ST 450	Scandinavian Decadence in its European Context	3-4
SCAND ST 475	The Writings of Hans Christian Andersen for Scandinavian Majors	4
SCAND ST 520	Special Topics	3
SCAND ST 634	Survey of Scandinavian Literature: 1500-1800	3
SCAND ST 635	Survey of Scandinavian Literature: 1800-1890	3

RESIDENCE AND QUALITY OF WORK

- At least a 2.000 GPA is required among all courses eligible for the certificate.
- At least 9 credits must be taken in residence. A UW–Madison-sponsored study abroad program applies as in-residence credit.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding in a global context in a field of study covering literature, history, area studies, folklore, or philology classes.
2. Select and utilize the most appropriate methods of study and inquiry within the content of the classes taken.
3. Evaluate and respond to information pertaining to the classes taken, showing clear analytical and critical thinking skills.
4. Communicate clearly in appropriate ways in the classes taken.
5. Recognize and apply principles of ethical and professional conduct.

ADVISING AND CAREERS

ADVISING AND CAREERS

For questions about this certificate, please contact our undergraduate advisor Joanna Schuth (jschuth@wisc.edu).

For advising on careers related to languages, talk with Lydia Odegard (lodegard@wisc.edu), Language Directions Specialist in the Language Institute.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SLAVIC STUDIES, CERTIFICATE

In the Slavic Studies Certificate, students have the opportunity to pair a strong language study of Russian or Polish with a contextual, integrative regional view to complement their studies in political science, international studies, business, history, or many other areas. Students gain a critically informed appreciation and understanding of the complex, interwoven nature of the region's historical trajectories, politics, literature, and culture, with the flexibility to choose to focus on the area or culture of their special interest or take a comparative approach to the region as a whole.

HOW TO GET IN

HOW TO GET IN

Students may declare the certificate by contacting the academic advisor.

Students declared in the Russian or Polish majors are not eligible to declare the Slavic Studies certificate. Students declared in the Certificate in Russian, East European and Central Asian Studies at the Undergraduate Level are not eligible to declare the Slavic Studies certificate.

REQUIREMENTS

REQUIREMENTS

The Slavic Studies Certificate consists of 19 credits from the following requirements:

Code	Title	Credits
Languages:		
Complete one sequence:		6
SLAVIC 203 & SLAVIC 204	Third Semester Russian and Fourth Semester Russian	

SLAVIC 117 & SLAVIC 118	Intensive Second Year Russian and Intensive Second Year Russian
SLAVIC 207 & SLAVIC 208	Third Semester Polish and Fourth Semester Polish
SLAVIC 275 & SLAVIC 276	Third Year Russian I and Third Year Russian II
SLAVIC 277 & SLAVIC 278	Third Year Polish I and Third Year Polish II
SLAVIC 331 & SLAVIC 332	Fourth Year Polish I and Fourth Year Polish II
SLAVIC 321 & SLAVIC 322	Fourth Year Russian I and Fourth Year Russian II
SLAVIC 321 & SLAVIC 465	Fourth Year Russian I and Advanced Readings in Russian Literature & Culture
Survey Courses - complete one:	**4**
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey
Comparative Studies Courses - complete one:	**3**
LITTRANS 207	Slavic Science Fiction through Literature and Film
SLAVIC/ LITTRANS 238	Literature and Revolution
SLAVIC 239	Performance and Power
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore
Additional coursework from any Survey or Comparative Studies course listed above, or:	**6**
SLAVIC 231	History and Ethics on Film: Polish Cinema
SLAVIC/ LITTRANS 215	Love and Death: Introduction to Polish Literature & Culture
SLAVIC 242	Literatures and Cultures of Eastern Europe
SLAVIC 243	Contemporary Russia: History, Politics, and Culture
SLAVIC 245	Topics in Slavic Literatures
SLAVIC 246	Escaping Utopia: Cultures after Communism
SLAVIC/ LITTRANS 259	Adventure in Literature and Film
SLAVIC/ LITTRANS 266	Elementary Special Topics in Russian Literature & Culture
SLAVIC 307	Study Abroad in Poland
SLAVIC 308	Polish Culture and Area Studies on Study Abroad
SLAVIC 309	Russian Area Studies on Study Abroad
SLAVIC 310	Topics in Russian: Study Abroad
SLAVIC 315	Russian Language and Culture I
SLAVIC 316	Russian Language and Culture II
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture
SLAVIC/ LITTRANS 366	Intermediate Special Topics in Russian Literature & Culture
SLAVIC 433	History of Russian Culture
SLAVIC 434	Contemporary Russian Culture
SLAVIC 465	Advanced Readings in Russian Literature & Culture
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures
SLAVIC 470	History of Polish Literature until 1863
SLAVIC 472	History of Polish Literature after 1863
SLAVIC 555	Advanced Russian Listening & Speaking
SLAVIC 560	Capstone Seminar in Russian Literature and Culture
LITTRANS 201	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 208	The Writings of Vaclav Havel: Crtitique of Modern Society
LITTRANS 218	Polish Literature in Translation: Late 19th and 20th Centuries
LITTRANS 220	Chekhov: The Drama of Modern Life
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol
LITTRANS 222	Dostoevsky in Translation
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings
LITTRANS 224	Tolstoy in Translation
LITTRANS 229	Representation of the Jew in Eastern European Cultures
LITTRANS 233	Russian Life and Culture Through Literature and Art (to 1917)
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 241	Literatures and Cultures of Eastern Europe
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS/ SLAVIC 266	Elementary Special Topics in Russian Literature & Culture
LITTRANS/ SLAVIC 357	Intermediate Special Topics in Slavic Languages and Literatures

LITTRANS/ SLAVIC 361	Living at the End of Times: Contemporary Polish Literature and Culture
LITTRANS/ SLAVIC 366	Intermediate Special Topics in Russian Literature & Culture
LITTRANS/ THEATRE 423	In Translation: Slavic Drama in Context
LITTRANS/ SLAVIC 467	Advanced Special Topics in Slavic Languages and Literatures
LITTRANS 471	Polish Literature (in Translation), Middle Ages to 1863
LITTRANS 473	Polish Literature (in Translation) since 1863
Total Credits	**19**

RESIDENCE AND QUALITY OF WORK

- At least 10 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquire intermediate proficiency in a Slavic language (Polish or Russian).
2. Analyze and interpret cultural products of the region (i.e., works of literature, film, etc.) in themselves and in the context of specific historical and cultural conditions.
3. Develop and apply writing skills and oral communication skills appropriate to Liberal Arts education in the context of Slavic Studies to the literatures and cultures of the region.
4. Develop and apply critical-thinking skills inherent in the Liberal Arts tradition to the literature and culture of the region.
5. Demonstrate an understanding of major approaches, concepts, and current research findings concerning the Slavic region.

ADVISING AND CAREERS

ADVISING AND CAREERS

For advising and placement, or to declare the certificate, please contact our undergraduate advisor Joanna Schuth (jschuth@wisc.edu).

Students who transfer to UW–Madison with previous language experience should contact the undergraduate advisor as early as possible to schedule a placement test.

Students should see the advisor during the semester before their last semester. Prospective students are urged to consult the undergraduate advisor about the program at the first possible opportunity.

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HISTORY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- History, BA (p. 821)
- History, BS (p. 834)
- History, Certificate (p. 846)
- Medieval Studies, Certificate (p. 849)

HISTORY, BA

Why study history? (https://history.wisc.edu/undergraduate-program/history-careers/why-history/) History is so much more than memorizing names and dates. Are you interested in technology? Religion? The environment? Human rights? If you have a question, history can help you find an answer.

The History major is a great option for people who are interested in studying *change*. History asks, "How did the world get to be this way?" and "What factors might influence where the world is heading now?" Studying history helps us understand and grapple with complex questions and dilemmas by examining how the past has shaped—and continues to shape—global, national, and local relationships between societies and people. The skills that history students develop are used in a wide range of careers and prepare students for graduate or professional study in fields such as law, business, medicine, public policy, and much more.

The History major can also be combined with any other major in the College of Letters & Science, anything from Astronomy (p. 489) to

Zoology (p. 1040). Majors that students most frequently pair with History are Economics (p. 666), English (http://guide.wisc.edu/undergraduate/letters-science/english/), Environmental Studies (p. 700), Journalism (p. 1310), and Political Science (p. 1249). History students can also choose to add certificates in Letters & Science or other colleges, such as certificates in Business (p. 1411) or Education and Educational Services (p. 1652). In addition to these, some of the most common certificates for History students are currently Criminal Justice (p. 548), Global Health (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/nutritional-sciences/global-health-certificate/), European Studies (https://guide.wisc.edu/undergraduate/letters-science/institute-regional-international-studies/european-certificate/), and Digital Studies (p. 644). The History advising team is happy to discuss ways for you to make your intellectual and career goals work as part of a four-year plan (https://guide.wisc.edu/undergraduate/letters-science/history/history-ba/#fouryearplantext).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students may use courses from History and History of Science to meet the requirements of the History major.[1] A minimum of 30 credits in the major is required, including:

CHRONOLOGICAL BREADTH:

History majors must complete at least one course that deals with the history of Europe and/or the Mediterranean before C.E. 1500 or with the history of Africa or Asia before these areas fell heavily under European influence.

Chronological Breadth Courses

Code	Title	Credits
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 200	Historical Studies (Carnage in Rome)	3-4
HISTORY 200	Historical Studies (Sparta)	3-4
HIST SCI 201	The Origins of Scientific Thought	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
HISTORY 201	The Historian's Craft (Death Public Mourning in Rome)	3-4
HISTORY 201	The Historian's Craft (Carnage in Rome)	3-4
HISTORY 201	The Historian's Craft (Religion in Roman Africa)	3-4
HISTORY 201	The Historian's Craft (Byzantine Empresses)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY 223	Explorations in European History (H) (Roman Gladiators)	3-4
HISTORY 223	Explorations in European History (H) (Medieval Law and Society)	3-4
HISTORY 223	Explorations in European History (H) (Roman Woman)	3-4
HISTORY 223	Explorations in European History (H) (The Vikings: Fact and Fiction)	3-4
HISTORY 223	Explorations in European History (H) (Warfare in the Middle Ages)	3-4
HISTORY 223	Explorations in European History (H) (Roman Women and Men)	3-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3

GEOGRAPHIC BREADTH:

At minimum, history majors must complete one course from four of the eight geographic breadth categories.

Geographic Breadth: European History Courses

Code	Title	Credits
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 124	Britain since 1688	4
HIST SCI 201	The Origins of Scientific Thought	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
HISTORY 201	The Historian's Craft (1945)	3-4
HISTORY 201	The Historian's Craft (Mercenaries Pirates E.Mod Med)	3-4
HISTORY 201	The Historian's Craft (Death Public Mourning in Rome)	3-4
HISTORY 201	The Historian's Craft (Witches and Saints)	3-4
HISTORY 201	The Historian's Craft (Carnage in Rome)	3-4
HISTORY 201	The Historian's Craft (Dems Dictators in SpainItaly)	3-4

HISTORY 201	The Historian's Craft (French Revolution)	3-4
HISTORY 201	The Historian's Craft (Jul-14)	3-4
HISTORY 201	The Historian's Craft (WWII's Eastern Front)	3-4
HISTORY 201	The Historian's Craft (Belief Unbelief in Mod Eur)	3-4
HISTORY 201	The Historian's Craft (18th-Century Europe)	3-4
HISTORY 201	The Historian's Craft (History European Sexuality)	3-4
HISTORY 201	The Historian's Craft (Byzantine Empresses)	3-4
HISTORY 201	The Historian's Craft (Weimar Rep. Rise Of Nazism)	3-4
HISTORY 201	The Historian's Craft (1945 in Europe)	3-4
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)	3-4
HISTORY 201	The Historian's Craft (Supernatural in Early Modern Europe)	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY 223	Explorations in European History (H)	3-4
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
HISTORY 270	Eastern Europe since 1900	3-4
HISTORY 271	History Study Abroad: European History	1-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ JEWISH 310	The Holocaust	3-4
HISTORY/ HIST SCI 323	The Scientific Revolution: From Copernicus to Newton	3
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 348	France from Napoleon to the Great War, 1799-1914	3-4
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY 357	The Second World War	3-4
HISTORY 358	French Revolution and Napoleon	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe	3-4
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics	3
HISTORY 417	History of Russia	3-4
HISTORY 418	History of Russia	3-4
HISTORY 419	History of Soviet Russia	3-4
HISTORY 420	Russian Social and Intellectual History	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	3
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ ED POL 478	Comparative History of Childhood and Adolescence	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
HISTORY/ SCAND ST 577	Contemporary Scandinavia: Politics and History	3-4

Geographic Breadth: African History Courses

Code	Title	Credits
HISTORY/ AFRICAN 106	Introduction to African History	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (African Decolonization)	3-4

HISTORY 201	The Historian's Craft (Islam in the African Diaspora)	3-4
HISTORY 201	The Historian's Craft (African Diaspora)	3-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4

Geographic Breadth: Central or East Asian History Courses

Code	Title	Credits
HISTORY/ASIAN 103	Introduction to East Asian History: China	3-4
HISTORY/ASIAN 104	Introduction to East Asian History: Japan	3-4
HISTORY/ASIAN 108	Introduction to East Asian History - Korea	3-4
HISTORY 201	The Historian's Craft (Shanghai Life and Crime)	3-4
HISTORY 201	The Historian's Craft (The Korean War)	3-4
HISTORY 201	The Historian's Craft (End of Empire:OccupationP.War)	3-4
HISTORY 201	The Historian's Craft (Japan after 1945)	3-4
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY 340	Cultural History of Korea	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY/ ASIAN 363	China and World War II in Asia	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4

Geographic Breadth: South or Southeast Asian History Courses

Code	Title	Credits
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 201	The Historian's Craft (Camera as Historian)	3-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4

Geographic Breadth: Latin American History Courses

Code	Title	Credits
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (Nation Breakers, Nation Makers)	3-4
HISTORY 201	The Historian's Craft (Afterlives of the War of 1898)	3-4
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	3
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3

Geographic Breadth: Middle Eastern History Courses

Code	Title	Credits
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY 200	Historical Studies (Ottoman Empire to Modern Turkey)	1-4
HISTORY 201	The Historian's Craft (Tech. Rev. in Middle East)	3-4
HISTORY 201	The Historian's Craft (Middle East History in the Midwest US)	3-4

HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4

Geographic Breadth: Transnational History Courses

Code	Title	Credits
HIST SCI/ENVIR ST/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
HISTORY 130	An Introduction to World History	3-4
HIST SCI/HISTORY/ MED HIST 132	Bees, Trees, Germs, and Genes: A History of Biology	3
HISTORY 133	Global Military History (5000 BCE - Present)	3-4
HIST SCI 133	Biology and Society, 1950 - Today	3
HISTORY/ GEN&WS 134	Women and Gender in World History	3-4
HISTORY 137	The History of War in Film	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 146	A Global History of Now	3-4
HIST SCI 150	The Digital Age	3
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HIST SCI 160	Engineering Inequality: Technology and Inequity Throughout History	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (The Cold War Asia)	3-4
HISTORY 201	The Historian's Craft (Revolutionary Undergrounds in Eurasia)	3-4
HISTORY 201	The Historian's Craft (Global Christianities)	3-4
HISTORY 201	The Historian's Craft (Russia and America)	3-4
HISTORY 201	The Historian's Craft (Catholic Church and the World)	3-4
HISTORY 201	The Historian's Craft (The History of Contraception)	3-4
HISTORY 201	The Historian's Craft (Love in History)	3-4
HISTORY 201	The Historian's Craft (Human Rights Global History)	3-4
HISTORY 201	The Historian's Craft (History of Humanitarianism)	3-4
HISTORY 201	The Historian's Craft (Cold War on Ice: 1972)	3-4
HISTORY 201	The Historian's Craft (Postcolonialism)	3-4
HISTORY 201	The Historian's Craft (Immigration the US-MX Border)	3-4
HISTORY 201	The Historian's Craft (The Cold War)	3-4
HISTORY 201	The Historian's Craft (History Of Mass Confinement)	3-4
HISTORY 201	The Historian's Craft (The History Of Data)	3-4
HISTORY 201	The Historian's Craft (Oil Mining in World History)	3-4
HISTORY 201	The Historian's Craft (Middle East History in the Midwest US)	3-4
HIST SCI 202	The Making of Modern Science	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	3
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities)	3
HISTORY/ LEGAL ST 235	Prisons: From Antiquity to Supermax	3-4
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ CHICLA/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	3-4
HISTORY 274	History Study Abroad: Transnational/Global History	1-4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HIST SCI 343	The Darwinian Revolution	3
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY 357	The Second World War	3-4
HISTORY/ INTL ST 375	The Cold War - From World War II to End of Soviet Empire	3-4
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800	3
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ ENVIR ST 465	Global Environmental History	3-4
HISTORY/ LEGAL ST 510	Legal Pluralism	3
HIST SCI/MED HIST/ POP HLTH 553	International Health and Global Society	3
HISTORY 607	The American Impact Abroad: The Historical Dimension	3

Geographic Breadth: U.S. History Courses

Code	Title	Credits
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4

HISTORY 102	American History, Civil War Era to the Present	4
HISTORY 109	Introduction to U.S. History	3-4
HISTORY 136	Sport, Recreation, & Society in the United States	3-4
HIST SCI 150	The Digital Age	3
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HISTORY/ CHICLA 152	The United States West Since 1850	3-4
HISTORY/ CHICLA 153	Latina/Latino/Latinx History	3-4
HISTORY 154	Who is an American?	3-4
HISTORY 155	The Long Black Freedom Struggle from the Civil War to the Present	3-4
HISTORY/ ASIAN AM 160	Asian American History: Movement and Dislocation	3-4
HISTORY/ ASIAN AM 161	Asian American History: Settlement and National Belonging	3-4
HISTORY/ AMER IND 190	Introduction to American Indian History	3-4
HISTORY 201	The Historian's Craft (Women US History)	3-4
HISTORY 201	The Historian's Craft (Recording Latinx History in WI)	3-4
HISTORY 201	The Historian's Craft (The Hist of WI in 100 Objects)	3-4
HISTORY 201	The Historian's Craft (Your Parents' Generation)	3-4
HISTORY 201	The Historian's Craft (WI History Material Culture)	3-4
HISTORY 201	The Historian's Craft (World of Alexander Hamilton)	3-4
HISTORY 201	The Historian's Craft (American Revolutions)	3-4
HISTORY 201	The Historian's Craft (Relig American Culture Wars)	3-4
HISTORY 201	The Historian's Craft (Hist. of Transience in Amer.)	3-4
HISTORY 201	The Historian's Craft (Heroes and Amazons in Sports)	3-4
HISTORY 201	The Historian's Craft (History of Now)	3-4
HISTORY 201	The Historian's Craft (Race Belonging In Midwest)	3-4
HISTORY 201	The Historian's Craft (History of Banned Books in the US)	3-4
HISTORY 201	The Historian's Craft (American Indian and Indigenous History)	3-4
HISTORY 201	The Historian's Craft (Indian Removal)	3-4
HISTORY 201	The Historian's Craft (Homeland, Home Town: Native and Settler Places)	3-4
HISTORY/ JEWISH 213	Jews and American Pop. Culture	3-4
HIST SCI 218	History of Twentieth Century American Medicine	3
HISTORY/ JEWISH 219	The American Jewish Experience: From Shtetl to Suburb	4
HISTORY 221	Explorations in American History (H)	3-4
HISTORY/ LEGAL ST 261	American Legal History to 1860	3
HISTORY/ LEGAL ST 262	American Legal History, 1860 to the Present	3
HISTORY 272	History Study Abroad: United States History	1-4
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 306	The United States Since 1945	3-4
HISTORY/ AFROAMER 321	Afro-American History Since 1900	3-4
HISTORY/ AFROAMER 322	African American History to 1900	3
HISTORY 329	History of American Capitalism	4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY 345	Military History of the United States	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	3-4
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 401	Public History Workshop (Wisconsin 101)	3
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY 427	The American Military Experience to 1902	3-4
HISTORY 428	The American Military Experience Since 1899	3-4
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
HISTORY/ ECON 466	The American Economy Since 1865	3-4
HISTORY 500	Reading Seminar in History (Biography in US Sports History)	3
HIST SCI/ MED HIST 509	The Development of Public Health in America	3

HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	3
HIST SCI/GEN&WS/ MED HIST 531	Women and Health in American History	3
HIST SCI/GEN&WS/ MED HIST 532	The History of the (American) Body	3
HIST SCI/ GEN&WS 537	Childbirth in the United States	3
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 607	The American Impact Abroad: The Historical Dimension	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3

NOTES ON HISTORY BREADTH REQUIREMENTS

- Breadth courses may be taken in any order.
- Chronological Breadth courses may also count toward a Geographic Breadth category.
- Some courses qualify for more than one Geographic Breadth area, but a course may only count for one Geographic Breadth category for the purposes of meeting the requirement.
- Topics courses (HISTORY 200, HISTORY 201, HISTORY 221, HISTORY 223, HISTORY 225, HISTORY 227, HISTORY 229, HISTORY 271, HISTORY 272, HISTORY 273, HISTORY HIST SCI 280, HISTORY 283, HIST SCI 286, HIST SCI 350 & HISTORY 500) may count for Geographic and/or Chronological Breadth. For topics courses, see the course notes for current breadth information.
- The following courses **may not be used** for breadth in the major: HISTORY 199, HIST SCI 555HISTORY 600, HISTORY 680, HISTORY 681, HIST SCI 681, HISTORY 682, HIST SCI 682, HISTORY 690, HISTORY 691, HIST HIST SCI 699.

HISTORY WRITING AND RESEARCH SEQUENCE:

History majors must complete both of the following:

- Students are encouraged to complete one of HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology as early as possible.
- HISTORY 600 Advanced Seminar in History or HIST SCI 555 Undergraduate Seminar in History of Science, to be taken after satisfactory completion of either HISTORY 201 or HIST SCI 211. Enrolling in a HISTORY 600 or HIST SCI 555 seminar requires instructor consent. Available seminars can be found on the history department website (https://history.wisc.edu/history600-seminars/).

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in HISTORY/HISTORY of SCIENCE and all other major courses
- 2.000 GPA on 15 upper-level major credits in residence[2]
- 15 credits HISTORY and/or HISTORY of SCIENCE taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the History Major in consultation with the History undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in History, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall University GPA
- Earn a 3.500 GPA in all HISTORY and HISTORY of SCIENCE courses and all other major courses
- Complete at least 36 total credits in HISTORY and HISTORY of SCIENCE coursework, 21 of which must be upper-level credits in residence[2]
- Complete at least 15 Honors credits in HISTORY or HISTORY of SCIENCE coursework
- Complete a two-semester Senior Honors Thesis, a piece of original work of approximately forty pages, in either HISTORY 681–HISTORY 682 or HIST SCI 681–HIST SCI 682, taken in conjunction with the HISTORY 680 Honors Thesis Colloquium both semesters. The thesis must be approved by instructors in both the thesis and colloquium courses.

FOOTNOTES

1 ILS 201 and ILS 202 may also be used to complete the requirements of the History major, including the requirements for Honors in the Major.

2 Major courses with Intermediate or Advanced Level are counted as upper-level in the History major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Find and interpret diverse evidence to explain complex changes over time
2. Communicate effectively to a variety of audiences in writing and speech
3. Use an understanding of many perspectives to work with people and solve complex problems
4. Seek to understand differing views and ways of being in the world
5. Identify the skills developed in the study of history and articulate their applicability to a variety of professional and intellectual endeavors

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
History Breadth[1]	4	History course for the Ethnic Studies Requirement (complete within 1st 60 credits)[2]	4
Communication Part A (Complete during your first year)	3	Biological Science Breadth[3]	3
Quantitative Reasoning Part A (complete during your first year)	3	Literature Breadth	3
Foreign Language (if necessary)	4	Elective or Course for Second Major[4]	4
	14		**14**

Second Year

Fall	Credits	Spring	Credits
HISTORY 201 (counts toward Communication Part B)[5]	4	History Breadth	4
HIST SCI 211 (may be taken instead of History 201)		History Elective	3
Quantitative Reasoning Part B (I/A Comp Sci, Math, or Stats if required for the BS)	3	Physical Science Breadth	3
History Elective or Course for Second Major	3	Elective or Course for Second Major	3
Elective or Course for Second Major	3	Elective or Course for Second Major	3
Elective or Course for Second Major	3		
	16		**16**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)*		History Breadth	4
History Breadth	3	HISTORY 301 (optional)	1
HISTORY 300[6]	2	Science Breadth	3
I/A Comp Sci, Math, or Stats (if required for the BS)	3	Elective or Course for Second Major	3
Literature Breadth	3	Elective or Course for Second Major	3
Elective or Course for Second Major	4		
	15		**14**

Fourth Year

Fall	Credits	Spring	Credits
Complete Remaining L&S Requirements**		History Elective	4
HISTORY 600[7]	3	Science Breadth	3
HIST SCI 555 (may be taken instead of History 600)		Elective or Course for Second Major	3
Elective or Course for Second Major	4	Elective or Course for Second Major	3
Elective or Course for Second Major	4	Elective or Course for Second Major	3
Elective or Course for Second Major	4		
	15		**16**

Total Credits 120

1 The History Breadth requirements are very flexible. History majors must complete Chronological Breadth (one course) and take at least one course from four of the eight Geographical Breadth categories. A single course may count toward both Chronological and Geographic Breadth, if appropriate. (For example, a course on Ancient Rome would count toward Chronological Breadth and European History.) HISTORY 201 may also count toward History Breadth requirements.

2 Some examples of History courses that count toward the Ethnic Studies Requirement are: HISTORY/CHICLA 152 The United States West Since 1850, HISTORY/ASIAN AM 160 Asian American History: Movement and Dislocation, & HISTORY/JEWISH 213 Jews and American Pop. Culture.

3 Some L&S Breadth requirements will be satisfied with History coursework. History classes will complete the additional Humanities Breadth credits (the Humanities credits that are not Literature) and may also complete Social Science Breadth.

4 History is a flexible major and can be combined with a wide range of other majors and certificates. We encourage students to be thoughtful

in how they approach their elective credits, whether that means pursuing an additional major or creating an individual plan of study that draws from multiple disciplines.

5 HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology may be taken as soon as you have completed the Communication A requirement. Students should try to complete the Historian's Craft by the end of the second year.

6 History offers two optional careers courses that expose students to, and prepare them for, the wide range of careers pursued by history majors: HISTORY 300 & HISTORY 301. History at Work: Professional Skills of the Major (HISTORY 300) connects students to History alumni in different fields and helps develop essential career skills related to the value of the major. History at Work: History Internship Seminar (HISTORY 301) allows students to receive credit toward their major requirements for work associated with an internship.

7 HISTORY 600 or HIST SCI 555 may be taken at any point after a student has completed either HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology. History 600s and History of Science 555 are offered on a variety of topics every semester and they provide students with the rich experience of a small, faculty-led seminar. They may be taken for credit more than once as long as the topics are different.

* Students must declare a major by the time they reach 86 credits.

** Please refer to the Requirements tab in Guide for College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it —along with their DARS report, the Degree Planner, and Course Search & Enroll tools — to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with a History major should enter the University with a minimum of 18 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 combined credits of Humanities, Social Science, Natural Science, or elective coursework
- 4 units of foreign language

This plan also assumes that History major coursework at UW-Madison will satisfy 6 credits of Humanities breadth (the Humanities credits that are not Literature) and 9 credits of Social Science breadth. Most History majors pursue the BA in History, but it is also possible to complete the BS and History major requirements in three years.

This plan assumes that students will complete a total of 9 credits over three summers. Summer is an opportunity to make progress toward various requirements. UW-Madison's summer course offerings include a large number of online courses, which give students more flexibility for their summer schedules. For students on an accelerated path, summer is also great time to study abroad.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
History Breadth[1]	4	HISTORY course with the Ethnic Studies designation (complete within 1st 60 credits)[3]	4	Elective or Course for Second Major	3
History Breadth	4	Elective or Course for Second Major[4]	4		
Biological Science Breadth	3	Quantitative Reasoning Part B (Intermediate or Advanced COMP SCI, MATH, or STAT if BS)	3		
Foreign Language (if pursuing retroactive credit)[2]	4	Literature Breadth	3		
		HISTORY 300 (optional or Elective)[5]	2		
	15		**16**		**3**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
HISTORY 201	4	History Breadth	4	Elective (Intermediate or Advanced level) or Course for Second Major	3
HIST SCI 211 (may be taken instead of History 201)		History Breadth or Elective	4		
Social Science Breadth	3	Physical Science Breadth	4		
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective (Intermediate or Advanced level) or Course for Second Major	4		

Elective or Course for Second Major	4			
HISTORY 301 (optional or Elective)	1			
	15		**16**	**3**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
HISTORY 600[6]	3	History Elective	3	Elective (Intermediate or Advanced level) or Course for Second Major	3
HIST SCI 555 (may be taken instead of History 600)		Literature Breadth	3		
Science Breadth	4	Science Breadth	3		
Electives (Intermediate or Advanced level) or Courses for Second Major	8	Electives (Intermediate or Advanced level) or Courses for Second Major	7		
	15		**16**		**3**

Total Credits 102

1. The History Breadth requirements are very flexible. Students should refer to the Requirements page for the History major for details on approved overlap between types of breadth in the major.
2. Even though students with 4 units of foreign language do not need to complete additional foreign language coursework, UW-Madison's retroactive credit policy (https://kb.wisc.edu/ls/23736/) can be very helpful for those pursuing an early graduation.
3. Some examples of History courses that count toward the Ethnic Studies Requirement are: HISTORY/CHICLA 152, ASIAN AM/HISTORY 160, & JEWISH/HISTORY 213.
4. History is a flexible major and can be combined with a wide range of other majors and certificates. For students hoping to double major and graduate early, it is especially important to work closely with academic advisors in both majors. We encourage all students to be thoughtful in how they approach their elective credits, whether that means pursuing an additional major or creating an individual plan of study that draws from multiple disciplines.
5. History offers two optional careers courses that expose students to, and prepare them for, the wide range of careers pursued by history majors: HISTORY 300 & HISTORY 301. History at Work: Professional Skills of the Major (HISTORY 300) connects students to History alumni in different fields and helps develop essential career skills related to the value of the major. History at Work: History Internship Seminar (HISTORY 301) allows students to receive credit toward their major requirements for work associated with an internship.
6. HISTORY 600 or HIST SCI 555 may be taken at any point after a student has completed either HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology. History 600s and History of Science 555 are offered on a variety of topics every semester; each course provides students with the rich experience of a small, faculty-led seminar. These seminars may be taken for credit more than once as long as the topics are different. Students who choose to pursue Honors in the History major should complete HISTORY 600 or HIST SCI 555 in Year Two so that they can write a Senior honors thesis in Year Three.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE HISTORY MAJOR

Students interested in declaring (or cancelling) a History major should fill out the History Major/Certificate Declaration Form (https://history.wisc.edu/undergraduate-program/declaring-the-history-major-or-certificate/). There are no prerequisites for declaring a History major, and students are encouraged to declare as soon as they feel comfortable doing so. All students are strongly encouraged to make an advising appointment after declaring and are also welcome to meet with an advisor before declaring. More information about advising and the major is available below and on the undergraduate section (https://history.wisc.edu/undergraduate-program/) of the department website.

ACADEMIC ADVISING

Students who are declared or interested in the History major have numerous advising resources available to them. The History advising team is comprised of professional and peer advisors who are excited to talk with students about everything from academic planning to professional development for future careers. Information on the history advising team and how to contact an advisor can be found on our website (https://history.wisc.edu/undergraduate-program/undergraduate-advising/). You can set up an appointment with one of our advisors by using the History Department Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/64599) page.

The History major can also be combined with any other major in the College of Letters & Science, anything from Astronomy (p. 489) to Zoology (https://guide.wisc.edu/undergraduate/letters-science/history/history-ba/undergraduate/letters-science/integrative-biology/zoology-bs/). Majors that students most frequently pair with History are Economics (p. 666), English (http://guide.wisc.edu/undergraduate/letters-science/english/), Environmental Studies (p. 700), Journalism (p. 1310), and Political Science (p. 1249). History students can also choose to add certificates in Letters & Science or other colleges, such as certificates in Business (p. 1411) or Education and Educational Services (p. 1652). In addition to these, some of the most common certificates for History students are currently Criminal Justice (p. 548), Global Health (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/nutritional-sciences/global-health-certificate/), European Studies (https://guide.wisc.edu/undergraduate/letters-science/institute-regional-international-studies/european-certificate/), and Digital Studies (p. 644). The History advising team is happy to discuss ways for you to make your intellectual and career goals work as part of a four-year plan (https://guide.wisc.edu/undergraduate/letters-science/history/history-ba/#fouryearplantext).

Honors in the Major

The Honors in the Major track in history is intended for students who are eager to experience the excitement of original historical research and who wish to graduate with the best possible undergraduate training in this discipline. Honors in the Major is especially appropriate for students who are considering graduate work in history or who want an especially advanced training in research, reasoning, and writing skills useful to a wide range of career choices. Students in this track write a thesis in their

senior year based on their own original historical research. Visit our website (https://history.wisc.edu/undergraduate-program/undergraduate-declaring/honors-in-the-history-major/) for more information on the thesis process and the requirements for Honors in the History Major.

CAREER ADVISING

History is a rigorous but flexible major, and history students are known for being excellent communicators and savvy researchers. Historians are experts in synthesizing disparate pieces of evidence into coherent, persuasive arguments. The real world is filled with disparate facts and incomplete sets of data, so this is a real-world skill that history alumni utilize throughout their entire careers. The department's career advisor, Christina Matta (https://history.wisc.edu/people/matta-christina/), helps History students map out future career plans and connects students to a variety of resources on campus and beyond, including history alumni who volunteer as career mentors (see below for more information).

Alumni of the history department have enjoyed careers in medical research and practice; broadcast and print media; sports management; museums, archives, and libraries; finance and business, and community service and nonprofit organizations—as well as law, academia, and many other fields. The History major provides excellent preparation for the study of law, but our students also go on to study medicine and many other graduate fields. The centers for Pre-Law Advising (https://prelaw.wisc.edu/) and Pre-Health Advising (https://prehealth.wisc.edu/) are especially helpful resources on campus for students interested in those areas of study.

History Careers Course: "History at Work"

HISTORY 300 History at Work: Professional Skills of the Major is a course intended to help History students understand how their degree applies to the world of work. Students explore how their history skills relate to the needs of professional employers and are guided in the process of finding and obtaining professional internships and jobs. In this course, History students can polish their written and oral communication skills in forms appropriate for professional situations and learn from the experiences of guest speakers from a variety of fields.

Internships

The Department of History recognizes the importance of internships in helping students develop professional skills and explore potential career paths. Positions can vary depending on availability and students' interests, but recent sponsors have included the Wisconsin State Historical Museum, the University of Wisconsin Archives, offices of elected officials in the Wisconsin State Legislature and United States Congress, the Milwaukee Brewers, and Community Shares of Wisconsin, just to name a few! History majors can also get academic credit in conjunction with an internship by taking HISTORY 301 History at Work: History Internship Seminar.

Alumni Mentoring

Like internships, networking can be a valuable tool in opening professional doors and learning more about the professional value of the History major. The department often matches students with alumni mentors drawn from our Board of Visitors (https://history.wisc.edu/alumni-and-friends/board-of-visitors/) and other graduates who can help them get started building a professional network, answer questions about a specific field, provide guidance in applying for jobs or preparing for interviews, and provide general career advice.

Students interested in participating in an internship or talking with an alumni mentor should meet with Christina Matta, the department's undergraduate career advisor, to discuss their interests and possible career goals.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The History Department is committed to integrating undergraduate historical study into the Wisconsin Experience (https://provost.wisc.edu/wisconsin-experience/), UW–Madison's vision for students' growth inside and outside the classroom. History students at UW–Madison have a wide range of opportunities available to help them make the most of their history coursework and carry the study of the past beyond the boundaries of the classroom.

OPPORTUNITIES FOR HISTORY STUDENTS

ARCHIVE

ARCHIVE *(*https://uwarchive.wordpress.com/*)* is an award-winning journal of historical work published annually by the UW–Madison chapter of Phi Alpha Theta. See *ARCHIVE's* website to view past volumes and find out how you could be published.

Phi Alpha Theta

Phi Alpha Theta (https://history.wisc.edu/undergraduate-program/academic-opportunities-student-life/phi-alpha-theta/) is a national history honors society whose purpose is to promote the study of history and to bring students, teachers, and writers of history together in intellectual and social ways. See the UW–Madison chapter's page for more information.

Language and Regional/International Studies

History classes and faculty are at the center of UW–Madison's remarkable collection of resource centers for area studies. The I (https://iris.wisc.edu/)nstitute for Regional and International Studies (https://iris.wisc.edu/) is the umbrella organization for UW–Madison's eight area studies programs. Students interested in these areas can combine their History certificate with a major in International Studies (p. 876) or any of the area studies majors and/or certificates. UW–Madison also has one of the largest selections of language instruction (https://languages.wisc.edu/) in the United States.

Study Abroad

History is a great certificate for students interested in studying abroad (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/history/) due to its flexibility and because history courses are available in most study abroad programs. The History Department encourages study abroad, and our advising team is happy to help students ensure that they are meeting degree requirements while studying abroad.

Wisconsin Historical Society

Scholars and researchers from all over the country (and the world) come to the Wisconsin Historical Society (https://www.wisconsinhistory.org/) (WHS) to do historical research. History students at UW–Madison simply walk across the street to make use of this world-class institution. The collections of the WHS are an amazing resource for our students and are utilized by a wide range of our courses. History students can also develop internships related to the WHS collections and programs. Students who are interested in the history of film and television often explore, or major in, Communication Arts (p. 620) and can also get involved with the Wisconsin Center for Film and Theater Research (http://wcftr.commarts.wisc.edu/).

Center for Campus History

The University of Wisconsin–Madison's Rebecca M. Blank Center for Campus History (https://campushistory.wisc.edu/) is an ongoing effort to uncover and give voice to those who experienced, challenged, and overcame prejudice on campus. Undergraduate students have been involved with the Center since its inception as the Public History Project in 2019, working as researchers conducting both archival research and oral history interviews with former students, faculty, and staff.

Public Humanities Exchange for Undergraduates (HEX-U)

The Public Humanities Exchange for Undergraduates (https://humanities.wisc.edu/public-humanities/exchange/) (HEX-U) is a high-impact program for undergraduate students at UW–Madison who wish to make meaningful connections between their humanities scholarship and the needs of the local community through new models of social engagement. The program provides training in community partnership, mentoring during project design and implementation, and project funding to small cohorts of undergraduate scholars as they plan and implement creative community projects in partnership with Dane County organizations.

The Nonviolence Project

The Nonviolence Project (https://thenonviolenceproject.wisc.edu/) is a comprehensive repository that educates and informs readers on the impact of nonviolent protests all over the world. From environmental issues to racial equality, the project showcases how nonviolence has been used to address many different issues by prominent world leaders and activists. The project aims to answer how and why nonviolence has been an effective sociopolitical tactic across different cultural, geographical, and political landscapes throughout history. The Nonviolence Project employs undergraduate student interns as researchers to help grow the repository of sources and present information to a broad audience.

Wisconsin 101: Our History in Objects

Wisconsin 101: Our History in Objects (https://wi101.wisc.edu/) is a collaborative public history project created through a partnership between the University of Wisconsin–Madison History Department, the Wisconsin Historical Society, and Wisconsin Public Radio's Wisconsin Life program. At its core, this project invites nonprofessional historians to profile objects from their daily lives and write short histories that contextualize those objects within local history, regional historical trends, and even international change. Wisconsin 101 provides valuable internship opportunities for undergraduate students throughout the state of Wisconsin. These internships offer experience for students interested in public humanities, material culture, local history, writing, and educational outreach or editing.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

THE HISTORY LAB

The History Lab is a resource center for undergraduate students studying, researching, and writing about the past. It is staffed by talented and experienced graduate students from the Department of History, and UW–Madison is one of only a handful of universities in the United States to have this kind of history-specific writing support.

Through individual and group tutoring, the lab focuses on honing students' abilities to form suitable topics, conduct research, develop arguments and thesis statements, cite evidence properly, and write using an effective process. The lab is also equipped to support challenges faced by English-language learners.

For more information or to make an appointment, see the History Lab website. (https://history.wisc.edu/undergraduate-program/the-history-lab/)

RESEARCH FELLOWSHIPS AND SCHOLARSHIPS

The Department of History is committed to supporting undergraduate achievement and encourages applications for the various scholarships and research fellowships made possible by the generosity of its donors. Scholarships are designed to reward outstanding History students and are awarded annually. Research fellowships allow undergraduates to pursue in-depth historical research under the guidance of History faculty. These awards help defray research costs such as supplies and travel expenses or pay for living expenses to allow students time to craft their papers and conduct research in UW Libraries.

Detailed instructions on how to apply can be found on the Department of History website (https://history.wisc.edu/undergraduate-program/academic-opportunities-student-life/scholarships-awards-and-prizes/). Applications need to be submitted online, via the Wisconsin Scholarship Hub (WISH) (https://wisc.academicworks.com/).

UNDERGRADUATE WRITING PRIZES

The History department offers over fifteen different prizes designed to reward a broad range of undergraduate writing—from senior theses to digital and public history projects to specialized essays in American Indian History and LGBTQ+ History. The prizes are made possible thanks to the tremendous generosity of our alumni and former members of our faculty. The History department expresses its gratitude for their support in recognizing the achievements of our undergraduates.

Detailed instructions on how to apply can be found on the Department of History website (https://history.wisc.edu/undergraduate-program/academic-opportunities-student-life/scholarships-awards-and-prizes/). Applications need to be submitted online, via the Wisconsin Scholarship Hub (WISH) (https://wisc.academicworks.com/).

HISTORY, BS

Why study history? (https://history.wisc.edu/undergraduate-program/history-careers/why-history/) History is so much more than memorizing names and dates. Are you interested in technology? Religion? The environment? Human rights? If you have a question, history can help you find an answer.

The History major is a great option for people who are interested in studying *change*. History asks, "How did the world get to be this way?" and "What factors might influence where the world is heading now?" Studying history helps us understand and grapple with complex questions and dilemmas by examining how the past has shaped—and continues to shape—global, national, and local relationships between societies and people. The skills that history students develop are used in a wide range of careers and prepare students for graduate or professional study in fields such as law, business, medicine, public policy, and much more.

The History major can also be combined with any other major in the College of Letters & Science, anything from Astronomy (p. 489) to Zoology (p. 1040). Majors that students most frequently pair with History are Economics (p. 666), English (http://guide.wisc.edu/undergraduate/letters-science/english/), Environmental Studies (p. 700), Journalism (p. 1310), and Political Science (p. 1249). History students can also choose to add certificates in Letters & Science or other colleges, such as certificates in Business (p. 1411) or Education and Educational Services (p. 1652). In addition to these, some of the most common certificates for History students are currently Criminal Justice (p. 548), Global Health (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/nutritional-sciences/global-health-certificate/), European Studies (https://guide.wisc.edu/undergraduate/letters-science/institute-regional-international-studies/european-certificate/), and Digital Studies (p. 644). The History advising team is happy to discuss ways for you to make your intellectual and career goals work as part of a four-year plan (https://guide.wisc.edu/undergraduate/letters-science/history/history-ba/#fouryearplantext).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.

Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students may use courses from History and History of Science to meet the requirements of the History major.[1] A minimum of 30 credits in the major is required, including:

CHRONOLOGICAL BREADTH:

History majors must complete at least one course that deals with the history of Europe and/or the Mediterranean before C.E. 1500 or with the history of Africa or Asia before these areas fell heavily under European influence.

Chronological Breadth Courses

Code	Title	Credits
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 200	Historical Studies (Carnage in Rome)	3-4
HISTORY 200	Historical Studies (Sparta)	3-4
HIST SCI 201	The Origins of Scientific Thought	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
HISTORY 201	The Historian's Craft (Death Public Mourning in Rome)	3-4
HISTORY 201	The Historian's Craft (Carnage in Rome)	3-4
HISTORY 201	The Historian's Craft (Religion in Roman Africa)	3-4
HISTORY 201	The Historian's Craft (Byzantine Empresses)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY 223	Explorations in European History (H) (Roman Gladiators)	3-4
HISTORY 223	Explorations in European History (H) (Medieval Law and Society)	3-4
HISTORY 223	Explorations in European History (H) (Roman Woman)	3-4
HISTORY 223	Explorations in European History (H) (The Vikings: Fact and Fiction)	3-4
HISTORY 223	Explorations in European History (H) (Warfare in the Middle Ages)	3-4
HISTORY 223	Explorations in European History (H) (Roman Women and Men)	3-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3

GEOGRAPHIC BREADTH:

At minimum, history majors must complete one course from four of the eight geographic breadth categories.

Geographic Breadth: European History Courses

Code	Title	Credits
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 124	Britain since 1688	4
HIST SCI 201	The Origins of Scientific Thought	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3

HISTORY 201	The Historian's Craft (1945)	3-4
HISTORY 201	The Historian's Craft (Mercenaries Pirates E.Mod Med)	3-4
HISTORY 201	The Historian's Craft (Death Public Mourning in Rome)	3-4
HISTORY 201	The Historian's Craft (Witches and Saints)	3-4
HISTORY 201	The Historian's Craft (Carnage in Rome)	3-4
HISTORY 201	The Historian's Craft (Dems Dictators in SpainItaly)	3-4
HISTORY 201	The Historian's Craft (French Revolution)	3-4
HISTORY 201	The Historian's Craft (Jul-14)	3-4
HISTORY 201	The Historian's Craft (WWII's Eastern Front)	3-4
HISTORY 201	The Historian's Craft (Belief Unbelief in Mod Eur)	3-4
HISTORY 201	The Historian's Craft (18th-Century Europe)	3-4
HISTORY 201	The Historian's Craft (History European Sexuality)	3-4
HISTORY 201	The Historian's Craft (Byzantine Empresses)	3-4
HISTORY 201	The Historian's Craft (Weimar Rep. Rise Of Nazism)	3-4
HISTORY 201	The Historian's Craft (1945 in Europe)	3-4
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)	3-4
HISTORY 201	The Historian's Craft (Supernatural in Early Modern Europe)	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY 223	Explorations in European History (H)	3-4
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
HISTORY 270	Eastern Europe since 1900	3-4
HISTORY 271	History Study Abroad: European History	1-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ JEWISH 310	The Holocaust	3-4
HISTORY/ HIST SCI 323	The Scientific Revolution: From Copernicus to Newton	3
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 348	France from Napoleon to the Great War, 1799-1914	3-4
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY 357	The Second World War	3-4
HISTORY 358	French Revolution and Napoleon	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe	3-4
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics	3
HISTORY 417	History of Russia	3-4
HISTORY 418	History of Russia	3-4
HISTORY 419	History of Soviet Russia	3-4
HISTORY 420	Russian Social and Intellectual History	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	3
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ ED POL 478	Comparative History of Childhood and Adolescence	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3

HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
HISTORY/ SCAND ST 577	Contemporary Scandinavia: Politics and History	3-4

Geographic Breadth: African History Courses

Code	Title	Credits
HISTORY/ AFRICAN 106	Introduction to African History	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (African Decolonization)	3-4
HISTORY 201	The Historian's Craft (Islam in the African Diaspora)	3-4
HISTORY 201	The Historian's Craft (African Diaspora)	3-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4

Geographic Breadth: Central or East Asian History Courses

Code	Title	Credits
HISTORY/ASIAN 103	Introduction to East Asian History: China	3-4
HISTORY/ASIAN 104	Introduction to East Asian History: Japan	3-4
HISTORY/ASIAN 108	Introduction to East Asian History - Korea	3-4
HISTORY 201	The Historian's Craft (Shanghai Life and Crime)	3-4
HISTORY 201	The Historian's Craft (The Korean War)	3-4
HISTORY 201	The Historian's Craft (End of Empire:OccupationP.War)	3-4
HISTORY 201	The Historian's Craft (Japan after 1945)	3-4
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY 340	Cultural History of Korea	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY/ ASIAN 363	China and World War II in Asia	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4

Geographic Breadth: South or Southeast Asian History Courses

Code	Title	Credits
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 201	The Historian's Craft (Camera as Historian)	3-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4

Geographic Breadth: Latin American History Courses

Code	Title	Credits
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (Nation Breakers, Nation Makers)	3-4
HISTORY 201	The Historian's Craft (Afterlives of the War of 1898)	3-4
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	3
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3

Geographic Breadth: Middle Eastern History Courses

Code	Title	Credits
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY 200	Historical Studies (Ottoman Empire to Modern Turkey)	1-4
HISTORY 201	The Historian's Craft (Tech. Rev. in Middle East)	3-4
HISTORY 201	The Historian's Craft (Middle East History in the Midwest US)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4

Geographic Breadth: Transnational History Courses

Code	Title	Credits
HIST SCI/ENVIR ST/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
HISTORY 130	An Introduction to World History	3-4
HIST SCI/HISTORY/ MED HIST 132	Bees, Trees, Germs, and Genes: A History of Biology	3
HISTORY 133	Global Military History (5000 BCE - Present)	3-4
HIST SCI 133	Biology and Society, 1950 - Today	3
HISTORY/ GEN&WS 134	Women and Gender in World History	3-4
HISTORY 137	The History of War in Film	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 146	A Global History of Now	3-4
HIST SCI 150	The Digital Age	3
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HIST SCI 160	Engineering Inequality: Technology and Inequity Throughout History	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (The Cold War Asia)	3-4
HISTORY 201	The Historian's Craft (Revolutionary Undergrounds in Eurasia)	3-4
HISTORY 201	The Historian's Craft (Global Christianities)	3-4
HISTORY 201	The Historian's Craft (Russia and America)	3-4
HISTORY 201	The Historian's Craft (Catholic Church and the World)	3-4
HISTORY 201	The Historian's Craft (The History of Contraception)	3-4
HISTORY 201	The Historian's Craft (Love in History)	3-4
HISTORY 201	The Historian's Craft (Human Rights Global History)	3-4
HISTORY 201	The Historian's Craft (History of Humanitarianism)	3-4
HISTORY 201	The Historian's Craft (Cold War on Ice: 1972)	3-4
HISTORY 201	The Historian's Craft (Postcolonialism)	3-4
HISTORY 201	The Historian's Craft (Immigration the US-MX Border)	3-4
HISTORY 201	The Historian's Craft (The Cold War)	3-4
HISTORY 201	The Historian's Craft (History Of Mass Confinement)	3-4
HISTORY 201	The Historian's Craft (The History Of Data)	3-4
HISTORY 201	The Historian's Craft (Oil Mining in World History)	3-4
HISTORY 201	The Historian's Craft (Middle East History in the Midwest US)	3-4
HIST SCI 202	The Making of Modern Science	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	3
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities)	3
HISTORY/ LEGAL ST 235	Prisons: From Antiquity to Supermax	3-4
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ CHICLA/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	3-4
HISTORY 274	History Study Abroad: Transnational/Global History	1-4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HIST SCI 343	The Darwinian Revolution	3
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY 357	The Second World War	3-4
HISTORY/ INTL ST 375	The Cold War - From World War II to End of Soviet Empire	3-4
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800	3
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ ENVIR ST 465	Global Environmental History	3-4

HISTORY/ LEGAL ST 510	Legal Pluralism	3
HIST SCI/MED HIST/ POP HLTH 553	International Health and Global Society	3
HISTORY 607	The American Impact Abroad: The Historical Dimension	3

Geographic Breadth: U.S. History Courses

Code	Title	Credits
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4
HISTORY 102	American History, Civil War Era to the Present	4
HISTORY 109	Introduction to U.S. History	3-4
HISTORY 136	Sport, Recreation, & Society in the United States	3-4
HIST SCI 150	The Digital Age	3
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HISTORY/ CHICLA 152	The United States West Since 1850	3-4
HISTORY/ CHICLA 153	Latina/Latino/Latinx History	3-4
HISTORY 154	Who is an American?	3-4
HISTORY 155	The Long Black Freedom Struggle from the Civil War to the Present	3-4
HISTORY/ ASIAN AM 160	Asian American History: Movement and Dislocation	3-4
HISTORY/ ASIAN AM 161	Asian American History: Settlement and National Belonging	3-4
HISTORY/ AMER IND 190	Introduction to American Indian History	3-4
HISTORY 201	The Historian's Craft (Women US History)	3-4
HISTORY 201	The Historian's Craft (Recording Latinx History in WI)	3-4
HISTORY 201	The Historian's Craft (The Hist of WI in 100 Objects)	3-4
HISTORY 201	The Historian's Craft (Your Parents' Generation)	3-4
HISTORY 201	The Historian's Craft (WI History Material Culture)	3-4
HISTORY 201	The Historian's Craft (World of Alexander Hamilton)	3-4
HISTORY 201	The Historian's Craft (American Revolutions)	3-4
HISTORY 201	The Historian's Craft (Relig American Culture Wars)	3-4
HISTORY 201	The Historian's Craft (Hist. of Transience in Amer.)	3-4
HISTORY 201	The Historian's Craft (Heroes and Amazons in Sports)	3-4
HISTORY 201	The Historian's Craft (History of Now)	3-4
HISTORY 201	The Historian's Craft (Race Belonging In Midwest)	3-4
HISTORY 201	The Historian's Craft (History of Banned Books in the US)	3-4
HISTORY 201	The Historian's Craft (American Indian and Indigenous History)	3-4
HISTORY 201	The Historian's Craft (Indian Removal)	3-4
HISTORY 201	The Historian's Craft (Homeland, Home Town: Native and Settler Places)	3-4
HISTORY/ JEWISH 213	Jews and American Pop. Culture	3-4
HIST SCI 218	History of Twentieth Century American Medicine	3
HISTORY/ JEWISH 219	The American Jewish Experience: From Shtetl to Suburb	4
HISTORY 221	Explorations in American History (H)	3-4
HISTORY/ LEGAL ST 261	American Legal History to 1860	3
HISTORY/ LEGAL ST 262	American Legal History, 1860 to the Present	3
HISTORY 272	History Study Abroad: United States History	1-4
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 306	The United States Since 1945	3-4
HISTORY/ AFROAMER 321	Afro-American History Since 1900	3-4
HISTORY/ AFROAMER 322	African American History to 1900	3
HISTORY 329	History of American Capitalism	4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY 345	Military History of the United States	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	3-4
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 401	Public History Workshop (Wisconsin 101)	3
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY 427	The American Military Experience to 1902	3-4
HISTORY 428	The American Military Experience Since 1899	3-4
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3

HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
HISTORY/ ECON 466	The American Economy Since 1865	3-4
HISTORY 500	Reading Seminar in History (Biography in US Sports History)	3
HIST SCI/ MED HIST 509	The Development of Public Health in America	3
HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	3
HIST SCI/GEN&WS/ MED HIST 531	Women and Health in American History	3
HIST SCI/GEN&WS/ MED HIST 532	The History of the (American) Body	3
HIST SCI/ GEN&WS 537	Childbirth in the United States	3
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 607	The American Impact Abroad: The Historical Dimension	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3

NOTES ON HISTORY BREADTH REQUIREMENTS

- Breadth courses may be taken in any order.
- Chronological Breadth courses may also count toward a Geographic Breadth category.
- Some courses qualify for more than one Geographic Breadth area, but a course may only count for one Geographic Breadth category for the purposes of meeting the requirement.
- Topics courses (HISTORY 200, HISTORY 201, HISTORY 221, HISTORY 223, HISTORY 225, HISTORY 227, HISTORY 229, HISTORY 271, HISTORY 272, HISTORY 273, HISTORY HIST SCI 280, HISTORY 283, HIST SCI 286, HIST SCI 350 & HISTORY 500) may count for Geographic and/or Chronological Breadth. For topics courses, see the course notes for current breadth information.
- The following courses **may not be used** for breadth in the major: HISTORY 199, HIST SCI 555HISTORY 600, HISTORY 680, HISTORY 681, HIST SCI 681, HISTORY 682, HIST SCI 682, HISTORY 690, HISTORY 691, HIST HIST SCI 699.

HISTORY WRITING AND RESEARCH SEQUENCE:

History majors must complete both of the following:

- Students are encouraged to complete one of HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology as early as possible.
- HISTORY 600 Advanced Seminar in History or HIST SCI 555 Undergraduate Seminar in History of Science, to be taken after satisfactory completion of either HISTORY 201 or HIST SCI 211. Enrolling in a HISTORY 600 or HIST SCI 555 seminar requires instructor consent. Available seminars can be found on the history department website (https://history.wisc.edu/history600-seminars/).

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in HISTORY/HISTORY of SCIENCE and all other major courses
- 2.000 GPA on 15 upper-level major credits in residence[2]
- 15 credits HISTORY and/or HISTORY of SCIENCE taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the History Major in consultation with the History undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in History, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall University GPA
- Earn a 3.500 GPA in all HISTORY and HISTORY of SCIENCE courses and all other major courses
- Complete at least 36 total credits in HISTORY and HISTORY of SCIENCE coursework, 21 of which must be upper-level credits in residence[2]
- Complete at least 15 Honors credits in HISTORY or HISTORY of SCIENCE coursework
- Complete a two-semester Senior Honors Thesis, a piece of original work of approximately forty pages, in either HISTORY 681–HISTORY 682 or HIST SCI 681–HIST SCI 682, taken in conjunction with the HISTORY 680 Honors Thesis Colloquium both semesters. The thesis must be approved by instructors in both the thesis and colloquium courses.

FOOTNOTES

1 ILS 201 and ILS 202 may also be used to complete the requirements of the History major, including the requirements for Honors in the Major.

2 Major courses with Intermediate or Advanced Level are counted as upper-level in the History major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Find and interpret diverse evidence to explain complex changes over time
2. Communicate effectively to a variety of audiences in writing and speech
3. Use an understanding of many perspectives to work with people and solve complex problems
4. Seek to understand differing views and ways of being in the world
5. Identify the skills developed in the study of history and articulate their applicability to a variety of professional and intellectual endeavors

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
History Breadth[1]	4	History course for the Ethnic Studies Requirement (complete within 1st 60 credits)[2]	4
Communication Part A (Complete during your first year)	3	Biological Science Breadth[3]	3
Quantitative Reasoning Part A (complete during your first year)	3	Literature Breadth	3
Foreign Language (if necessary)	4	Elective or Course for Second Major[4]	4
	14		**14**

Second Year

Fall	Credits	Spring	Credits
HISTORY 201 (counts toward Communication Part B)[5]	4	History Breadth	4
HIST SCI 211 (may be taken instead of History 201)		History Elective	3
Quantitative Reasoning Part B (I/A Comp Sci, Math, or Stats if required for the BS)	3	Physical Science Breadth	3
History Elective or Course for Second Major	3	Elective or Course for Second Major	3
Elective or Course for Second Major	3	Elective or Course for Second Major	3
Elective or Course for Second Major	3		
	16		**16**

Third Year

Fall	Credits	Spring	Credits
Declare the Major (before 86 credits)*		History Breadth	4
History Breadth	3	HISTORY 301 (optional)	1
HISTORY 300[6]	2	Science Breadth	3
I/A Comp Sci, Math, or Stats (if required for the BS)	3	Elective or Course for Second Major	3
Literature Breadth	3	Elective or Course for Second Major	3
Elective or Course for Second Major	4		
	15		**14**

Fourth Year

Fall	Credits	Spring	Credits
Complete Remaining L&S Requirements**		History Elective	4
HISTORY 600[7]	3	Science Breadth	3
HIST SCI 555 (may be taken instead of History 600)		Elective or Course for Second Major	3
Elective or Course for Second Major	4	Elective or Course for Second Major	3
Elective or Course for Second Major	4	Elective or Course for Second Major	3
Elective or Course for Second Major	4		
	15		**16**

Total Credits 120

1 The History Breadth requirements are very flexible. History majors must complete Chronological Breadth (one course) and take at least one course from four of the eight Geographical Breadth categories. A single course may count toward both Chronological and Geographic Breadth, if appropriate. (For example, a course on Ancient Rome would count toward Chronological Breadth and European History.) HISTORY 201 may also count toward History Breadth requirements.

2 Some examples of History courses that count toward the Ethnic Studies Requirement are: HISTORY/CHICLA 152 The United States West Since 1850, HISTORY/ASIAN AM 160 Asian American History: Movement and Dislocation, & HISTORY/JEWISH 213 Jews and American Pop. Culture.

3 Some L&S Breadth requirements will be satisfied with History coursework. History classes will complete the additional Humanities

Breadth credits (the Humanities credits that are not Literature) and may also complete Social Science Breadth.

[4] History is a flexible major and can be combined with a wide range of other majors and certificates. We encourage students to be thoughtful in how they approach their elective credits, whether that means pursuing an additional major or creating an individual plan of study that draws from multiple disciplines.

[5] HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology may be taken as soon as you have completed the Communication A requirement. Students should try to complete the Historian's Craft by the end of the second year.

[6] History offers two optional careers courses that expose students to, and prepare them for, the wide range of careers pursued by history majors: HISTORY 300 & HISTORY 301. History at Work: Professional Skills of the Major (HISTORY 300) connects students to History alumni in different fields and helps develop essential career skills related to the value of the major. History at Work: History Internship Seminar (HISTORY 301) allows students to receive credit toward their major requirements for work associated with an internship.

[7] HISTORY 600 or HIST SCI 555 may be taken at any point after a student has completed either HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology. History 600s and History of Science 555 are offered on a variety of topics every semester and they provide students with the rich experience of a small, faculty-led seminar. They may be taken for credit more than once as long as the topics are different.

* Students must declare a major by the time they reach 86 credits.

** Please refer to the Requirements tab in Guide for College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with a History major should enter the University with a minimum of 18 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 combined credits of Humanities, Social Science, Natural Science, or elective coursework
- 4 units of foreign language

This plan also assumes that History major coursework at UW-Madison will satisfy 6 credits of Humanities breadth (the Humanities credits that are not Literature) and 9 credits of Social Science breadth. Most History majors pursue the BA in History, but it is also possible to complete the BS and History major requirements in three years.

This plan assumes that students will complete a total of 9 credits over three summers. Summer is an opportunity to make progress toward various requirements. UW-Madison's summer course offerings include a large number of online courses, which give students more flexibility for their summer schedules. For students on an accelerated path, summer is also great time to study abroad.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
History Breadth[1]	4	HISTORY course with the Ethnic Studies designation (complete within 1st 60 credits)[3]	4	Elective or Course for Second Major	3
History Breadth	4	Elective or Course for Second Major[4]	4		
Biological Science Breadth	3	Quantitative Reasoning Part B (Intermediate or Advanced COMP SCI, MATH, or STAT if BS)	3		
Foreign Language (if pursuing retroactive credit)[2]	4	Literature Breadth	3		
		HISTORY 300 (optional or Elective)[5]	2		
	15		**16**		**3**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
HISTORY 201	4	History Breadth	4	Elective (Intermediate or Advanced level) or Course for Second Major	3
HIST SCI 211 (may be taken instead of History 201)		History Breadth or Elective	4		
Social Science Breadth	3	Physical Science Breadth	4		
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS)	3	Elective (Intermediate or Advanced level) or Course for Second Major	4		

Elective or Course for Second Major	4			
HISTORY 301 (optional or Elective)	1			
	15		**16**	**3**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
HISTORY 600[6]	3	History Elective	3	Elective (Intermediate or Advanced level) or Course for Second Major	3
HIST SCI 555 (may be taken instead of History 600)		Literature Breadth	3		
Science Breadth	4	Science Breadth	3		
Electives (Intermediate or Advanced level) or Courses for Second Major	8	Electives (Intermediate or Advanced level) or Courses for Second Major	7		
	15		**16**		**3**

Total Credits 102

1. The History Breadth requirements are very flexible. Students should refer to the Requirements page for the History major for details on approved overlap between types of breadth in the major.
2. Even though students with 4 units of foreign language do not need to complete additional foreign language coursework, UW-Madison's retroactive credit policy (https://kb.wisc.edu/ls/23736/) can be very helpful for those pursuing an early graduation.
3. Some examples of History courses that count toward the Ethnic Studies Requirement are: HISTORY/CHICLA 152, ASIAN AM/HISTORY 160, & JEWISH/HISTORY 213.
4. History is a flexible major and can be combined with a wide range of other majors and certificates. For students hoping to double major and graduate early, it is especially important to work closely with academic advisors in both majors. We encourage all students to be thoughtful in how they approach their elective credits, whether that means pursuing an additional major or creating an individual plan of study that draws from multiple disciplines.
5. History offers two optional careers courses that expose students to, and prepare them for, the wide range of careers pursued by history majors: HISTORY 300 & HISTORY 301. History at Work: Professional Skills of the Major (HISTORY 300) connects students to History alumni in different fields and helps develop essential career skills related to the value of the major. History at Work: History Internship Seminar (HISTORY 301) allows students to receive credit toward their major requirements for work associated with an internship.
6. HISTORY 600 or HIST SCI 555 may be taken at any point after a student has completed either HISTORY 201 The Historian's Craft or HIST SCI 211 The Historian's Craft: Science, Medicine, and Technology. History 600s and History of Science 555 are offered on a variety of topics every semester; each course provides students with the rich experience of a small, faculty-led seminar. These seminars may be taken for credit more than once as long as the topics are different. Students who choose to pursue Honors in the History major should complete HISTORY 600 or HIST SCI 555 in Year Two so that they can write a Senior honors thesis in Year Three.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE HISTORY MAJOR

Students interested in declaring (or cancelling) a History major should fill out the History Major/Certificate Declaration Form (https://history.wisc.edu/undergraduate-program/declaring-the-history-major-or-certificate/). There are no prerequisites for declaring a History major, and students are encouraged to declare as soon as they feel comfortable doing so. All students are strongly encouraged to make an advising appointment after declaring and are also welcome to meet with an advisor before declaring. More information about advising and the major is available below and on the undergraduate section (https://history.wisc.edu/undergraduate-program/) of the department website.

ACADEMIC ADVISING

Students who are declared or interested in the History major have numerous advising resources available to them. The History advising team is comprised of professional and peer advisors who are excited to talk with students about everything from academic planning to professional development for future careers. Information on the history advising team and how to contact an advisor can be found on our website (https://history.wisc.edu/undergraduate-program/undergraduate-advising/). You can set up an appointment with one of our advisors by using the History Department Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/64599) page.

The History major can also be combined with any other major in the College of Letters & Science, anything from Astronomy (p. 489) to Zoology (https://guide.wisc.edu/undergraduate/letters-science/history/history-bs/undergraduate/letters-science/integrative-biology/zoology-bs/). Majors that students most frequently pair with History are Economics (p. 666), English (http://guide.wisc.edu/undergraduate/letters-science/english/), Environmental Studies (p. 700), Journalism (p. 1310), and Political Science (p. 1249). History students can also choose to add certificates in Letters & Science or other colleges, such as certificates in Business (p. 1411) or Education and Educational Services (p. 1652). In addition to these, some of the most common certificates for History students are currently Criminal Justice (p. 548), Global Health (https://guide.wisc.edu/undergraduate/agricultural-life-sciences/nutritional-sciences/global-health-certificate/), European Studies (https://guide.wisc.edu/undergraduate/letters-science/institute-regional-international-studies/european-certificate/), and Digital Studies (p. 644). The History advising team is happy to discuss ways for you to make your intellectual and career goals work as part of a four-year plan (https://guide.wisc.edu/undergraduate/letters-science/history/history-ba/#fouryearplantext).

Honors in the Major

The Honors in the Major track in history is intended for students who are eager to experience the excitement of original historical research and who wish to graduate with the best possible undergraduate training in this discipline. Honors in the Major is especially appropriate for students who are considering graduate work in history or who want an especially advanced training in research, reasoning, and writing skills useful to a wide range of career choices. Students in this track write a thesis in their

senior year based on their own original historical research. Visit our website (https://history.wisc.edu/undergraduate-program/undergraduate-declaring/honors-in-the-history-major/) for more information on the thesis process and the requirements for Honors in the History Major.

CAREER ADVISING

History is a rigorous but flexible major, and history students are known for being excellent communicators and savvy researchers. Historians are experts in synthesizing disparate pieces of evidence into coherent, persuasive arguments. The real world is filled with disparate facts and incomplete sets of data, so this is a real-world skill that history alumni utilize throughout their entire careers. The department's career advisor, Christina Matta (https://history.wisc.edu/people/matta-christina/), helps History students map out future career plans and connects students to a variety of resources on campus and beyond, including history alumni who volunteer as career mentors (see below for more information).

Alumni of the history department have enjoyed careers in medical research and practice; broadcast and print media; sports management; museums, archives, and libraries; finance and business, and community service and nonprofit organizations—as well as law, academia, and many other fields. The History major provides excellent preparation for the study of law, but our students also go on to study medicine and many other graduate fields. The centers for Pre-Law Advising (https://prelaw.wisc.edu/) and Pre-Health Advising (https://prehealth.wisc.edu/) are especially helpful resources on campus for students interested in those areas of study.

History Careers Course: "History at Work"

HISTORY 300 History at Work: Professional Skills of the Major is a course intended to help History students understand how their degree applies to the world of work. Students explore how their history skills relate to the needs of professional employers and are guided in the process of finding and obtaining professional internships and jobs. In this course, History students can polish their written and oral communication skills in forms appropriate for professional situations and learn from the experiences of guest speakers from a variety of fields.

Internships

The Department of History recognizes the importance of internships in helping students develop professional skills and explore potential career paths. Positions can vary depending on availability and students' interests, but recent sponsors have included the Wisconsin State Historical Museum, the University of Wisconsin Archives, offices of elected officials in the Wisconsin State Legislature and United States Congress, the Milwaukee Brewers, and Community Shares of Wisconsin, just to name a few! History majors can also get academic credit in conjunction with an internship by taking HISTORY 301 History at Work: History Internship Seminar.

Alumni Mentoring

Like internships, networking can be a valuable tool in opening professional doors and learning more about the professional value of the History major. The department often matches students with alumni mentors drawn from our Board of Visitors (https://history.wisc.edu/alumni-and-friends/board-of-visitors/) and other graduates who can help them get started building a professional network, answer questions about a specific field, provide guidance in applying for jobs or preparing for interviews, and provide general career advice.

Students interested in participating in an internship or talking with an alumni mentor should meet with Christina Matta, the department's undergraduate career advisor, to discuss their interests and possible career goals.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

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The History Department is committed to integrating undergraduate historical study into the Wisconsin Experience (https://provost.wisc.edu/wisconsin-experience/), UW–Madison's vision for students' growth inside and outside the classroom. History students at UW–Madison have a wide range of opportunities available to help them make the most of their history coursework and carry the study of the past beyond the boundaries of the classroom.

OPPORTUNITIES FOR HISTORY STUDENTS

ARCHIVE

ARCHIVE *(*https://uwarchive.wordpress.com/*)* is an award-winning journal of historical work published annually by the UW–Madison chapter of Phi Alpha Theta. See *ARCHIVE's* website to view past volumes and find out how you could be published.

Phi Alpha Theta

Phi Alpha Theta (https://history.wisc.edu/undergraduate-program/academic-opportunities-student-life/phi-alpha-theta/) is a national history honors society whose purpose is to promote the study of history and to bring students, teachers, and writers of history together in intellectual and social ways. See the UW–Madison chapter's page for more information.

Language and Regional/International Studies

History classes and faculty are at the center of UW–Madison's remarkable collection of resource centers for area studies. The I (https://iris.wisc.edu/)nstitute for Regional and International Studies (https://iris.wisc.edu/) is the umbrella organization for UW–Madison's eight area studies programs. Students interested in these areas can combine their History certificate with a major in International Studies (p. 876) or any of the area studies majors and/or certificates. UW–Madison also has one of the largest selections of language instruction (https://languages.wisc.edu/) in the United States.

Study Abroad

History is a great certificate for students interested in studying abroad (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/history/) due to its flexibility and because history courses are available in most study abroad programs. The History Department encourages study abroad, and our advising team is happy to help students ensure that they are meeting degree requirements while studying abroad.

Wisconsin Historical Society

Scholars and researchers from all over the country (and the world) come to the Wisconsin Historical Society (https://www.wisconsinhistory.org/) (WHS) to do historical research. History students at UW–Madison simply walk across the street to make use of this world-class institution. The collections of the WHS are an amazing resource for our students and are utilized by a wide range of our courses. History students can also develop internships related to the WHS collections and programs. Students who are interested in the history of film and television often explore, or major in, Communication Arts (p. 620) and can also get involved with the Wisconsin Center for Film and Theater Research (http://wcftr.commarts.wisc.edu/).

Center for Campus History

The University of Wisconsin–Madison's Rebecca M. Blank Center for Campus History (https://campushistory.wisc.edu/) is an ongoing effort to uncover and give voice to those who experienced, challenged, and overcame prejudice on campus. Undergraduate students have been involved with the Center since its inception as the Public History Project in 2019, working as researchers conducting both archival research and oral history interviews with former students, faculty, and staff.

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The Public Humanities Exchange for Undergraduates (https://humanities.wisc.edu/public-humanities/exchange/) (HEX-U) is a high-impact program for undergraduate students at UW–Madison who wish to make meaningful connections between their humanities scholarship and the needs of the local community through new models of social engagement. The program provides training in community partnership, mentoring during project design and implementation, and project funding to small cohorts of undergraduate scholars as they plan and implement creative community projects in partnership with Dane County organizations.

The Nonviolence Project

The Nonviolence Project (https://thenonviolenceproject.wisc.edu/) is a comprehensive repository that educates and informs readers on the impact of nonviolent protests all over the world. From environmental issues to racial equality, the project showcases how nonviolence has been used to address many different issues by prominent world leaders and activists. The project aims to answer how and why nonviolence has been an effective sociopolitical tactic across different cultural, geographical, and political landscapes throughout history. The Nonviolence Project employs undergraduate student interns as researchers to help grow the repository of sources and present information to a broad audience.

Wisconsin 101: Our History in Objects

Wisconsin 101: Our History in Objects (https://wi101.wisc.edu/) is a collaborative public history project created through a partnership between the University of Wisconsin–Madison History Department, the Wisconsin Historical Society, and Wisconsin Public Radio's Wisconsin Life program. At its core, this project invites nonprofessional historians to profile objects from their daily lives and write short histories that contextualize those objects within local history, regional historical trends, and even international change. Wisconsin 101 provides valuable internship opportunities for undergraduate students throughout the state of Wisconsin. These internships offer experience for students interested in public humanities, material culture, local history, writing, and educational outreach or editing.

RESOURCES AND SCHOLARSHIPS

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THE HISTORY LAB

The History Lab is a resource center for undergraduate students studying, researching, and writing about the past. It is staffed by talented and experienced graduate students from the Department of History, and UW–Madison is one of only a handful of universities in the United States to have this kind of history-specific writing support.

Through individual and group tutoring, the lab focuses on honing students' abilities to form suitable topics, conduct research, develop arguments and thesis statements, cite evidence properly, and write using an effective process. The lab is also equipped to support challenges faced by English-language learners.

For more information or to make an appointment, see the History Lab website. (https://history.wisc.edu/undergraduate-program/the-history-lab/)

RESEARCH FELLOWSHIPS AND SCHOLARSHIPS

The Department of History is committed to supporting undergraduate achievement and encourages applications for the various scholarships and research fellowships made possible by the generosity of its donors. Scholarships are designed to reward outstanding History students and are awarded annually. Research fellowships allow undergraduates to pursue in-depth historical research under the guidance of History faculty. These awards help defray research costs such as supplies and travel expenses or pay for living expenses to allow students time to craft their papers and conduct research in UW Libraries.

Detailed instructions on how to apply can be found on the Department of History website (https://history.wisc.edu/undergraduate-program/academic-opportunities-student-life/scholarships-awards-and-prizes/). Applications need to be submitted online, via the Wisconsin Scholarship Hub (WISH) (https://wisc.academicworks.com/).

UNDERGRADUATE WRITING PRIZES

The History department offers over fifteen different prizes designed to reward a broad range of undergraduate writing—from senior theses to digital and public history projects to specialized essays in American Indian History and LGBTQ+ History. The prizes are made possible thanks to the tremendous generosity of our alumni and former members of our faculty. The History department expresses its gratitude for their support in recognizing the achievements of our undergraduates.

Detailed instructions on how to apply can be found on the Department of History website (https://history.wisc.edu/undergraduate-program/academic-opportunities-student-life/scholarships-awards-and-prizes/). Applications need to be submitted online, via the Wisconsin Scholarship Hub (WISH) (https://wisc.academicworks.com/).

HISTORY, CERTIFICATE

Why study history? (https://history.wisc.edu/undergraduate-program/history-careers/why-history/) History is so much more than memorizing names and dates. Are you interested in technology? Religion? The environment? Human rights? If you have a question, history can help you find an answer.

The Certificate in History at UW–Madison is a great option for people who are interested in studying change (https://history.wisc.edu/undergraduate-program/history-careers/why-history/). History asks, "How did the world get to be this way?" and "What factors might influence where the world is heading now?" Studying history helps us understand and grapple with complex questions and dilemmas by examining how the past has shaped—and continues to shape—global, national, and local relationships between societies and people. The skills that history students develop are used in a wide range of careers and prepare students for graduate or professional study in fields such as law, business, medicine, public policy, and much more.

HOW TO GET IN

HOW TO GET IN

There are no prerequisites for declaring the History Certificate, and students are encouraged to declare as soon as they feel comfortable doing so. Students in all UW-Madison schools and colleges may declare the History Certificate. To declare, students should fill out the History Major/Certificate Declaration Form (https://history.wisc.edu/undergraduate-program/declaring-the-history-major-or-certificate/). All students are strongly encouraged to make an advising appointment after declaring and are also welcome to meet with an advisor before declaring. More information about advising and the certificate is available on the undergraduate section (https://history.wisc.edu/undergraduate-program/) of the History Department website. History Majors are not eligible to declare the History Certificate.

REQUIREMENTS

REQUIREMENTS

Students may use courses from HISTORY and HIST SCI to meet the requirements of the History certificate. The certificate requires 15 total credits/5 courses, including:

Code	Title	Credits
History Research and Writing Course (complete one):		**3**
HISTORY 201	The Historian's Craft	
HIST SCI 211	The Historian's Craft: Science, Medicine, and Technology	
(HISTORY 201 or HIST SCI 211 should be completed before the Capstone)		
Elective Coursework		
Any undergraduate courses in HISTORY or HIST SCI may be used to count toward the elective coursework requirement, as well as the following: ILS 201, ILS 202. Students are strongly encouraged to meet with an academic advisor or faculty mentor to select a group of courses that fits well with their interests and fulfills their academic or career goals.		
One Intermediate or Advanced HISTORY or HIST SCI course		3
Two additional courses in HISTORY or HIST SCI at any level		6
Capstone Course		**3**
Complete at least one of the following:		
HISTORY 401	Public History Workshop	
HISTORY 500	Reading Seminar in History	
HIST SCI 555	Undergraduate Seminar in History of Science	
HISTORY 600	Advanced Seminar in History	
Total Credits		**15**

RESIDENCE & QUALITY OF WORK

RESIDENCE & QUALITY OF WORK

- At least 12 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

NOTES

Up to 3 credits awarded for approved examinations (e.g. AP or IB) or a transfer course may count toward elective coursework. The 12-credit residence requirement is meant to encourage students to engage with UW-Madison faculty and advisors and to choose their elective coursework intentionally. Ideally, these courses will complement their major or be related to other intellectual or career interests.

CERTIFICATE COMPLETION REQUIREMENT

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This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Pose a historical question and explain its academic and public implications.
2. Present original and coherent findings through clearly written, persuasive arguments and narratives.
3. Examine the context in which primary sources were created, search for chronological and other relationships among them, and assess the sources in light of that knowledge.
4. Identify primary sources available to engage the historical problem under investigation.
5. Use appropriate research procedures and finding aids to find the secondary resources in history and other disciplines available to answer a historical question.
6. Use appropriate presentation formats and platforms to share information with academic and/or public audiences.

ADVISING AND CAREERS

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ACADEMIC ADVISING

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MEDIEVAL STUDIES, CERTIFICATE

The Medieval Studies certificate offers students interdisciplinary perspectives on the history and culture of Europe and the Mediterranean rim between ca. 300–1500. Courses from 18 departments allow students to explore the medieval world from the standpoints of art, visual and material culture, history, law, languages and literature, music, philosophy, religious studies, and the history of science and medicine. The certificate in Medieval Studies is designed to encourage the pursuit of interdisciplinary work across several departments.

The Middle Ages was a dynamic period of transcontinental trade and travel that fostered cultural, technological, and scientific interactions among the kingdoms and city states of Western Europe, the Byzantine (East Roman) Empire, and the Islamic caliphates that eventually encompassed much of Spain, north Africa, and the Middle East. It is also known that the Norse (Vikings) established settlements in North America as early as ca. 1000, some 500 years before Columbus.

In Western Europe, the Middle Ages laid the foundations of constitutional government and modern nation-states, instituted a system of trial by jury, and developed the first universities along with the concept of a liberal-arts curriculum (encompassing both arts and sciences). The period also saw the development of English, Germanic, Scandinavian, and romance languages (Italian, French, Spanish, Portuguese, Romanian), which by the end of the fourteenth century came to eclipse Latin as vehicles for secular poetry and prose. Further east, Greek dominated the territory of the Byzantine Empire, while the foundation of the Kyivan Rus coincided with the development of Cyrillic script used by many Slavic and non-Slavic languages. The Islamic world saw the wide diffusion of Arabic languages and literature, including scientific works which served to mediate knowledge of Greek natural philosophy and medical science to Western Europe.

Other significant cultural developments include the development of the codex, or book, often with elaborate programs of visual imagery and diagrams, the innovation of musical notation and early forms of polyphony, the application of optical science to urban planning and of one-point perspective to painting (especially in Italy), and the refinement of structural engineering that led to the soaring light-filled architecture of Gothic cathedrals in Western Europe and the expansive centralized domed spaces of the Byzantine Empire and related Orthodox states, as well as the Islamic world.

The program's focus is embodied in the interdisciplinary courses devoted to the history and culture of the Middle Ages that are regularly offered across campus by participating departments and programs. The program cross-lists many of these courses, helps to publicize courses with medieval subject matter that are not permanently cross-listed, and offers opportunities for students to undertake independent study projects with participating faculty members. It also regularly organizes public programming on specific themes with the support of the Anonymous Fund, the Center for the Humanities, the Institute for Research in the Humanities, and affiliated departments and programs.

In addition to departments and programs that regularly offer courses counting towards the Medieval Studies certificate—including Art History, Classical and Ancient Near Eastern Studies, English, French and Italian, Integrated Liberal Studies, German/Nordic/Slavic+ (including Folklore and Scandinavian Studies), History, History of Medicine, History of Science, Jewish Studies, Religious Studies, and Spanish and Portuguese —the following departments and programs occasionally offer courses on medieval topics: African Studies, Asian Languages and Culture, Music, Philosophy, and Political Science.

Like a minor, the certificate documents a student's pursuit of a rigorous course of study in addition to the major(s). It attests to ambitious intellectual goals as well as the ability to imagine historical problems in transnational and transcultural perspectives. As a credential, it demonstrates a capacity for comparative critical thinking and analysis, skills that appeal to a wide range of potential employers.

HOW TO GET IN

HOW TO GET IN

Students interested in working toward the certificate should contact the director of Medieval Studies as early in their degree program as possible. The director serves as the undergraduate advisor for all students pursuing the certificate. For further information see the Medieval Studies website (http://www.medievalstudies.wisc.edu/).

REQUIREMENTS

REQUIREMENTS

The certificate requires the completion of **five courses (15 credits)** in the medieval area, according to the following distributional requirements.

Students interested in working toward the certificate should contact the director of Medieval Studies as early in their degree program as possible. The director serves as the undergraduate advisor for all students pursuing the certificate. For further information see the Medieval Studies website (http://www.medievalstudies.wisc.edu).

Code	Title	Credits
Complete one of the following:		**3-4**
HISTORY 115	Medieval Europe 410-1500	
ILS 201	Western Culture: Science, Technology, Philosophy I	
HIST SCI 201	The Origins of Scientific Thought	
ENGL 241	Literature and Culture I: to the 18th Century	
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	

Complete two courses from Category A ("The Middle Ages through History and Social Sciences"). [1]	**6**
Complete two courses from Category B ("The Middle Ages through Language, Literature and the Arts"). [1]	**6**
Total Credits	**15**

[1] For a list of which individual courses count toward Category A and which toward Category B, see the course lists below.

CATEGORY A COURSE LIST

Code	Title	Credits
Category A Courses		
HISTORY 115	Medieval Europe 410-1500	4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY 417	History of Russia	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	3
HIST SCI/ S&A PHM 401	History of Pharmacy	2
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
ILS 205	Western Culture: Political, Economic, and Social Thought I	3
INTL ST 266	Introduction to the Middle East	3

CATEGORY B COURSE LIST

Code	Title	Credits
Category B Courses		
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	3
ART HIST 318	Romanesque and Gothic Art and Architecture	3-4
ART HIST 320	Italian Renaissance Art	3-4
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	3
ART HIST 440	Art and Power in the Arab World	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ART HIST 515	Proseminar in Medieval Art	3
ART HIST 535	Proseminar in Northern European Painting	3
ENGL 177	Literature and Popular Culture	3
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 314	Structure of English	3
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	3
ENGL 417	History of the English Language	3
ENGL 422	Outstanding Figure(s) in Literature before 1800	3
ENGL/ MEDIEVAL 423	Topic in Medieval Literature and Culture	3
ENGL/ MEDIEVAL 424	Medieval Drama	3
ENGL/ MEDIEVAL 425	Medieval Romance	3
ENGL/ MEDIEVAL 426	Chaucers Courtly Poetry	3
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales	3
ENGL/ MEDIEVAL 520	Old English	3
ENGL/ MEDIEVAL 521	Advanced Old English Literature	3
ENGL 546	Topic in Travel Writing before 1800	3
FRENCH 347	Medieval and Early Modern Culture	3
FRENCH 430	Readings in Medieval and Renaissance Literature	3
GERMAN 650	History of the German Language	3
GERMAN/ MEDIEVAL 651	Introduction to Middle High German	3
ILS 203	Western Culture: Literature and the Arts I	3
ITALIAN 321	Studies in Italian Literature and Culture I	3
ITALIAN/MEDIEVAL/ RELIG ST 440	Poverty, Ecology and the Arts: St. Francis of Assisi	3
ITALIAN/ MEDIEVAL 659	Dante's Divina Commedia	3
ITALIAN/ MEDIEVAL 671	The 13th Century	3
JEWISH/AFRICAN/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	3
LATIN/ MEDIEVAL 563	Mediaeval Latin	3
LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	3

LITTRANS/ MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron	3
LITTRANS 271	In Translation:Masterpieces of Scandinavian Literature, Middle Ages-1900	3-4
LITTRANS/ FOLKLORE/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	3
LITTRANS/ FOLKLORE 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
SCAND ST/ FOLKLORE/ MEDIEVAL 235	The World of Sagas	3
SCAND ST/ FOLKLORE/ MEDIEVAL/ RELIG ST 342	Nordic Mythology	3
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	3-4
SCAND ST/ MEDIEVAL 407	Introductory Old Norse	3
SCAND ST/ MEDIEVAL 409	Survey of Old Norse-Icelandic Literature	3
SCAND ST/ MEDIEVAL 430	The Vikings	4
SCAND ST/ LITTRANS 435	The Sagas of Icelanders in English Translation	3
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	4
SPANISH 322	Survey of Early Hispanic Literature	3
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)	3
SPANISH/ MEDIEVAL 503	Survey of Medieval Literature	3
SPANISH/ MEDIEVAL 541	Old Spanish	3

RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Historical knowledge: Acquire knowledge of historical events, social structures, cultural productions, and/or scientific innovation from c. 300-1500; develop an understanding of the relationship between these and present-day institutions, forms of artistic expression, geo-political problems, and environmental and social concerns.
2. Interdisciplinary perspective: Approach problems in the study of the past using sources and methods drawn from more than one traditionally defined academic discipline; achieve an understanding of the inherently interdisciplinary nature of medieval studies.
3. Primary research: Encounter and analyze primary sources—including but not limited to historical documents, religious writings, scientific treatises, literary texts, works of visual art and architecture, material culture, performance texts, and music—to reach an understanding of significant aspects of medieval culture and demonstrate that understanding in an applied format.
4. Critical thinking: Discern and synthesize different perspectives on the Middle Ages; identify and question assumptions about the medieval era; assess evidence and/or evaluate methods for understanding the complexities of the past.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students can obtain advising for the certificate by contacting Lisa Cooper, the Director of Medieval Studies (lhcooper@wisc.edu). The director serves as the undergraduate advisor for all students pursuing the certificate. For further information see the Medieval Studies website (https://medievalstudies.wisc.edu/certificate/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

INFORMATION

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Information Science, BA (p. 852)
- Information Science, BS (p. 856)

INFORMATION SCIENCE, BA

Information Science students study concepts and examine issues at the nexus of people, data, information, and computing. They gain the knowledge and skills to create data-driven technologies and to make them work for real communities. Information Science focuses on the ethical, cultural, and social factors in design and use of information technology-based and data-driven systems. Students become adept in the creation, management, retrieval, and curation of data and information. The major emphasizes designing systems that foster well-being and support the public good.

HOW TO GET IN

HOW TO GET IN

Students must have a 2.000 GPA on coursework counting in the major, and a 2.000 GPA on any upper-level work in the major completed prior to declaration. No specific coursework must be completed to declare. For students below a 2.000 GPA, please contact iSciadvising@ischool.wisc.edu to discuss options and a path to declaring the Information Science major.

It is recommended that students declare the major as early as possible to plan for required coursework. First semester students without a calculated GPA are eligible to declare. For instructions on declaring the Information Science major, please see the Information Science (https://ischool.wisc.edu/programs/information-science-major/) webpage.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete a minimum of 30 total credits as detailed below.

CORE INFORMATION SCIENCE COURSEWORK

Complete 21 credits of Core Information Science Coursework from these options:

- L I S courses in the Breadth Coursework lists (counts for both Core and Breadth)
- Additional Core L I S Coursework
- COMP SCI 570 (counts for both Core and Breadth)

Breadth Coursework

Complete one course and at least 3 credits from each category. Non-L I S courses completed in each category satisfy breadth and count towards the Approved Electives.

Ethics, Computing & Society

Code	Title	Credits
L I S 201	The Information Society	4
L I S 202	Informational Divides and Differences in a Multicultural Society	3
L I S 220	Digital Footprints: Privacy and Technology	3
L I S/LEGAL ST 460	Surveillance, Privacy, and Police Powers	3
L I S 461	Data and Algorithms: Ethics and Policy	3-4
L I S 500	Code and Power	3
L I S/LEGAL ST 663	Introduction to Cyberlaw	3

Computational Techniques and Tools

Code	Title	Credits
L I S 351	Introduction to Digital Information	3
L I S/COMP SCI 472	Introduction to Web Development	3
L I S 501	Introduction to Text Mining	3
COMP SCI/L I S 102	Introduction to Computing	3
COMP SCI 200	Programming I	3
COMP SCI 220	Data Science Programming I	4
COMP SCI 300	Programming II	3
COMP SCI 368	Learning a Programming Language	1
STAT 433	Data Science with R (Complete one course at least 3 credits)	3

Principles of Information and Data Science

Code	Title	Credits
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	3
L I S 464	Applied Database Design	3
STAT 240	Data Science Modeling I	4

Designing for Human Computer Interaction

Code	Title	Credits
L I S 470	Interaction Design Studio	3
L I S 646	Introduction to Info Architecture and Interaction Design for the Web	3
COMP SCI 570	Introduction to Human-Computer Interaction	3
I SY E/PSYCH 349	Introduction to Human Factors	3

Communicating Digitally

Code	Title	Credits
L I S 350	History and Future of Books	3
L I S 407	Data Storytelling with Visualization	3
COM ARTS 200	Introduction to Digital Communication	3

Additional Core L I S Coursework

Code	Title	Credits
L I S 301	Information Literacies in Online Spaces	3
L I S 340	Topics in Information Studies - Social Aspects	3
L I S 341	Topics in Information Studies - Technological Aspects	1-3
L I S/AFRICAN/ COM ARTS 444	Technology and Development in Africa and Beyond	3
L I S 510	Human Factors in Information Security	3
L I S/NURSING 517	Digital Health: Information and Technologies Supporting Consumers and Patients	3
L I S/LEGAL ST 645	Intellectual Freedom	3

CAREER/COMMUNITY/INTERNSHIP COURSEWORK

Complete 1-6 credits in a hands-on learning course. No more than 6 credits may be counted towards this requirement. Some courses may have additional requisites to enroll.

Code	Title	Credits
INTER-LS 210	L&S Career Development: Taking Initiative	1
INTER-LS 215	Communicating About Careers	3
INTER-LS/INTER-AG 250	Undergraduate Research Experience	1-3
INTER-LS 260	Internship in the Liberal Arts and Sciences	1
COM ARTS 605	Digital Studies Capstone	1
COMP SCI/ STAT 403	Internship Course in Comp Sci and Data Science	1

DS 601	Internship	1-8
GEN BUS 450	Professional Experience in Business	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTL ST 523	International Internship	1-3
JOURN 697	Internship	1-3
L I S 399	Independent Reading and Research	1-3
LSC 399	Coordinative Internship/ Cooperative Education	1-8
POLI SCI 402	Wisconsin in Washington Internship Course	4
PUB AFFR 327	Administrative Internship	3

APPROVED ELECTIVES

Complete additional coursework to reach 30 credits in the major from the following list, all Breadth Coursework, or Additional Core L I S Coursework list.

Code	Title	Credits
ACT SCI 652	Fundamentals of Short-Term Actuarial Modeling	3
COM ARTS 155	Introduction to Digital Media Production	4
COM ARTS 345	Online Communication and Personal Relationships	3
COM ARTS 346	Critical Internet Studies	3
COM ARTS 478	Rhetoric and Power on the Internet	3
COM ARTS 509	Digital Media and Political Communication	3
COM ARTS 577	Dynamics of Online Relationships	3
COMP SCI/ E C E 252	Introduction to Computer Engineering	3
COMP SCI 304	Peer Collaboration in Computer Sciences (WES-CS)	1
COMP SCI 310	Problem Solving Using Computers	3
COMP SCI/ E C E 354	Machine Organization and Programming	3
COMP SCI 400	Programming III	3
COMP SCI 402	Introducing Computer Science to K-12 Students	2
COMP SCI 407	Foundations of Mobile Systems and Applications	3
COMP SCI/ E C E 506	Software Engineering	3
COMP SCI 542	Introduction to Software Security	3
COMP SCI 564	Database Management Systems: Design and Implementation	4
CNSR SCI 257	Introduction to Retail	2
CNSR SCI 301	Consumer Analytics	3
DS 120	Design: Fundamentals I	3
DS 140	Visual Thinking - Form and Space	3
DS 221	Person and Environment Interactions	3
DS 321	Problem-definition: Design Programming	3
DS 341	Design Thinking for Transformation	3
DS 451	Color Theory and Technology	3
DS/COMP SCI 579	Virtual Reality	3
DS 679	Research Methods in Design	3
GEN BUS 306	Business Analytics I	3
GEN BUS 307	Business Analytics II	3
GEN BUS 656	Foundations of Statistical Learning for Business Analytics	3
HIST SCI 150	The Digital Age	3
I SY E 348	Introduction to Human Factors Engineering Laboratory	1
I SY E 350	Industrial Engineering Design I	3
I SY E 450	Industrial Engineering Design II	3
I SY E/COMP SCI/ DS 518	Wearable Technology	3
INFO SYS 322	Introduction to Databases	3
INFO SYS 371	Technology of Computer-Based Business Systems	3
INFO SYS 424	Systems Analysis and Design	3
JOURN 175	Media Fluency for the Digital Age	3
JOURN 411	Multimedia Design	4
JOURN 463	Digital Media Strategies	4
JOURN/COM ARTS/ LSC 617	Health Communication in the Information Age	3
JOURN 622	The Impact of Emerging Media	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
LSC 350	Visualizing Science and Technology	3
LSC 432	Social Media for the Sciences	3
LSC 440	Digital Media and Science Communication	3
LSC 460	Social Media Analytics	3
LSC 532	Web Design for the Sciences	3
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	3
MARKETNG 355	Marketing in a Digital Age	3
MARKETNG/ OTM 427	Information Technology in Supply Chains	3
MARKETNG 445	Digital Marketing Analytics	3
OTM/ MARKETNG 427	Information Technology in Supply Chains	3
OTM 453	Operations Analytics	3
PUB AFFR 281	Discovering What Works in Health Policy	3
PUB AFFR 380	Analytic Tools for Public Policy	3
PUB AFFR 523	Policy, Privacy, and Personal Identity in the Postgenomics Era	3
R M I 670	Cyber Risk & Regulations	2-3
STAT 433	Data Science with R	3

RESIDENCE & QUALITY OF WORK IN THE MAJOR

- Minimum 2.000 GPA in all L I S and major courses
- Minimum 2.000 GPA computed on 15 credits of upper-level work in the major[1]
- Minimum 15 credits in L I S courses taken on the UW-Madison campus[2]

FOOTNOTES

[1] All Intermediate or Advanced-level courses are considered upper-level in the major.

[2] A course is considered "at UW-Madison" when it is taken on the UW-Madison campus.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of ways in which the policies, ethics, and values associated with information systems can affect society
2. Demonstrate understanding of the relationships between information, cognition, and human social activity
3. Apply design principles and information science concepts to improve information systems and solve problems
4. Apply introductory data analysis and data quality management approaches and communicate results
5. Apply computational tools to accomplish goals and meet human needs
6. Communicate well in oral, written, and visual forms

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	L I S 201, 350, or 461 (Meets Communications B Requirement)	3
L I S/COMP SCI 102	3	Literature Breadth	3
Foreign Language (if needed)	3	Humanities or Social Sciences Breadth	5
Humanities or Social Sciences Breadth	5	Electives	3
	14		**14**

Sophomore

Fall	Credits	Spring	Credits
L I S 440 (meets Quantitative Reasoning B)	3	L I S 202 (Meets Ethnic Studies Requirement)	3
Biological Science Breadth	3	INTER-LS 210 (Meets Career/Community/ Internship Requirement)	1
Humanities or Social Sciences Breadth	3	Literature Breadth	3
Elective	6	Biological Sciences Breadth (if needed)	3
		Intermediate/Advanced COMPSCI, MATH or STAT (if BS) or Elective (if BA)	3
		Electives	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
Communicating Digitally course	3	Ethics, Computing & Society course	3
Human Computer Interaction course	3	Career/Community/ Internship course (if needed) or other Intermediate or Advanced Electives	3
Physical Sciences Breadth	3	Humanities or Social Sciences Breadth if needed	3

Intermediate/Advanced COMPSCI, MATH or STAT (if BS) or Intermediate or Advanced elective (if BA)	3	Sciences Breadth if needed	3
Humanities or Social Sciences Breadth	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Information and Data Science course	3	Computational Techniques and Tools course	3
Complete Core Information Science coursework or other Intermediate or Advanced Electives	10	Complete Information Science Coursework Requirement or other Intermediate or Advanced Electives	10
Humanities or Social Sciences Breadth (if needed)	3	Humanities or Social Sciences Breadth (if needed)	3
	16		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who are interested in information science academic advising for the major should visit the Information School website (https://ischool.wisc.edu/programs/undergraduates/) or contact the advisor by email at iSciAdvising@ischool.wisc.edu.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Visit Wisconsin Scholarship Hub (https://wisc.academicworks.com/) to find UW–Madison scholarships and apply online.

Visit the scholarships page (https://ischool.wisc.edu/student-experience/awards-and-scholarships/) on the Information School website for a compendium of opportunities available to students studying Information Sciences.

INFORMATION SCIENCE, BS

Information Science students study concepts and examine issues at the nexus of people, data, information, and computing. They gain the knowledge and skills to create data-driven technologies and to make them work for real communities. Information Science focuses on the ethical, cultural, and social factors in design and use of information technology-based and data-driven systems. Students become adept in the creation, management, retrieval, and curation of data and information. The major emphasizes designing systems that foster well-being and support the public good.

HOW TO GET IN

HOW TO GET IN

Students must have a 2.000 GPA on coursework counting in the major, and a 2.000 GPA on any upper-level work in the major completed prior to declaration. No specific coursework must be completed to declare. For students below a 2.000 GPA, please contact iSciadvising@ischool.wisc.edu to discuss options and a path to declaring the Information Science major.

It is recommended that students declare the major as early as possible to plan for required coursework. First semester students without a calculated GPA are eligible to declare. For instructions on declaring the Information Science major, please see the Information Science (https://ischool.wisc.edu/programs/information-science-major/) webpage.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete a minimum of 30 total credits as detailed below.

CORE INFORMATION SCIENCE COURSEWORK

Complete 21 credits of Core Information Science Coursework from these options:

- L I S courses in the Breadth Coursework lists (counts for both Core and Breadth)
- Additional Core L I S Coursework
- COMP SCI 570 (counts for both Core and Breadth)

Breadth Coursework

Complete one course and at least 3 credits from each category. Non-L I S courses completed in each category satisfy breadth and count towards the Approved Electives.

Ethics, Computing & Society

Code	Title	Credits
L I S 201	The Information Society	4
L I S 202	Informational Divides and Differences in a Multicultural Society	3
L I S 220	Digital Footprints: Privacy and Technology	3
L I S/LEGAL ST 460	Surveillance, Privacy, and Police Powers	3
L I S 461	Data and Algorithms: Ethics and Policy	3-4
L I S 500	Code and Power	3
L I S/LEGAL ST 663	Introduction to Cyberlaw	3

Computational Techniques and Tools

Code	Title	Credits
L I S 351	Introduction to Digital Information	3
L I S/COMP SCI 472	Introduction to Web Development	3
L I S 501	Introduction to Text Mining	3
COMP SCI/L I S 102	Introduction to Computing	3
COMP SCI 200	Programming I	3
COMP SCI 220	Data Science Programming I	4
COMP SCI 300	Programming II	3
COMP SCI 368	Learning a Programming Language	1
STAT 433	Data Science with R (Complete one course at least 3 credits)	3

Principles of Information and Data Science

Code	Title	Credits
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	3

L I S 464	Applied Database Design	3
STAT 240	Data Science Modeling I	4

Designing for Human Computer Interaction

Code	Title	Credits
L I S 470	Interaction Design Studio	3
L I S 646	Introduction to Info Architecture and Interaction Design for the Web	3
COMP SCI 570	Introduction to Human-Computer Interaction	3
I SY E/PSYCH 349	Introduction to Human Factors	3

Communicating Digitally

Code	Title	Credits
L I S 350	History and Future of Books	3
L I S 407	Data Storytelling with Visualization	3
COM ARTS 200	Introduction to Digital Communication	3

Additional Core L I S Coursework

Code	Title	Credits
L I S 301	Information Literacies in Online Spaces	3
L I S 340	Topics in Information Studies - Social Aspects	3
L I S 341	Topics in Information Studies - Technological Aspects	1-3
L I S/AFRICAN/ COM ARTS 444	Technology and Development in Africa and Beyond	3
L I S 510	Human Factors in Information Security	3
L I S/NURSING 517	Digital Health: Information and Technologies Supporting Consumers and Patients	3
L I S/LEGAL ST 645	Intellectual Freedom	3

CAREER/COMMUNITY/INTERNSHIP COURSEWORK

Complete 1-6 credits in a hands-on learning course. No more than 6 credits may be counted towards this requirement. Some courses may have additional requisites to enroll.

Code	Title	Credits
INTER-LS 210	L&S Career Development: Taking Initiative	1
INTER-LS 215	Communicating About Careers	3
INTER-LS/INTER-AG 250	Undergraduate Research Experience	1-3
INTER-LS 260	Internship in the Liberal Arts and Sciences	1
COM ARTS 605	Digital Studies Capstone	1
COMP SCI/ STAT 403	Internship Course in Comp Sci and Data Science	1
DS 601	Internship	1-8
GEN BUS 450	Professional Experience in Business	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTL ST 523	International Internship	1-3
JOURN 697	Internship	1-3
L I S 399	Independent Reading and Research	1-3
LSC 399	Coordinative Internship/ Cooperative Education	1-8
POLI SCI 402	Wisconsin in Washington Internship Course	4
PUB AFFR 327	Administrative Internship	3

APPROVED ELECTIVES

Complete additional coursework to reach 30 credits in the major from the following list, all Breadth Coursework, or Additional Core L I S Coursework list.

Code	Title	Credits
ACT SCI 652	Fundamentals of Short-Term Actuarial Modeling	3
COM ARTS 155	Introduction to Digital Media Production	4
COM ARTS 345	Online Communication and Personal Relationships	3
COM ARTS 346	Critical Internet Studies	3
COM ARTS 478	Rhetoric and Power on the Internet	3
COM ARTS 509	Digital Media and Political Communication	3
COM ARTS 577	Dynamics of Online Relationships	3
COMP SCI/ E C E 252	Introduction to Computer Engineering	3
COMP SCI 304	Peer Collaboration in Computer Sciences (WES-CS)	1
COMP SCI 310	Problem Solving Using Computers	3
COMP SCI/ E C E 354	Machine Organization and Programming	3
COMP SCI 400	Programming III	3
COMP SCI 402	Introducing Computer Science to K-12 Students	2
COMP SCI 407	Foundations of Mobile Systems and Applications	3
COMP SCI/ E C E 506	Software Engineering	3
COMP SCI 542	Introduction to Software Security	3
COMP SCI 564	Database Management Systems: Design and Implementation	4
CNSR SCI 257	Introduction to Retail	2
CNSR SCI 301	Consumer Analytics	3
DS 120	Design: Fundamentals I	3
DS 140	Visual Thinking - Form and Space	3
DS 221	Person and Environment Interactions	3
DS 321	Problem-definition: Design Programming	3
DS 341	Design Thinking for Transformation	3
DS 451	Color Theory and Technology	3
DS/COMP SCI 579	Virtual Reality	3
DS 679	Research Methods in Design	3
GEN BUS 306	Business Analytics I	3

GEN BUS 307	Business Analytics II	3
GEN BUS 656	Foundations of Statistical Learning for Business Analytics	3
HIST SCI 150	The Digital Age	3
I SY E 348	Introduction to Human Factors Engineering Laboratory	1
I SY E 350	Industrial Engineering Design I	3
I SY E 450	Industrial Engineering Design II	3
I SY E/COMP SCI/ DS 518	Wearable Technology	3
INFO SYS 322	Introduction to Databases	3
INFO SYS 371	Technology of Computer-Based Business Systems	3
INFO SYS 424	Systems Analysis and Design	3
JOURN 175	Media Fluency for the Digital Age	3
JOURN 411	Multimedia Design	4
JOURN 463	Digital Media Strategies	4
JOURN/COM ARTS/ LSC 617	Health Communication in the Information Age	3
JOURN 622	The Impact of Emerging Media	3
LSC 340	Misinformation, Fake News, and Correcting False Beliefs about Science	3
LSC 350	Visualizing Science and Technology	3
LSC 432	Social Media for the Sciences	3
LSC 440	Digital Media and Science Communication	3
LSC 460	Social Media Analytics	3
LSC 532	Web Design for the Sciences	3
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	3
MARKETNG 355	Marketing in a Digital Age	3
MARKETNG/ OTM 427	Information Technology in Supply Chains	3
MARKETNG 445	Digital Marketing Analytics	3
OTM/ MARKETNG 427	Information Technology in Supply Chains	3
OTM 453	Operations Analytics	3
PUB AFFR 281	Discovering What Works in Health Policy	3
PUB AFFR 380	Analytic Tools for Public Policy	3
PUB AFFR 523	Policy, Privacy, and Personal Identity in the Postgenomics Era	3
R M I 670	Cyber Risk & Regulations	2-3
STAT 433	Data Science with R	3

RESIDENCE & QUALITY OF WORK IN THE MAJOR

- Minimum 2.000 GPA in all L I S and major courses
- Minimum 2.000 GPA computed on 15 credits of upper-level work in the major[1]
- Minimum 15 credits in L I S courses taken on the UW-Madison campus[2]

FOOTNOTES

1 All Intermediate or Advanced-level courses are considered upper-level in the major.

2 A course is considered “at UW-Madison” when it is taken on the UW-Madison campus.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of ways in which the policies, ethics, and values associated with information systems can affect society
2. Demonstrate understanding of the relationships between information, cognition, and human social activity
3. Apply design principles and information science concepts to improve information systems and solve problems
4. Apply introductory data analysis and data quality management approaches and communicate results
5. Apply computational tools to accomplish goals and meet human needs
6. Communicate well in oral, written, and visual forms

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic

advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	L I S 201, 350, or 461 (Meets Communications B Requirement)	3
L I S/COMP SCI 102	3	Literature Breadth	3
Foreign Language (if needed)	3	Humanities or Social Sciences Breadth	5
Humanities or Social Sciences Breadth	5	Electives	3
	14		**14**

Sophomore

Fall	Credits	Spring	Credits
L I S 440 (meets Quantitative Reasoning B)	3	L I S 202 (Meets Ethnic Studies Requirement)	3
Biological Science Breadth	3	INTER-LS 210 (Meets Career/Community/ Internship Requirement)	1
Humanities or Social Sciences Breadth	3	Literature Breadth	3
Elective	6	Biological Sciences Breadth (if needed)	3
		Intermediate/Advanced COMPSCI, MATH or STAT (if BS) or Elective (if BA)	3
		Electives	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
Communicating Digitally course	3	Ethics, Computing & Society course	3
Human Computer Interaction course	3	Career/Community/ Internship course (if needed) or other Intermediate or Advanced Electives	3
Physical Sciences Breadth	3	Humanities or Social Sciences Breadth if needed	3
Intermediate/Advanced COMPSCI, MATH or STAT (if BS) or Intermediate or Advanced elective (if BA)	3	Sciences Breadth if needed	3
Humanities or Social Sciences Breadth	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Information and Data Science course	3	Computational Techniques and Tools course	3
Complete Core Information Science coursework or other Intermediate or Advanced Electives	10	Complete Information Science Coursework Requirement or other Intermediate or Advanced Electives	10
Humanities or Social Sciences Breadth (if needed)	3	Humanities or Social Sciences Breadth (if needed)	3
	16		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who are interested in information science academic advising for the major should visit the Information School website (https://ischool.wisc.edu/programs/undergraduates/) or contact the advisor by email at iSciAdvising@ischool.wisc.edu.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Visit Wisconsin Scholarship Hub (https://wisc.academicworks.com/) to find UW–Madison scholarships and apply online.

Visit the scholarships page (https://ischool.wisc.edu/student-experience/awards-and-scholarships/) on the Information School website for a compendium of opportunities available to students studying Information Sciences.

INSTITUTE FOR REGIONAL AND INTERNATIONAL STUDIES

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- African Studies, Certificate (p. 861)
- East Asian Studies, Certificate (p. 864)
- European Studies, Certificate (p. 867)
- International Studies, BA (p. 876)
- International Studies, BS (p. 914)
- Latin American, Caribbean, and Iberian Studies, BA (p. 953)
- Latin American, Caribbean, and Iberian Studies, BS (p. 959)
- Middle East Studies, Certificate (p. 965)
- Russian, East European, and Central Asian Studies, Certificate (p. 968)
- South Asian Studies, Certificate (p. 972)
- Southeast Asian Studies, Certificate (p. 975)

AFRICAN STUDIES, CERTIFICATE

The African Studies Program (https://africa.wisc.edu/) supports research, teaching, and outreach at the University of Wisconsin–Madison, bringing together scholars in multiple disciplines, students, teachers, and community partners to consider all aspects of land and life in Africa. The African Studies Program is a U.S. Department of Education Title VI National Resource Center for Africa (https://iris.wisc.edu/titlevi/), a unit in The International Division, and a member of the campus consortium of internationally oriented programs known as the Institute for Regional and International Studies (http://iris.wisc.edu/).

The program was established in 1961 by an interdisciplinary team of internationally respected scholars including Jan Vasina, Philip Curtin, Frederick Simoons, and Aristride Zolberg. The center continues to enjoy a reputation for excellence, having awarded more degrees to Africa specialists than any other American university. No other university boasts such a depth and range of expertise in Africanist scholarship. Over 70 affiliated faculty offer more than 100 courses in 35 departments around campus. The Department of African Cultural Studies offers students an opportunity to study a number of African languages including Arabic, Hausa, Swahili, Wolof, Yoruba, and Zulu, as well as options for self-directed study of less-commonly taught languages.

Undergraduates from any department can benefit from access to our programs and top-ranked faculty by completing a certificate in African studies. The certificate is highly interdisciplinary and welcomes students with backgrounds in the humanities, social sciences, business, health, agriculture, or the environment. What unites certificate students is a shared interest in the people, places, and stories of the continent of Africa.

A certificate in African Studies indicates that a student has acquired an interdisciplinary knowledge about the African continent, its histories, its stories, and its people. African Studies alumni serve in a number of important leadership positions in both the private and public sectors. Former students have gone on to serve as ambassadors, presidential advisors, and leaders of investment firms and Washington think tanks. Many undergraduate certificate students launch their internationally oriented careers by joining the Peace Corps (https://peacecorps.wisc.edu/) after graduation.

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the undergraduate certificate should contact the African Studies Program undergraduate advisor (advising@africa.wisc.edu).

REQUIREMENTS

REQUIREMENTS

15 credits in African Studies approved courses

At least two SUBJECTs represented: [1]

Code	Title	Credits
AFRICAN 100	Introduction to African Cultural Expression	3
AFRICAN/ HISTORY 106	Introduction to African History	3-4
AFRICAN/ HISTORY 129	Africa on the Global Stage	3-4
AFRICAN 201	Introduction to African Literature	3
AFRICAN 202	Introductory Topics in African Cultural Studies	3
AFRICAN 203	Introductory Topics in African Literature	3
AFRICAN 204	Introductory Topics in African Languages	3
AFRICAN 206	Introduction to African Linguistic Practices	3
AFRICAN/ FOLKLORE 210	The African Storyteller	3
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal	3
AFRICAN 212	Introduction to African Popular Culture	3
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4

AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFRICAN 300	African Literature in Translation	3
AFRICAN 303	African Literature and Visual Culture	3
AFRICAN 304	Soccer in Africa	3
AFRICAN 321	First Semester Arabic	5
AFRICAN 322	Second Semester Arabic	5
AFRICAN 323	Third Semester Arabic	4
AFRICAN 324	Fourth Semester Arabic	4
AFRICAN 329	Fifth Semester Arabic	3
AFRICAN 330	Sixth Semester Arabic	3
AFRICAN 331	First Semester Swahili	5
AFRICAN 332	Second Semester Swahili	5
AFRICAN 333	Third Semester Swahili	4
AFRICAN 334	Fourth Semester Swahili	4
AFRICAN 335	First Semester-A Language of Southern Africa	5
AFRICAN 336	Second Semester-A Language of Southern Africa	4-5
AFRICAN 339	First Semester Summer Arabic	4
AFRICAN 340	Second Semester Summer Arabic	4
AFRICAN 341	Third Semester Summer Arabic	4
AFRICAN 342	Fourth Semester Summer Arabic	4
AFRICAN 343	Fifth Semester Summer Arabic	4
AFRICAN 344	Sixth Semester Summer Arabic	4
AFRICAN 361	First Semester Hausa	5
AFRICAN 362	Second Semester Hausa	4-5
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
AFRICAN 371	First Semester Yoruba	5
AFRICAN 372	Second Semester Yoruba	5
AFRICAN 373	Third Semester Yoruba	4
AFRICAN 374	Fourth Semester Yoruba	4
AFRICAN 391	First Semester-A Language of West Africa	5
AFRICAN 392	Second Semester-A Language of West Africa	4-5
AFRICAN 393	Third Semester-A Language of West Africa	4
AFRICAN 394	Fourth Semester-A Language of West Africa	4
AFRICAN 402	Theory of African Literature	3-4
AFRICAN 403	Theories of African Cultural Studies	3
AFRICAN 405	Topics in African Cultural Studies	3
AFRICAN 406	Topics in African Literature	3
AFRICAN 407	Topics in African Languages	3
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	3
AFRICAN 409	Topics in US and Global Black Music Studies	3
AFRICAN 412	Contemporary African Fiction	3
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	3-4
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	3
AFRICAN 435	Fifth Semester Swahili	3
AFRICAN 436	Sixth Semester Swahili	3
AFRICAN/ FRENCH 440	African/Francophone Film	3
AFRICAN/ COM ARTS/ L I S 444	Technology and Development in Africa and Beyond	3
AFRICAN/ PORTUG 451	Lusophone African Literature	3
AFRICAN/JEWISH/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	3
AFRICAN 605	Advanced Topics in African Cultural Studies	3
AFRICAN 606	Advanced Topics in African Literature	3
AFRICAN 670	Theories and Methods of Learning a Less Commonly Taught Language	2
AFRICAN 671	Multilanguage Seminar	4
AFRICAN 672	Intensive Summer Multilanguage Seminar	8
AFRICAN 698	Directed Study	1-6
AFRICAN 699	Directed Study	1-6
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	3
AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
AFROAMER 675	Selected Topics in Afro-American Culture	3
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
ANTHRO 120	Freshman/Sophomore Seminar in Anthropology	3
ANTHRO 333	Prehistory of Africa	3
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	3
ANTHRO 348	Economic Anthropology	3-4
ANTHRO 391	Bones for the Archaeologist	3
CLASSICS 315	Africana Approaches to Biblical Interpretation	3
DANCE 118	African Dance	1
DANCE 165	Introduction to the Histories of Dance	3
DANCE/ THEATRE 218	African Dance Performance	2

DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
ED POL 150	Education and Public Policy	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
FRENCH/ GEN&WS 285	Rebellious Women from the Global South	3-4
FRENCH 461	French/Francophone Literary Studies Across the Centuries	3
FRENCH 462	French/Francophone Cultural Studies Across the Centuries	3
FRENCH 665	Introduction to Francophone Studies	3
GEOG 355	Africa, South of the Sahara	3
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes	3
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
HISTORY/ AFRICAN 106	Introduction to African History	3-4
HISTORY 225	Explorations in Third World History (H)	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	3
INTL ST/ ED POL 335	Globalization and Education	3
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights	3
JOURN 620	International Communication	4
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	3
POLI SCI 329	African Politics	3-4
POLI SCI 330	Political Economy of Development	3
POLI SCI 345	Conflict Resolution	3-4
POLI SCI 348	Analysis of International Relations	3-4
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 437	Nationalism and Ethnic Conflict	3-4
RELIG ST/ CLASSICS/ HISTORY 517	Religions of the Ancient Mediterranean	3

[1] No more than two courses from any one SUBJECT may count toward the certificate. A cross-listed course may count in either—but not both—SUBJECTs in which it is cross-listed.

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 8 certificate credits must be completed in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Historical Grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in the region today.
2. (Multi-disciplinarity) analyzing contemporary political, economic, and cultural realities in the region from at least two disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
3. (Depth of knowledge) mastering at the undergraduate generalist level a particular facet of life in the region by taking courses on a particular sub-region or country, or by studying a regional language, or by taking at least two courses on the region in one discipline.

ADVISING AND CAREERS

ADVISING AND CAREERS

We require that students visit with the advisor at least once per semester. Advising for the certificate is run by the African Studies Program advisor, Aleia Ingulli McCord, advising@africa.wisc.edu, who can assist you in developing your plan of study for the certificate, track progress toward the certificate, explore study abroad and international internship options, and begin the career exploration process. We offer walk-in advising, advising workshops, and scheduled appointments.

We strongly encourage students to enroll in Africa: An Introductory Survey (AFRICAN/AFROAMER/ANTHRO/GEOG/HISTORY/POLI SCI/ SOC 277), to study an African language, and to study abroad (https://studyabroad.wisc.edu/programsearch/?Region=2) in Africa.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)

- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies (https://iris.wisc.edu/), we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do international internships, learn foreign languages, and expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students, and prospective students, and more broadly to K–12 teachers and students, postsecondary educators and graduate students, businesses, the media, the military, the community at large, and anyone else who is interested.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about funding through the African Studies Program is available on our website (https://africa.wisc.edu/academics/acedemics-fellowships-and-awards/). We also encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/students/).

EAST ASIAN STUDIES, CERTIFICATE

CERTIFICATE IN EAST ASIAN STUDIES

The certificate in East Asian Studies is offered by the Center for East Asian Studies (https://eastasia.wisc.edu/) (CEAS) and is available to students working toward a baccalaureate degree in any of the University of Wisconsin–Madison schools and colleges, and to University Special students. This certificate meets the needs of students choosing to focus on the East Asian region (China, Korea, Japan, and Tibet) within their primary major, but not wishing to commit to the rigorous language study required by the relevant majors in the Department of Asian Languages and Cultures.

Students select coursework reflecting their interests from myriad classes offered through many university departments and can work toward a variety of undergraduate majors. Upon earning the certificate, this emphasis is noted on the student's transcript. The certificate is of value to students wishing to demonstrate their knowledge of the East Asian region either to potential employers or to graduate schools.

ABOUT CEAS

CEAS began in 1962 as the East Asian Studies program, building on more than 60 years of research and teaching on China, Japan, and Korea at UW–Madison. Over the years it has grown from fewer than a dozen faculty members teaching 30 graduate-level courses to more than 70 faculty members teaching nearly 300 courses at both undergraduate and graduate levels.

CEAS is the focal point connecting East Asia to the University of Wisconsin–Madison. One of UW–Madison's eight federally funded National Resource Centers, CEAS is dedicated to all aspects of research, education, and outreach related to China, Japan, and Korea.

Students interested in more specialized study of the languages and literatures of East Asia, South Asia, or Southeast Asia should see the Department of Asian Languages and Cultures, the Center for South Asia, or the Center for Southeast Asian Studies; those interested in study of languages and cultures of Central Asia should see the Center for Russian, East European, and Central Asian Studies. All questions pertaining to East Asian studies at UW–Madison should be addressed to the Center for East Asian Studies.

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the East Asian Studies certificate should contact the advisor for the program.

Students declared in the Asian Languages and Cultures: East Asian Studies BA/BS/MAJ are not eligible to declare the East Asian Studies certificate.

REQUIREMENTS

REQUIREMENTS

Complete 21 credits representing at least three Subjects, from: [1]

Code	Title	Credits
Core Course		
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
Additional Certificate Requirements		
Complete at least three courses numbered 300 or above from the Certificate Courses list		9
Complete 9 credits of additional electives from the Certificate Courses list		9
Total Credits		**21**

FOOTNOTE

[1] A maximum 12 credits of East Asian language may apply.

CERTIFICATE COURSES

Code	Title	Credits
A A E 319	The International Agricultural Economy	3
A A E/ECON 474	Economic Problems of Developing Areas	3
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ART HIST 575	Proseminar in Japanese Art	3
ART HIST 576	Proseminar in Chinese Art	3
ASIALANG 101	First Semester Chinese	4
ASIALANG 102	Second Semester Chinese	4
ASIALANG 103	First Semester Japanese	4
ASIALANG 104	Second Semester Japanese	4
ASIALANG 105	First Semester Korean	4
ASIALANG 106	Second Semester Korean	4
ASIALANG 110	Elementary Chinese I	2
ASIALANG 111	Elementary Chinese II	2
ASIALANG 113	First Semester Elementary Japanese	2
ASIALANG 114	Second Semester Elementary Japanese	2
ASIALANG 135	First Semester Modern Tibetan	4
ASIALANG 136	Second Semester Modern Tibetan	4
ASIALANG 201	Third Semester Chinese	4
ASIALANG 202	Fourth Semester Chinese	4
ASIALANG 203	Third Semester Japanese	4
ASIALANG 204	Fourth Semester Japanese	4
ASIALANG 205	Third Semester Korean	4
ASIALANG 206	Fourth Semester Korean	4
ASIALANG 211	Heritage Chinese I	3
ASIALANG 212	Heritage Chinese II	3
ASIALANG 235	Third Semester Modern Tibetan	4
ASIALANG 236	Fourth Semester Modern Tibetan	4
ASIALANG 301	Fifth Semester Chinese	4
ASIALANG 302	Sixth Semester Chinese	4
ASIALANG 303	Fifth Semester Japanese	4
ASIALANG 304	Sixth Semester Japanese	4
ASIALANG 305	Fifth Semester Korean	3
ASIALANG 306	Sixth Semester Korean	3
ASIALANG 311	First Semester Classical Chinese	3
ASIALANG 312	Second Semester Classical Chinese	3
ASIALANG 313	Classical Japanese	3
ASIALANG 315	First Semester Classical Chinese for Chinese Speakers	3
ASIALANG 316	Second Semester Classical Chinese for Chinese Speakers	3
ASIALANG 335	Fifth Semester Tibetan	4
ASIALANG 336	Sixth Semester Tibetan	4
ASIALANG 376	Japanese Conversation	3
ASIALANG 377	Business Japanese Communication	3
ASIALANG 378	Chinese Conversation	3
ASIALANG 379	Business Chinese	3
ASIALANG 381	Business Korean	3
ASIALANG 401	Seventh Semester Chinese	3
ASIALANG 403	Seventh Semester Japanese	3
ASIALANG 405	Seventh Semester Korean	3
ASIALANG 406	Eighth Semester Korean	3
ASIALANG 451	Advanced Readings in Japanese	3
ASIALANG 452	Advanced Japanese through Audio-Visual Media	3
ASIALANG 454	Advanced Chinese through Media	3
ASIALANG 456	Advanced Korean Through Audio-Visual Media	3
ASIALANG 457	Advanced Chinese: Reading and Writing	3
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/ HISTORY 108	Introduction to East Asian History - Korea	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 253	Japanese Popular Culture	3
ASIAN 254	Korean Popular Culture	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN 277	Kendo: Integration of Martial Arts and Liberal Arts	2
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	3
ASIAN/ HISTORY 335	The Koreas: Korean War to the 21st Century	3-4
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3

ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 360	Topics in Asian Literature	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN/ HISTORY 363	China and World War II in Asia	3-4
ASIAN 367	Haiku	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 372	Topics in Chinese: Study Abroad	1-6
ASIAN 373	Topics in Japanese: Study Abroad	1-6
ASIAN 374	Korean Cinema	3
ASIAN 375	Survey of Chinese Film	3
ASIAN 376	Manga	3
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN 378	Anime	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 435	Teaching of Japanese	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ASIAN 533	Readings in Early Modern Japanese Literature	3
ASIAN 563	Readings in Modern Japanese Literature	3
ASIAN 573	Readings in Classical Japanese Literature	3
ASIAN 631	History of the Chinese Language	3
ASIAN 632	Studies in Chinese Linguistics	3
ASIAN 633	Chinese Applied Linguistics	3
ASIAN 641	History of Chinese Literature I	3
ASIAN 642	History of Chinese Literature II	3
ASIAN 672	Studies in Chinese Fiction	3
ECON 350	The Chinese Economy	3
ECON 390	Contemporary Economic Issues	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY 340	Cultural History of Korea	3-4
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	3
POLI SCI 324	Chinese Politics	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 346	China in World Politics	3-4
SOC/ASIAN 334	Gender, Work, and Family in East Asia	3
SOC/ASIAN 336	Social Change in Contemporary South Korea	3
THEATRE 351	Fundamentals of Asian Stage Discipline	3
THEATRE 526	The Theatres of China and Japan	3

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 11 certificate credits must be completed in residence

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Historical Grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in the region today.
2. (Multi-disciplinarity) analyzing contemporary political, economic, and cultural realities in the region from at least two disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
3. (Depth of Knowledge) mastering at the undergraduate generalist level a particular facet of life in the region by taking courses on a particular sub-region or country, or by studying a regional language, or by taking at least two courses on the region in one discipline.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students should contact the David Fields (dpfields@wisc.edu), the certificate advisor with questions regarding courses and requirements.

Students interested in international internships should contact the International Internships Program (http://internships.international.wisc.edu/) office.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies (https://iris.wisc.edu/), we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do international internships, learn other languages, and expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students, and prospective students, and more broadly to K–12 teachers and students, postsecondary educators and graduate students, businesses, the media, the military, the community at large, and anyone else who is interested.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Please visit our Funding Opportunities page for information on funding available to CEAS students.

Please join the CEAS mailing list (https://wisc.us19.list-manage.com/subscribe/?u=fccb9f121aa754e663a765bfc&id=c7aa1cbdaf) to receive "This Week at CEAS," a weekly newsletter that contains information on events and opportunities related to East Asia.

EUROPEAN STUDIES, CERTIFICATE

The European Studies Program (https://europe.wisc.edu/), in cooperation with the Center for European Studies, the Jean Monnet European Union Center of Excellence (JMEUCE), and the DAAD Center for German and European Studies (CGES), promotes knowledge and understanding of Europe both on and off campus. Established in 1968, the program provides integrated interdisciplinary studies on contemporary Europe for both undergraduate and graduate students. The program brings together scholars on campus interested in different aspects of Europe to discuss topics of mutual interest. More than 30 departments offer courses on Europe (excluding language courses), providing the largest number of courses on any region of the world other than the United States.

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the undergraduate certificate should contact the Center for European Studies or the undergraduate advisor.

REQUIREMENTS

REQUIREMENTS

LANGUAGE REQUIREMENT

Students may satisfy the European language requirement by taking college courses, or through high school units. There are two options to complete the requirement—students can either complete:

1. Four units of a single European language
   or
2. Three units of one European language and two units of a second European language.

Fourth, Third, and Second Unit Courses

Code	Title	Credits
Fourth unit courses:		
Courses above fourth semester may used to satisfy this requirement.		
FRENCH 204	Fourth Semester French	
GERMAN 204	Fourth Semester German	
GERMAN 214	Fourth Semester Dutch	
GNS 440	Fourth Semester Turkish	
GREEK 306	Fourth Semester Ancient Greek	
ITALIAN 204	Fourth Semester Italian	
PORTUG 202	Fourth Semester Portuguese	
SCAND ST 202	Second Year Norwegian	
SCAND ST 212	Second Year Swedish	
SCAND ST 222	Second Year Danish	
SPANISH 204	Fourth Semester Spanish	
SLAVIC 208	Fourth Semester Polish	
SLAVIC 218	Fourth Semester Czech	
SLAVIC 252	Fourth Semester Serbo-Croatian	
Third unit courses:		
FRENCH 203	Third Semester French	
GERMAN 203	Third Semester German	
GERMAN 213	Third Semester Dutch	
GNS 439	Third Semester Turkish	
GREEK 305	Third Semester Ancient Greek	
ITALIAN 203	Third Semester Italian	

PORTUG 201	Third Semester Portuguese
SCAND ST 201	Second Year Norwegian
SCAND ST 211	Second Year Swedish
SCAND ST 221	Second Year Danish
SPANISH 203	Third Semester Spanish
SLAVIC 207	Third Semester Polish
SLAVIC 217	Third Semester Czech
SLAVIC 251	Third Semester Serbo-Croatian
Second unit courses:	
FRENCH 102	Second Semester French
GERMAN 102	Second Semester German
GERMAN 112	Second Semester Dutch
GNS 340	Second Semester Turkish
GREEK 104	Second Semester Ancient Greek
GREEK 304	Second Semester Ancient Greek
ITALIAN 102	Second Semester Italian
PORTUG 102	Second Semester Portuguese
SCAND ST 102	Second Semester Norwegian
SCAND ST 112	Second Semester Swedish
SCAND ST 122	Second Semester Danish
SCAND ST 132	Second Semester Finnish
SPANISH 102	Second Semester Spanish
SLAVIC 116	Second Semester Czech
SLAVIC 112	Second Semester Polish
SLAVIC 142	Second Semester Serbo-Croatian

EUROPEAN AREA STUDIES REQUIREMENT

Complete seven courses and 21 credits, with courses being taken in at least two **subjects**, and distributed in one of **two** ways:

1. **Option 1:** Seven courses on **Europe as a whole:** focusing on topics such as the European Union, European history, or European literature.
2. **Option 2:** Seven courses distributed across **three or more regional/national areas**. (Students may use Europe as a whole courses in partial fulfillment of this option combined with courses on two other regional/national areas).

Option 1: Europe as a Whole

Code	Title	Credits
Complete seven courses from at least two subjects:		**21**
AFRICAN/ JEWISH/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	
ART HIST/ RELIG ST 115	Religion and Art	
ART HIST 318	Romanesque and Gothic Art and Architecture	
ART HIST 350	19th Century Painting in Europe	
ART HIST 355	History of Photography	
ART HIST/ MEDIEVAL 415	Topics in Medieval Art	
ART HIST 515	Proseminar in Medieval Art	
ART HIST 535	Proseminar in Northern European Painting	
ART HIST 555	Proseminar in 19th Century European Art	
ART HIST 556	Proseminar in 20th Century European Art	
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	
COM ARTS 370	Great Speakers and Speeches	
COMP LIT 201	Introduction to Pre-Modern Literatures/Impact on the Modern World	
COMP LIT 370	Comparative Problems in Periods and Movements	
CURRIC 292	Globalizing Education	
CURRIC 366	Internationalizing Educational Knowledge	
DS 355	History of Fashion, 1400-Present	
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	
ECON 464	International Trade	
ECON 467	International Industrial Organizations	
ED POL/ HISTORY 107	The History of the University in the West	
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	
ED POL 240	Comparative Education	
ED POL 260	Introduction to International Education Development	
ED POL/ INTL ST 335	Globalization and Education	
ED POL/ HISTORY 478	Comparative History of Childhood and Adolescence	
ED POL 675	Introduction to Comparative and International Education	
FOLKLORE 225	Horror as Expressions of National Angst	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 510	Economic Geography	
GERMAN/ RELIG ST/ SOC 273	God & Money	
GERMAN/ LITTRANS 280	From Grimm to Gryffindor: German Fairytales (Re)imagined	
HISTORY 115	Medieval Europe 410-1500	
HISTORY 119	Europe and the World, 1400-1815	
HISTORY 120	Europe and the Modern World 1815 to the Present	
HISTORY 133	Global Military History (5000 BCE - Present)	
HISTORY 137	The History of War in Film	
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	

HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750
HISTORY/ JEWISH 220	Introduction to Modern Jewish History
HISTORY 223	Explorations in European History (H)
HISTORY 224	Explorations in European History (S)
HISTORY/ LEGAL ST 235	Prisons: From Antiquity to Supermax
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY 271	History Study Abroad: European History
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam
HISTORY/ JEWISH 310	The Holocaust
HISTORY/ HIST SCI 323	The Scientific Revolution: From Copernicus to Newton
HISTORY/ ENVIR ST 328	Environmental History of Europe
HISTORY/ INTL ST 330	Global History of Humanitarianism
HISTORY/ GEN&WS 346	Trans/Gender in Historical Perspective
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY 359	History of Europe Since 1945
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
HISTORY 403	Immigration and Assimilation in American History
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ LEGAL ST 476	Medieval Law and Society
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945
HISTORY/ ART HIST/ JOURN/L I S 650	History of Books and Print Culture in Europe and North America
HIST SCI 201	The Origins of Scientific Thought
HIST SCI 202	The Making of Modern Science
HIST SCI 222	Technology and Social Change in History
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 343	The Darwinian Revolution
HIST SCI/ S&A PHM 401	History of Pharmacy
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI 623	Studies in Early Modern Science
ILS 201	Western Culture: Science, Technology, Philosophy I
ILS 202	Western Culture: Science, Technology, Philosophy II
ILS 203	Western Culture: Literature and the Arts I
ILS 204	Western Culture: Literature and the Arts II
ILS 205	Western Culture: Political, Economic, and Social Thought I
ILS 206	Western Culture: Political, Economic, and Social Thought II
ILS/ RELIG ST 234	Genres of Western Religious Writing
ILS 373	Interdisciplinary Studies in the Humanities
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS/ M H R 403	Global Issues in Management
INTL BUS/ MARKETNG 420	Global Marketing Strategy
INTL BUS/ FINANCE 445	Multinational Business Finance
JEWISH 225	Jews and Race
LEGAL ST/ HISTORY 235	Prisons: From Antiquity to Supermax
MARKETNG/ INTL BUS 420	Global Marketing Strategy
MATH/ HIST SCI 473	History of Mathematics
MED HIST/ HIST SCI 212	Bodies, Diseases, and Healers: An Introduction to the History of Medicine
MED HIST/ HIST SCI/ HISTORY 508	Health, Disease and Healing II
MEDIEVAL/ FOLKLORE/ SCAND ST 235	The World of Sagas
MUSIC 306	Great Composers

MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity
MUSIC 411	Survey of Music in the Middle Ages
MUSIC 412	Survey of Music in the Renaissance
MUSIC 413	Survey of Music in the Baroque Era
MUSIC 414	Survey of Music in the Classic Era
MUSIC 415	Survey of Music in the Romantic Era
MUSIC 416	Survey of Music in the Twentieth Century
MUSIC 513	Survey of Opera
PHILOS 432	History of Modern Philosophy
PHILOS 530	Freedom Fate and Choice
PHILOS 549	Great Moral Philosophers
PHILOS 555	Political Philosophy
POLI SCI 364	Christian Political Thought
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 350	International Political Economy
POLI SCI 356	Principles of International Law
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI/ INTL ST 439	The Comparative Study of Genocide
POLI SCI 538	
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
RELIG ST 280	Witches and Wizards: from Hecate to Harry Potter
RELIG ST 320	Prophets and Poets: Women, Writing and Religion in a Time of War, 1642-1660
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SOC/ C&E SOC 475	Classical Sociological Theory
THEATRE 327	History of Costume for the Stage

Option 2: Three Regions/Countries

Complete **seven** courses from at least two **subjects** and from at least **three** regions/countries

Ancient Europe

Code	Title	Credits
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	
ART HIST 301	Myths, Loves, and Lives in Greek Vases	
ART HIST 302	Greek Sculpture	
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	
ART HIST 405	Cities and Sanctuaries of Ancient Greece	
ART HIST 505	Proseminar in Ancient Art	
CLASSICS 100	Legacy of Greece and Rome in Modern Culture	
CLASSICS 103	Nature, Race, and Human Difference	
CLASSICS 111	Classics and Pop Culture	
CLASSICS 120	Fakes, Forgeries, and the Ethical Problems in Classical Antiquities	
CLASSICS/ HISTORY 110	The Ancient Mediterranean	
CLASSICS 150	Ancient Greek and Roman Monsters	
CLASSICS 270	Classical Mythology	
CLASSICS 320	The Greeks	
CLASSICS 322	The Romans	
CLASSICS/ GEN&WS 351	Women and Gender in the Classical World	
CLASSICS/ GEN&WS 361	Sex and Power in Greece and Rome	
CLASSICS 371	Topics in Greek Culture	
CLASSICS 373	Topics in Classical Culture	
CLASSICS 430	Topics in Classical Archaeology	
CLASSICS/ ENVIR ST 488	Greeks, Romans and the Natural Environment	
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean	
CLASSICS 591	Undergraduate Seminar: Approaches to the Classical World	
COM ARTS 570	Classical Rhetorical Theory	
GREEK 401	Readings in Greek Literature	
GREEK 510	Homer	
GREEK 511	Hesiod	
GREEK 512	Greek Lyric Poets	
GREEK 520	Greek Comedy	
GREEK 521	Greek Tragedy	
GREEK 532	Thucydides	
GREEK 551	Attic Orators	
GREEK 560	Hellenistic Greek	
HISTORY 303	A History of Greek Civilization	
ILS/ITALIAN 350	Rome: Lust for Glory	
LATIN 306	Fourth Semester Latin	
LATIN 401	Readings in Latin Literature	
LATIN 515	Vergil	
LATIN 519	Latin Poetry	
LATIN 520	Roman Drama	
LATIN 523	Roman Satire	
LATIN 524	Roman Novel	
LATIN 539	Latin Historical Writers	
LATIN 549	Latin Philosophical Writers	
LATIN 559	Latin Oratory	
PHILOS 430	History of Ancient Philosophy	
PHILOS 454	Classical Philosophers	

POLI SCI/ CLASSICS/ HISTORY 362	Athenian Democracy

Balkans

Code	Title	Credits
LITTRANS 454	History of Serbian and Croatian Literature	
SLAVIC 342	Introduction to Serbian and Croatian Literature	
SLAVIC 449	History of Serbo-Croatian Literature	

Belgium

Code	Title	Credits
Used for Brussels Study Abroad courses		

Central Europe

Code	Title	Credits
Also used for Central European Study Abroad courses		
GERMAN 275	Kafka and the Kafkaesque	
LITTRANS 208	The Writings of Vaclav Havel: Crtitique of Modern Society	

Denmark

Code	Title	Credits
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen	
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen	
SCAND ST 271	Readings in Danish Literature	
SCAND ST 426	Kierkegaard and Scandinavian Literature	
SCAND ST 434	The Art of Isak Dinesen/Karen Blixen	
SCAND ST 475	The Writings of Hans Christian Andersen for Scandinavian Majors	

Eastern Europe

Code	Title	Credits
GEOG/HISTORY/ POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	
GEOG 318	Introduction to Geopolitics	
GNS/ FOLKLORE 200	Folklore of Central, Eastern and Northern Europe	
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	
GNS 375	Philosophy, Theory, Criticism	
GNS 471	Advanced Topics in East European and Central Asian Languages and Cultures	
HISTORY 270	Eastern Europe since 1900	
HISTORY 424	The Soviet Union and the World, 1917-1991	
LITTRANS 207	Slavic Science Fiction through Literature and Film	
LITTRANS 229	Representation of the Jew in Eastern European Cultures	
LITTRANS 241	Literatures and Cultures of Eastern Europe	
LITTRANS 247	Topics in Slavic Literatures in Translation	
LITTRANS/ GERMAN/ JEWISH 269	Yiddish Literature and Culture in Europe	
LITTRANS/ FOLKLORE 327	Vampires	
LITTRANS/ THEATRE 423	In Translation: Slavic Drama in Context	
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	
SLAVIC 242	Literatures and Cultures of Eastern Europe	
SLAVIC 245	Topics in Slavic Literatures	
SLAVIC 246	Escaping Utopia: Cultures after Communism	
SLAVIC/ LITTRANS 259	Adventure in Literature and Film	
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	

Europe as a Whole

Code	Title	Credits
Please see Option 1's Europe as a Whole course list for courses approved for this category.		

Finland

Code	Title	Credits
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	
FOLKLORE/ SCAND ST 443	Sami Culture, Yesterday and Today	
MEDIEVAL/ SCAND ST 444	Kalevala and Finnish Folk-Lore	

France

Code	Title	Credits
COM ARTS 455	French Film	
FRENCH 248	Ethnic Studies in the French/ Francophone World(s)	
FRENCH 271	Literature, Comics, and Film in French	
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)	
LITTRANS 303	Topics in French Literature and Culture	
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	
FRENCH 321	Medieval and Early Modern French Literature	
FRENCH 322	Modern French and Francophone Literature	
FRENCH 325	Visual Culture in French/ Francophone Studies	

FRENCH 345	French Fashion and Literature from the Middle Ages to Today
FRENCH 347	Medieval and Early Modern Culture
FRENCH 348	Modernity Studies
FRENCH 361	Study Abroad: French/Francophone Literature
FRENCH 362	Study Abroad: French/Francophone Civilization
FRENCH 420	Topics in French: Study Abroad
FRENCH 430	Readings in Medieval and Renaissance Literature
FRENCH 431	Readings in Early Modern Literature
FRENCH 461	French/Francophone Literary Studies Across the Centuries
FRENCH 462	French/Francophone Cultural Studies Across the Centuries
FRENCH 464	Literature and Medicine in French-Speaking Cultures
FRENCH 465	French/Francophone Film
FRENCH 467	Aspects of Contemporary French Literature
FRENCH 567	Undergraduate Seminar in French/Francophone Literary Studies
FRENCH 568	Undergraduate Seminar in French/Francophone Cultural Studies
FRENCH 569	Critical Approaches to Literature and Culture: French and Francophone Perspectives
FRENCH 618	Career Strategies for the French-Speaking World
FRENCH 630	The Age of Reason
FRENCH 631	17th-Century French Literature
FRENCH 639	17th-Century Literature
FRENCH 642	Culture and Societies
FRENCH 647	The 20th-Century French Novel
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 358	French Revolution and Napoleon
LITTRANS 209	Masterpieces of French Literature and Culture
LITTRANS 249	Literature in Translation: Nineteenth-Century French Masterpieces
LITTRANS 360	French and Italian Renaissance Literature Online
PHILOS 440	Existentialism

Germany

Code	Title	Credits
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	
GEN&WS/ LITTRANS 270	German Women Writers in Translation	
GERMAN 264	Culture in 20th Century Berlin	
GERMAN 266	Topics in German and/or Yiddish Culture	
GERMAN 267	Yiddish Song and the Jewish Experience	
GERMAN/ JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	
GERMAN 272	Nazi Culture	
GERMAN 275	Kafka and the Kafkaesque	
GERMAN/ LITTRANS 276	Special Topics in German and World Literature/s	
GERMAN 278	Topics in German Culture	
GERMAN/ LITTRANS 280	From Grimm to Gryffindor: German Fairytales (Re)imagined	
GERMAN 305	Literatur des 20. und 21. Jahrhunderts	
GERMAN 362	Topics in German Literature	
GERMAN 367	Study Abroad in German Literature	
GERMAN 368	Study Abroad in German Culture	
GERMAN 372	Topics in German Culture	
GERMAN 385	Honors Seminar in German Literature	
GERMAN 411	Kultur des 20. und 21. Jahrhunderts	
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century	
GERMAN 560	Topics in German Studies	
GERMAN 612	German Literary Movements Since 1750	
GERMAN 683	Senior Honors Seminar in German Literature	
HISTORY 410	History of Germany, 1871 to the Present	
LITTRANS/ GEN&WS 270	German Women Writers in Translation	
LITTRANS 277	Topics in Twentieth-Century German Literature (in Translation)	
PHILOS/ JEWISH 442	Moral Philosophy and the Holocaust	
PHILOS 549	Great Moral Philosophers	
POLI SCI 332	German Politics	

Iceland

Code	Title	Credits
SCAND ST/ FOLKLORE/ MEDIEVAL 235	The World of Sagas	
SCAND ST/ MEDIEVAL 409	Survey of Old Norse-Icelandic Literature	
SCAND ST/ LITTRANS 435	The Sagas of Icelanders in English Translation	

Ireland

Code	Title	Credits
ENGL 454	James Joyce	
FOLKLORE 317	The Irish Tradition	

FOLKLORE/ MEDIEVAL/ SCAND ST 446	Celtic-Scandinavian Cultural Interrelations

Italy

Code	Title	Credits
ART HIST 106	Have Brush, Will Travel: The Italian Renaissance from Florence to Rome	
ART HIST 320	Italian Renaissance Art	
ART HIST 323	From Michelangelo & Raphael to Titian: The Arts in 16th Century Italy	
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art	
ART HIST 420	Topics in Italian Renaissance Art	
COM ARTS/ ITALIAN 460	Italian Film	
HISTORY 307	A History of Rome	
ITALIAN 210	Italian Studies Abroad in the Humanities I	
ITALIAN 230	Modern Italian Culture	
ITALIAN 310	Italian Studies Abroad in the Humanities II	
ITALIAN 321	Studies in Italian Literature and Culture I	
ITALIAN 322	Studies in Italian Literature and Culture II	
ITALIAN/ILS 350	Rome: Lust for Glory	
ITALIAN/ILS/ LITTRANS/ POLI SCI 365	Machiavelli and His World	
ITALIAN 420	Topics in Italian: Study Abroad	
ITALIAN 450	Special Topics in Italian Literature	
ITALIAN 452	Special Topics in Italian Studies: Culture, Film, Language	
ITALIAN 621	The 18th Century	
ITALIAN 622	The 18th Century	
ITALIAN 623	Italian Theatre	
ITALIAN 631	Features in Italian Literature	
ITALIAN 632	Features in Italian Literature	
ITALIAN 636	The Italian Novel	
ITALIAN/ MEDIEVAL 659	Dante's Divina Commedia	
ITALIAN/ MEDIEVAL 671	The 13th Century	
LITTRANS 200	Food Cultures in Italian Literature	
LITTRANS 213	Love and Sex in Italian Comedy	
LITTRANS 248	National Identity in the Global World: The Italian Case	
LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance	
LITTRANS/ MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron	
LITTRANS 260	Italy and the Invention of America: from Columbus to World War II	
LITTRANS 410	In Translation: Special Topics in Italian Literature	

Netherlands

Code	Title	Credits
GERMAN 245	Topics in Dutch Life and Culture	
GERMAN 325	Topics in Dutch Literature	
GERMAN 377	Study Abroad in Dutch Literature	
GERMAN 378	Study Abroad in Dutch Culture	
GERMAN 625	Letterkunde der Lage Landen	
GERMAN 645	Cultuurkunde der Lage Landen	
LITTRANS 326	Topics in Dutch Literature in Translation	

Norway

Code	Title	Credits
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	
SCAND ST 251	Readings in Norwegian Literature	
SCAND ST 422	The Drama of Henrik Ibsen	
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard	

Poland

Code	Title	Credits
LITTRANS/ SLAVIC 215	Love and Death: Introduction to Polish Literature & Culture	
LITTRANS 471	Polish Literature (in Translation), Middle Ages to 1863	
LITTRANS 473	Polish Literature (in Translation) since 1863	
SLAVIC 231	History and Ethics on Film: Polish Cinema	
SLAVIC 307	Study Abroad in Poland	
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	
SLAVIC 470	History of Polish Literature until 1863	
SLAVIC 472	History of Polish Literature after 1863	

Portugal

Code	Title	Credits
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	
PORTUG 361	Portuguese Civilization	
PORTUG 411	Survey of Portuguese Literature before 1825	
PORTUG 467	Survey of Portuguese Literature since 1825	

Scandinavia

Code	Title	Credits
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	
FOLKLORE/ LITTRANS/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	
HISTORY/ SCAND ST 577	Contemporary Scandinavia: Politics and History	
LITTRANS 271	In Translation:Masterpieces of Scandinavian Literature, Middle Ages-1900	
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century	
LITTRANS/ SCAND ST 320	The Nordic Child	
LITTRANS 324	Topics in Scandinavian Literature	
LITTRANS 337	In Translation: 19th Century Scandinavian Fiction	
LITTRANS 350	Scandinavian Decadence in its European Context	
MEDIEVAL/ SCAND ST 430	The Vikings	
SCAND ST 276	Culture & Community in Scandinavia	
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	
SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	
SCAND ST 411	Areas in Scandinavian Literature	
SCAND ST 424	Nineteenth-Century Scandinavian Fiction	
SCAND ST 427	Contemporary Scandinavian Literature	
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard	
SCAND ST 436	Topics in Scandinavian Literature	
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	
SCAND ST 439	Nordic Filmmakers	
SCAND ST/ FOLKLORE 440	Scandinavian American Folklore	
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	
SCAND ST/ FOLKLORE/ MEDIEVAL 446	Celtic-Scandinavian Cultural Interrelations	
SCAND ST 450	Scandinavian Decadence in its European Context	
SCAND ST 476	Scandinavian Life and Civilization II	
SCAND ST 634	Survey of Scandinavian Literature: 1500-1800	
SCAND ST 635	Survey of Scandinavian Literature: 1800-1890	

Spain

Code	Title	Credits
LITTRANS 252	Spanish Literary Masterpieces in Translation	
MEDIEVAL/ SPANISH 414	Literature of the Castilian Middle Age (XII-XV centuries)	
MEDIEVAL/ SPANISH 503	Survey of Medieval Literature	
SPANISH 223	Introduction to Hispanic Cultures	
SPANISH 224	Introduction to Hispanic Literatures	
SPANISH 322	Survey of Early Hispanic Literature	
SPANISH 324	Survey of Modern Spanish Literature	
SPANISH 361	Spanish Civilization	
SPANISH 435	Cervantes	
SPANISH 451	Literature of the Eighteenth and Nineteenth Centuries	
SPANISH 453	Literature of the Twentieth Century	
SPANISH 475	Study Abroad in Hispanic Literatures	
SPANISH 476	Study Abroad in Hispanic Cultures	

Sweden

Code	Title	Credits
LITTRANS/ THEATRE 336	In Translation: The Drama of August Strindberg	
SCAND ST 261	Readings in Swedish Literature	

Switzerland

Code	Title	Credits
FRENCH 568	Undergraduate Seminar in French/ Francophone Cultural Studies	

Turkey

Code	Title	Credits
GNS 460	Readings in Turkish: Contemporary Turkey through Literature and Media	

United Kingdom

Code	Title	Credits
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	
COMP LIT 203	Introduction to Cross-Cultural Literary Forms	
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK	
ENGL 162	Shakespeare	
ENGL 167	British and American Writers	
ENGL 220	Shakespearean Drama	
ENGL 279	Topics in English, Study Abroad - Literature	

ENGL 328	The Sixteenth Century
ENGL 334	Eighteenth Century Literature and Culture
ENGL 335	Stage and Page in the Long Eighteenth Century
ENGL 336	Eighteenth-Century Novel
ENGL 340	Romantic Literature and Culture
ENGL 345	Nineteenth-Century Novel
ENGL 351	Modernist Novel
ENGL 353	British Literature since 1900
ENGL/HISTORY/ RELIG ST 360	Early Medieval England
ENGL 422	Outstanding Figure(s) in Literature before 1800
ENGL/ MEDIEVAL 424	Medieval Drama
ENGL/ MEDIEVAL 425	Medieval Romance
ENGL/ MEDIEVAL 426	Chaucers Courtly Poetry
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales
ENGL 430	Topic in Early Modern Literature and Culture
ENGL 431	Early Works of Shakespeare
ENGL 432	Later Works of Shakespeare
ENGL 433	Spenser
ENGL/ RELIG ST 434	Milton
ENGL 438	Topic in Eighteenth-Century Literature and Culture
ENGL 443	Outstanding Figure(s) in Literature since 1800
ENGL 444	Topic in Romantic or Victorian Literature and Culture
ENGL 453	Topic in British Literature and Culture since 1900
ENGL/ MEDIEVAL 520	Old English
ENGL 546	Topic in Travel Writing before 1800
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENVIR ST 307	Literature of the Environment: Speaking for Nature
HISTORY 123	English History: England to 1688
HISTORY 124	Britain since 1688
HISTORY/ ED POL 622	History of Radical and Experimental Education in the US and UK
MEDIEVAL/ ENGL 423	Topic in Medieval Literature and Culture

RESIDENCE AND QUALITY OF WORK

- Minimum 2.500 GPA on all certificate courses.
- At least 11 certificate credits must be completed in residence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Historical Grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in the region today.
2. (Multi-disciplinarity) analyzing contemporary political, economic, and cultural realities in the region from at least two disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
3. (Depth of knowledge) mastering at the undergraduate generalist level a particular facet of life in the region by taking seven courses on three particular sub-regions or countries or by taking seven courses on the region in more than one discipline
4. (Language knowledge) mastering at undergraduate generalist level a particular facet of life in the region by studying a regional language to the intermediate level.

ADVISING AND CAREERS

ADVISING AND CAREERS

Advising (https://europe.wisc.edu/certificate/) for the certificate is through the Institute for Regional and International Studies (IRIS). The IRIS Assistant Director for Students and Curriculum can assist students in developing a plan of study for the certificate, track progress toward the certificate, explore study abroad and international internship options, and begin the career exploration process. We offer walk-in advising, advising workshops, and scheduled appointments. We strongly encourage students to begin career exploration early on and to make use of the many resources available on campus.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)

- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies (https://iris.wisc.edu/), we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do international internships, learn foreign languages, and expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students and prospective students, and more broadly to K-12 teachers and students, postsecondary educators and graduate students, businesses, the media, the military, the community at large, and anyone else who wants it.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about funding through the Center for European Studies is available on our website (http://europe.wisc.edu/outreach-opportunities/). We also encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/).

INTERNATIONAL STUDIES, BA

International Studies (IS) is an interdisciplinary major with a broad background in international and transnational political, social, economic, commercial, and environmental affairs, together with a comparative study of politics, economics, security, and culture. The goal is to provide students with the necessary tools to understand global processes in their totality and how they are situated and lived in specific regions.

The major provides an integrated program of courses that lays the foundation for professional training in a wide variety of areas. Such a foundation can be invaluable in securing a place in competitive graduate or professional schools, which, in turn, prepare students for government service, or for other careers with an international focus, including those in multinational corporations, international finance, non-governmental organizations, and institutions of teaching and research.

The International Studies major complements numerous majors across campus. Many students choose to double major or enhance their studies with one or more certificates, such as the Global Health certificate or those offered by the area studies centers.

This major is interdisciplinary, offering a wealth of options. Careful planning and consultation with the International Studies advisor is especially important.

OPTIONS IN THE MAJOR:

HUMAN RIGHTS AND HUMANITARIANISM

This named option covers the range of laws, norms, and organizations that address the protection of vulnerable populations and ordinary citizens. This named option covers human rights, as they are codified in the Universal Declaration of Human Rights; hence it covers the civil and political rights, from speech, belief, association, and discrimination, to social, economic, and cultural rights, such as the right to education, health, and water, among others. Human Rights and Humanitarianism also encompasses the organizations and institutions that work to protect and advocate for these rights, inclusive of courses on international law, nonprofit management, and non-state actors in global politics as well as those on specialized multilateral organizations that deal with human rights, such as regional organizations and specialized agencies at the United Nations. The named option similarly addresses social movements for change. It addresses the ways in which civilians are protected when thrust into conditions of hardship, including the laws of war, regimes on migration and forced migration, and efforts to address global health disparities.

GLOBAL SECURITY

This named option covers traditional and non-traditional forms of insecurity, disorder, and violent conflict as well as efforts to resolve and manage conflict. The thematic categories include forms of war, including interstate and civil war, as well as forms of political violence against civilians, such as terrorism, genocide, riots, and massacres. Global Security also covers non-traditional forms of insecurity, such as climate change, biothreats, pandemics and other infectious diseases, cyberattacks and cybersecurity, and food security. This named option also encompasses a range of ways to manage these forms of insecurity, including peacekeeping, other multilateral efforts to mediate conflict, counterinsurgency, and post-conflict peacebuilding.

POLITICS AND POLICY IN THE GLOBAL ECONOMY

This named option offers a multidisciplinary survey of international economic and political institutions and transactions, as well as the policy issues pertaining to international commerce and trade, international finance and monetary relations, international macroeconomic policy coordination, U.S. trade imbalances, aid and development, and related environmental and natural resource problems.

CULTURE IN THE AGE OF GLOBALIZATION

In this named option, students investigate crosscultural interactions at different levels: local, national, and transnational. Students engage in such issues as cosmopolitanism; international and global flows of images, ideas, and people; questions of identity; changing assumptions of what it means to be indigenous and foreign; globalization and technology; and the impact of globalization on cultures.

STUDY ABROAD

International Studies and studying abroad are a natural combination. While study abroad is not a requirement for the major, all International Studies students are strongly encouraged to pursue a significant international

experience during the course of the undergraduate career. Whether through a study abroad program, an internship, or service learning, the experience of studying or working in a foreign culture is invaluable. Many courses taken abroad will count toward the International Studies major. See the International Studies advisor for specific guidelines. More information about study abroad and internships is available through International Academic Programs (http://www.studyabroad.wisc.edu/).

HOW TO GET IN

HOW TO GET IN

Students are advised to declare the major as soon as they are enrolled in INTL ST 101 and/or before studying abroad.

To be eligible to declare the International Studies Major, students must be enrolled or working toward the following courses:

Code	Title	Credits
INTL ST 101	Introduction to International Studies	3-4

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS OF THE MAJOR

Students must declare the major, complete the common requirements, and the requirements for one of these options (p.) within the international studies major:

- Culture in the Age of Globalization
- Global Security
- Politics and Policy in the Global Economy
- Human Rights and Humanitarianism

A student may not declare or earn more than one major option. The major requires 45 credits total between Foundational Requirements and Named Option Requirements. [1]

FOUNDATIONAL REQUIREMENTS

Code	Title	Credits
International Foundations		
INTL ST 101	Introduction to International Studies	3-4
Economic Foundations (complete one of the following):		**3-8**
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
A A E 101 & ECON 102	Introduction to Agricultural and Applied Economics and Principles of Macroeconomics	
POLI SCI 350	International Political Economy	
A A E/ ENVIR ST 244	The Environment and the Global Economy	
Historical Foundations		**3-4**
INTL ST/ HISTORY 146	A Global History of Now	
Regional Foundations		**6-8**
Complete at least one course from "Global South" lists and take either an additional course from "Global South" list or a course from the "Additional Area Studies" List.		
Global South:		
AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ POLI SCI/ SOC 277	Africa: An Introductory Survey	
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GNS/ HISTORY 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	
HISTORY 139	Introduction to the Modern Middle East	
HISTORY 142	History of South Asia to the Present	
HISTORY/ INTL ST/ LACIS 242	Modern Latin America	
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	
HISTORY/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
HISTORY/ ASIAN 341	History of Modern China, 1800-1949	
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	
HISTORY 450	Making of Modern South Asia	
INTL ST 266	Introduction to the Middle East	
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations	
Additional Area Studies:		
GEOG 340	World Regions in Global Context	
GEOG 359	Australia: Environment and Society	
HISTORY 120	Europe and the Modern World 1815 to the Present	
HISTORY 359	History of Europe Since 1945	
HISTORY 410	History of Germany, 1871 to the Present	
HISTORY 418	History of Russia	
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey	
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey	
Language Foundations (Complete one):		**3-4**
AFRICAN 329	Fifth Semester Arabic	
AFRICAN 343	Fifth Semester Summer Arabic	
AFRICAN 435	Fifth Semester Swahili	
ASIALANG 301	Fifth Semester Chinese	
ASIALANG 303	Fifth Semester Japanese	
ASIALANG 305	Fifth Semester Korean	
ASIALANG 323	Fifth Semester Filipino	
ASIALANG 325	Fifth Semester Hmong	
ASIALANG 348	Fifth Semester Indonesian	
ASIALANG 329	Fifth Semester Thai	
ASIALANG 331	Fifth Semester Vietnamese	
ASIALANG 333	Fifth Semester Hindi	
ASIALANG 335	Fifth Semester Tibetan	
ASIALANG 337	Fifth Semester Persian	
ASIALANG 339	Fifth Semester Urdu	
ASIALANG 507	Fifth Semester Southeast Asian Language	
ASIALANG 517	Fifth Semester Summer Asian Language	
ESL 118	Academic Writing II [1]	
FRENCH 228	Intermediate Language and Culture	
FRENCH 271	Literature, Comics, and Film in French	
FRENCH 311	Advanced Composition and Speaking	
GERMAN 249	Intermediate German - Speaking and Listening	
GERMAN 258	Intermediate German-Reading	
GERMAN 262	Intermediate German-Writing	
GERMAN 325	Topics in Dutch Literature	

GERMAN 337	Advanced Composition & Conversation
GREEK 401	Readings in Greek Literature
GREEK 505	Greek Prose Composition
GREEK 560	Hellenistic Greek
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I
HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II
HEBR-BIB/ JEWISH 513	Biblical Texts, Poetry
ITALIAN 230	Modern Italian Culture
ITALIAN 311	Advanced Italian Language
ITALIAN 312	Writing Workshop
ITALIAN 321	Studies in Italian Literature and Culture I
ITALIAN 322	Studies in Italian Literature and Culture II
ITALIAN 631	Features in Italian Literature
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature
LATIN 401	Readings in Latin Literature
PORTUG 225	Third Year Conversation and Composition
SCAND ST 251	Readings in Norwegian Literature
SCAND ST 261	Readings in Swedish Literature
SCAND ST 271	Readings in Danish Literature
SLAVIC 275	Third Year Russian I
SLAVIC 277	Third Year Polish I
SLAVIC 315	Russian Language and Culture I
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar
SPANISH 311	Advanced Language Practice
Total Credits	**18**

OPTIONS IN THE MAJOR

View as listView as grid

- **INTERNATIONAL STUDIES: CULTURE IN AN AGE OF GLOBALIZATION (P. 882)**
- **INTERNATIONAL STUDIES: GLOBAL SECURITY (P. 890)**
- **INTERNATIONAL STUDIES: HUMAN RIGHTS AND HUMANITARIANISM (P. 898)**
- **INTERNATIONAL STUDIES: POLITICS AND POLICY IN THE GLOBAL ECONOMY (P. 906)**

Each option in the major **requires 27 credits.** This is in addition to completing the foundational requirements. Students complete the option-specific requirements for Core, Issues, and Elective classes.[1]

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all INTL ST courses and courses approved for the major
- 2.000 GPA on 15 Upper-Level major credits, taken in residence [2]
- 15 credits in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the International Studies Major in consultation with the International Studies advisor(s). They must declare prior to enrollment in their Senior Honors Thesis (typically second semester of junior year).

REQUIREMENTS FOR HONORS IN THE MAJOR

To earn Honors in the Major in International Studies, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in major courses
- Complete 16 upper-level major credits, taken for Honors, with individual grades of B or better in each course [2, 3]
- Complete a two-semester Senior Honors Thesis, for a total of 6 credits, or two Senior Seminars, with grades of B or better; choose from:

Code	Title	Credits
Senior Honors Thesis (2 courses):		
AFRICAN 681 & AFRICAN 682	Senior Honors Thesis and Senior Honors Thesis	
ECON 681 & ECON 682	Senior Honors Thesis and Senior Honors Thesis	
FRENCH 681 & FRENCH 682	Senior Honors Thesis and Senior Honors Thesis	
GERMAN 681 & GERMAN 682	Senior Honors Thesis-First Semester and Senior Honors Thesis-Second Semester	
HISTORY 681 & HISTORY 682	Senior Honors Thesis and Senior Honors Thesis	
INTL ST 681 & INTL ST 682	Senior Honors Thesis and Senior Honors Thesis	

POLI SCI 681 & POLI SCI 682	Senior Honors Thesis and Senior Honors Thesis
PORTUG 681 & PORTUG 682	Senior Honors Thesis and Senior Honors Thesis
SLAVIC 681 & SLAVIC 682	Senior Honors Thesis and Senior Honors Thesis
SPANISH 681 & SPANISH 682	Senior Honors Thesis and Senior Honors Thesis
Senior Seminar (2 courses):	
INTL ST 601	Topics in Global Security
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 605	

FOOTNOTES

[1] A maximum four courses from a single SUBJECT may be applied to the 27 credits in the named option of the major. This excludes INTL ST courses and courses cross-listed in INTL ST. For example: A student with five POLI SCI courses that could apply to the major will see only four of those courses applying in the International Studies major. (However, if one of those POLI SCI courses is also cross-listed in INTL ST, that course will not count against the limit, and thus, all five POLI SCI courses will apply in the major.) The degree audit (DARS) enforces this limitation.

Though some courses are identified as acceptable for two or more requirements, a course may meet only one requirement within the major. For example, a course that could count in either Option Core or Option Issues will meet only one of those requirements, based on which requirement needs that course to become satisfied. The degree audit (DARS) determines the best scenario.

[2] Major courses designated Intermediate and Advanced level are considered upper-level.

[3] A maximum of two courses and 8 credits from UW–Madison Study Abroad may apply to this requirement.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Interdisciplinarity) analyzing contemporary political, economic, security and cultural realities globally from multi-disciplinary perspectives, ideally including humanities, social sciences, humanitarian, and sometimes natural science approaches.
2. (Depth of knowledge) mastering at the undergraduate generalist level major issues related to key themes in International Studies (e.g. culture, global security and political economy) by taking 15 credits in one particular theme area.
3. (Regional (studies) grounding) understanding the social, political, economic and cultural forces and conditions that have given rise to the unity and diversity of a specific region of the world today.
4. (Language knowledge) mastering at the undergraduate generalist level a particular facet of life in one or more region of the world by studying a language to at least the advanced (5th semester) level.
5. (Analytical skills) demonstrating the ability to think critically and analytically, the capacity to write clearly and effectively, and the ability to identify and evaluate research methods and outcomes.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
INTL ST 101	4	ECON 101	4
World Language	4	World Language	4
Communication A	3	Communication B	4
Quantitative Reasoning A	3	Physical Science Breadth	3
	14		**15**

Sophomore

Fall	Credits	Spring	Credits
Declare the IS Major (before 86 credits)		Issues in IS Major	3
ECON 102	3	Area Studies in IS Major	3
World Language	4	World Language	4
Area Studies in IS Major: Global South	3	Ethnic Studies	3

Biological Science Breadth	3	Literature Breadth	3
INTL ST/HISTORY 146	4	Apply for Summer Internship	
	17		**16**

Junior

Fall	Credits	Spring	Credits
Recommend Study Abroad		Recommend Study Abroad	
Issues in IS Major	3	Elective in IS Major	3
Issues in IS Major	3	Elective	3
5th Semester World Language	3	Elective	3
Science Breadth	3	Elective (or I/A level Math, Comp Sci, or Stats for BS)	3
Literature Breadth	3	Apply for Summer Internship	
	15		**12**

Senior

Fall	Credits	Spring	Credits
Option Core in IS Major	3	Option Core in IS Major	3
Option Core in IS Major	3	Elective in IS Major	3
Science Breadth	3	Elective in IS Major	3
Humanities Breadth	3	Humanities Breadth	3
Elective (Intermediate/ Advanced) (or IA level Math, Comp Sci, or Stats for BS)	3	Elective (Intermediate/ Advanced)	4
	15		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING STAFF

International Studies students have a wide variety of academic advising and career resources and support. Academic advising is essential to a successful undergraduate experience. For this reason, the International Studies major has a professional advisor, a peer advisor, and a career advisor.

We recommend that you meet with your advisor at least once per semester to track progress toward your degree, explore study abroad options, and begin the career exploration process. We offer walk-in advising, advising workshops, and scheduled appointments. Students exploring the International Studies major should plan to attend an Intro to the IS Major workshop (https://ismajor.wisc.edu/intro-to-the-is-major-workshop/), watch the Intro to the IS Major video, or meet with a peer advisor. To learn more about academic advising information, please visit the IS Major website (https://ismajor.wisc.edu/academic-advising/).

Students should also begin the career advising process early. The international studies major offers a one-credit career class designed for sophomores or juniors. Students are strongly encouraged to meet with both the International Studies career advisor and SuccessWorks at the College of Letters & Science, and to apply for internship opportunities, both domestically and via International Internship Programs or the Washington, D.C. Internship Program. The International Studies major also advertises career events across campus that will benefit undergraduate students, hosts career workshops, and has a transition checklist to help students prepare for post-undergraduate life. For more information, please visit our website (https://ismajor.wisc.edu/career-advising/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDY ABROAD

International studies majors are strongly encouraged to study abroad. The International Studies Major website (http://www.ismajor.wisc.edu/about/current-students/study-abroad/) provides information about how to plan your experience abroad.

INTERNSHIP ABROAD

International studies majors are strongly encouraged to study abroad. Please review information on the International Studies Major website (http://www.ismajor.wisc.edu/about/current-students/internships/) and the International Internship Program website (http://internships.international.wisc.edu/) about opportunities.

UNDERGRADUATE RESEARCH

The international studies major encourages students to become engaged in undergraduate research. There are numerous programs (https://teachlearn.wisc.edu/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (https://mcnair.wisc.edu/)
- Summer Research Opportunity Program (https://grad.wisc.edu/diversity/summer-research-opportunity-program/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)

- Wisconsin Idea Fellowship Program (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

For information on scholarships and awards through the International Studies major, please see our website (https://ismajor.wisc.edu/scholarships-and-grants/) or contact our advisors. Students are also strongly encouraged to contact the Awards Office (https://iris.wisc.edu/funding/) at the Institute for Regional and International Studies to explore multiple international awards and scholarships.

INTERNATIONAL STUDIES: CULTURE IN AN AGE OF GLOBALIZATION

REQUIREMENTS

REQUIREMENTS

CULTURE IN AN AGE OF GLOBALIZATION

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Culture in an Age of Globalization Option:

CULTURE IN AN AGE OF GLOBALIZATION CORE

Code	Title	Credits
Complete 9 credits from:		**9**
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ANTHRO 340	Music, Race, And Culture in Brazil	
ART HIST 480	Global Modernisms	
COM ARTS 458	Global Media Cultures	
COM ARTS 461	Global Art Cinema	
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	
ED POL/ ANTHRO 570	Anthropology and Education	
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South	
GEOG 518	Power, Place, Identity	
GEOG/ ENVIR ST 537	Culture and Environment	
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity	
INTL ST 403	Topics in Culture in the Age of Globalization	
INTL ST 603	Topics in Culture in the Age of Globalization	
JOURN 620	International Communication	
JOURN 567	Mass Media and Global Communication	
LINGUIS/ ANTHRO 430	Language and Culture	
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	
SPANISH 455	Contemporary Mayas: A Culture of Nature	
THEATRE 424	Contemporary World Theatre and Dramatic Literature	
PSYCH 528	Cultural Psychology	
Total Credits		**9**

CULTURE IN AN AGE OF GLOBALIZATION ISSUES

Code	Title	Credits
Complete 9 credits from:		**9**
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	
AFRICAN 230	Introduction to Yoruba Life and Culture	
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	
AFRICAN 300	African Literature in Translation	
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFRICAN 412	Contemporary African Fiction	
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	
AFRICAN/ FRENCH 440	African/Francophone Film	

AFRICAN/ PORTUG 451	Lusophone African Literature
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture
AFROAMER/ GEN&WS 333	Black Feminisms
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas
ANTHRO 300	Cultural Anthropology: Theory and Ethnography
ASIAN 253	Japanese Popular Culture
ASIAN 254	Korean Popular Culture
ASIAN 300	Topics in Asian Studies
ASIAN 301	Social Science Topics in Asian Studies
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method
ASIAN 311	Modern Indian Literatures
ASIAN 357	Japanese Ghost Stories
ASIAN 367	Haiku
ASIAN 374	Korean Cinema
ASIAN 375	Survey of Chinese Film
ASIAN 376	Manga
ASIAN 378	Anime
ASIAN 403	Southeast Asian Literature
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia
ASIAN/ ART HIST 428	Visual Cultures of India
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST 411	Topics in Asian Art
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp.African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
DANCE/ THEATRE 218	African Dance Performance
DS/ LAND ARC 639	Culture and Built Environment
ED POL/ ANTHRO 570	Anthropology and Education
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
FOLKLORE 317	The Irish Tradition
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEOG 101	Introduction to Human Geography
GEOG 340	World Regions in Global Context
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 537	Culture and Environment
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod Europe)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900 to Today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)

HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 225	Explorations in Third World History (H)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (History of War in Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 340	Cultural History of Korea
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs Lit Latin America)
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JOURN 567	Mass Media and Global Communication
JOURN 620	International Communication
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
MUSIC 416	Survey of Music in the Twentieth Century
POLI SCI 363	Literature and Politics
PORTUG/ GEN&WS 450	Brazillian Women Writers
PSYCH 528	Cultural Psychology
RELIG ST 400	Topics in Religious Studies - Humanities
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SLAVIC 242	Literatures and Cultures of Eastern Europe
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

CULTURE IN AN AGE OF GLOBALIZATION ELECTIVES

Complete 9 credits of Culture in an Age of Globalization electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 246	Climate Change Economics and Policy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 352	Global Health: Economics, Natural Systems, and Policy	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Socialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)	
ASIAN/ ART HIST 379	Cities of Asia	
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)	
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators	
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	
ANTHRO/ MED HIST 231	Introduction to Social Medicine	
ANTHRO 339	Archaeology of Warfare and Human Nature	
ANTHRO 350	Political Anthropology	
ANTHRO 365	Medical Anthropology	
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems	
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts	
BOTANY 240	Plants and Humans	
C&E SOC/ SOC 222	Food, Culture, and Society	
C&E SOC/ SOC 245	Technology and Society	
C&E SOC/ SOC 341	Labor in Global Food Systems	
C&E SOC 375	Special Topics (Who are the Palestinians?)	
C&E SOC/ CURRIC/ ENVIR ST 405	Education for Sustainable Communities	
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	
C&E SOC/SOC/ URB R PL 617	Community Development	
CURRIC 292	Globalizing Education	
CURRIC 366	Internationalizing Educational Knowledge	
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	
CHICLA/ POLI SCI 302	Mexican-American Politics	
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas	
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration	
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse Dictars Demago Extmts)	
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	
COM ARTS 379	Global Technology & Digital Culture	
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond	
COM ARTS 470	Contemporary Political Discourse	
COM ARTS 474	Rhetoric of the Cold War	

COM ARTS 573	Rhetoric of Globalization and Transnationalism
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 212	Education for Social Justice
ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL 320	Climate Change, Sustainability, and Education
ED POL/ INTL ST 335	Globalization and Education
ED POL 423	Education for Global Change
ED POL 435	Education in Emergencies
ED POL 595	Language Politics and Education
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST/ HISTORY 465	Global Environmental History
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
F&W ECOL/ ENVIR ST 100	Forests of the World
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS 441	Contemporary Feminist Theories
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEN&WS 533	Special Topics in Gender and Biology (Migration Human Trafficking)

GEOG/ ENVIR ST 139	Global Environmental Issues	
GEOG 301	Revolutions and Social Change	
GEOG 302	Economic Geography: Locational Behavior	
GEOG/ URB R PL 305	Introduction to the City	
GEOG 307	International Migration, Health, and Human Rights	
GEOG 318	Introduction to Geopolitics	
GEOG/ ENVIR ST 333	Green Urbanism	
GEOG/ ENVIR ST 339	Environmental Conservation	
GEOG 340	World Regions in Global Context	
GEOG 510	Economic Geography	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
GEOSCI/ ENVIR ST 411	Energy Resources	
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion	
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)	
HIST SCI 360	Health Inequalities in the Long 20th Century	
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II	
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society	
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	
HISTORY 201	The Historian's Craft (1945 in Europe)	
HISTORY 201	The Historian's Craft (Global Migrations)	
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)	
HISTORY 201	The Historian's Craft (Postcolonialism)	
HISTORY 201	The Historian's Craft (History of Huamitarianism)	
HISTORY 201	The Historian's Craft (Global History of Human Rights)	
HISTORY 201	The Historian's Craft (Mass Migrations)	
HISTORY 201	The Historian's Craft (Global Inequality)	
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)	
HISTORY 201	The Historian's Craft (Japan after 1945)	
HISTORY 201	The Historian's Craft (Tech. Rev in Middle East)	
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)	
HISTORY 201	The Historian's Craft (Russia and America)	
HISTORY 201	The Historian's Craft (The Arab Spring)	
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)	
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emregence of Capitalism)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: A Global History)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)	
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	
HISTORY/ JEWISH 310	The Holocaust	
HISTORY/ ASIAN 319	The Vietnam Wars	
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	
HISTORY 348	France from Napoleon to the Great War, 1799-1914	
HISTORY 349	Contemporary France, 1914 to the Present	
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	
HISTORY 357	The Second World War	
HISTORY/ ASIAN 363	China and World War II in Asia	

HISTORY 403	Immigration and Assimilation in American History
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-Violence)
HISTORY 600	Advanced Seminar in History (Gen, War, Crim, Human Rts - 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 600	Advanced Seminar in History (The European Union in History)
HISTORY 600	Advanced Seminar in History (Empire Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
INTER-LS 106	First-Year Seminar in the Social Sciences
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ ED POL 335	Globalization and Education
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 601	Topics in Global Security
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 605	
INTL ST 620	Topics in International Studies
JEWISH/ POLI SCI 341	Israeli Politics and Society
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
JOURN 618	Mass Communication and Political Behavior
LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST/ GEN&WS 422	Women and the Law

LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
MARKETNG 350	Global Immersion in Marketing
MED HIST 559	Topics in Ethics and History of Medicine
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 339	Non-Democracies
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 346	China in World Politics
POLI SCI 347	Terrorism
POLI SCI 348	Analysis of International Relations
POLI SCI 349	Global Access to Justice
POLI SCI 350	International Political Economy
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics
POLI SCI 354	International Institutions and World Order
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Global Access to Justice)
POLI SCI 400	Topics in Political Science (Transitional Justice World Pol)
POLI SCI 400	Topics in Political Science (LGBTQ+ World Politics)
POLI SCI 400	Topics in Political Science (Internat'l Environ Politics)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy)
POLI SCI 400	Topics in Political Science (Asia-Pacific Sec Foreign Rel)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
POP HLTH 640	Foundations in Global Health Practice
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
RELIG ST 475	Religion, Global and Public Health
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SLAVIC 243	Contemporary Russia: History, Politics, and Culture

SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC 633	Social Stratification
SOC/ C&E SOC 652	Sociology of Economic Institutions
SOC WORK 627	Sex Trafficking and Sex Trading
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 479	Latin American Literature and Human Rights

INTERNATIONAL STUDIES: GLOBAL SECURITY

The Global Security named option is being renamed Global Peace and Security. Students will be able to earn a named option in Global Security through the end of Summer 2027. Beginning in Fall 2027, the award will be the named option in Global Peace and Security.

REQUIREMENTS

REQUIREMENTS

GLOBAL SECURITY OPTION

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Global Security Option:

GLOBAL SECURITY CORE

Code	Title	Credits
Complete 9 credits from:		**9**
COM ARTS 470	Contemporary Political Discourse	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
ED POL 320	Climate Change, Sustainability, and Education	
ED POL 423	Education for Global Change	
GEOG 301	Revolutions and Social Change	
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	
HISTORY/ LEGAL ST 426	The History of Punishment	
INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America	
INTL ST 401	Topics in Global Security	
INTL ST/ POLI SCI 431	Contentious Politics	
INTL ST 501	Study Abroad Topics in Global Security	
INTL ST 601	Topics in Global Security	
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas	
PL PATH 311	Global Food Security	
POLI SCI 343	Theories of International Security	
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences	
POLI SCI 345	Conflict Resolution	
POLI SCI 437	Nationalism and Ethnic Conflict	
POLI SCI 358	States in the World: Comparative Foreign Policy	
POLI SCI 359	American Foreign Policy	
POLI SCI 377	Nuclear Weapons and World Politics	
POLI SCI 529	Arab-Israeli Conflict	

GLOBAL SECURITY ISSUES

Code	Title	Credits
Complete 9 Credits from:		**9**
A A E 246	Climate Change Economics and Policy	
ANTHRO 339	Archaeology of Warfare and Human Nature	
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems	
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts	
C&E SOC/ SOC 245	Technology and Society	
CURRIC 292	Globalizing Education	
CURRIC 366	Internationalizing Educational Knowledge	
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse Dictars, Demago, Extmts)	
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	

COM ARTS 379	Global Technology & Digital Culture
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 573	Rhetoric of Globalization and Transnationalism
ED POL 320	Climate Change, Sustainability, and Education
ED POL/CHICLA/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
ED POL 423	Education for Global Change
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST/ HISTORY 465	Global Environmental History
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
GEOG 301	Revolutions and Social Change
GEOG 340	World Regions in Global Context
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe
HISTORY 201	The Historian's Craft (Japan after 1945)
HISTORY 201	The Historian's Craft (Tech. Rev. in Middle East)
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)
HISTORY 201	The Historian's Craft (Russia and America)
HISTORY 201	The Historian's Craft (The Arab Spring)
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: a Global History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY/ ASIAN 363	China and World War II in Asia
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY 600	Advanced Seminar in History (Emp Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 601	Topics in Global Security
INTL ST 620	Topics in International Studies
JEWISH/ POLI SCI 341	Israeli Politics and Society
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security

POLI SCI 339	Non-Democracies
POLI SCI 342	State-Building: How States Are Formed, Function, and Influence Society
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 347	Terrorism
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Asia-Pacific Sec Foreign Rel)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
SLAVIC 243	Contemporary Russia: History, Politics, and Culture

GLOBAL SECURITY ELECTIVES

Complete 9 credits of Global Security electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 352	Global Health: Economics, Natural Systems, and Policy	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Socialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	
AFRICAN 230	Introduction to Yoruba Life and Culture	
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	
AFRICAN 300	African Literature in Translation	
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFRICAN 412	Contemporary African Fiction	
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	
AFRICAN/ FRENCH 440	African/Francophone Film	
AFRICAN/ PORTUG 451	Lusophone African Literature	
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	
AFROAMER/ GEN&WS 333	Black Feminisms	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ASIAN 253	Japanese Popular Culture	
ASIAN 254	Korean Popular Culture	
ASIAN 268	Tibetan Cultures and Traditions	
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)	
ASIAN 301	Social Science Topics in Asian Studies	
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	
ASIAN 311	Modern Indian Literatures	

ASIAN 357	Japanese Ghost Stories
ASIAN 367	Haiku
ASIAN 371	Topics in Chinese Literature
ASIAN 374	Korean Cinema
ASIAN 375	Survey of Chinese Film
ASIAN 376	Manga
ASIAN 378	Anime
ASIAN/ ART HIST 379	Cities of Asia
ASIAN 403	Southeast Asian Literature
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia
ASIAN/ ART HIST 428	Visual Cultures of India
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges
ANTHRO/ MED HIST 231	Introduction to Social Medicine
ANTHRO 300	Cultural Anthropology: Theory and Ethnography
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO 350	Political Anthropology
ANTHRO 365	Medical Anthropology
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST 411	Topics in Asian Art
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp. African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
BOTANY 240	Plants and Humans
C&E SOC/ SOC 222	Food, Culture, and Society
C&E SOC/A A E/ SOC 340	Issues in Food Systems
C&E SOC/SOC/ URB R PL 617	Community Development
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COMP LIT 203	Introduction to Cross-Cultural Literary Forms
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
DS/ LAND ARC 639	Culture and Built Environment
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 212	Education for Social Justice

ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL/ INTL ST 335	Globalization and Education
ED POL 435	Education in Emergencies
ED POL/ ANTHRO 570	Anthropology and Education
ED POL 595	Language Politics and Education
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
ENVIR ST/ HISTORY 465	Global Environmental History
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
F&W ECOL/ ENVIR ST 100	Forests of the World
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 310	Special Topics in Gender, Women and the Humanities
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEN&WS 441	Contemporary Feminist Theories
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEN&WS 533	Special Topics in Gender and Biology (Migration Human Trafficking)
GEOG 101	Introduction to Human Geography
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG 302	Economic Geography: Locational Behavior
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG 318	Introduction to Geopolitics
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 510	Economic Geography
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ ENVIR ST 537	Culture and Environment
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
GEOSCI/ ENVIR ST 411	Energy Resources

GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Humanitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)
HISTORY 201	The Historian's Craft (Mass Migrations)
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (The Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod. Europe)
HISTORY 201	The Historian's Craft (Global Inequality)
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900-today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The History of War in Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emergence of Capitalism)
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY/ JEWISH 310	The Holocaust
HISTORY 340	Cultural History of Korea
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
HISTORY 403	Immigration and Assimilation in American History
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-Violence)
HISTORY 600	Advanced Seminar in History (Gen, War Crim, Human Rts - 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 600	Advanced Seminar in History (The European Union in History)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs, Lit Latin America)

INTER-LS 106	First-Year Seminar in the Social Sciences
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ HISTORY 330	Global History of Humanitarianism
INTL ST/ ED POL 335	Globalization and Education
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 605	
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JEWISH/ POLI SCI 341	Israeli Politics and Society
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN 567	Mass Media and Global Communication
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
JOURN 618	Mass Communication and Political Behavior
JOURN 620	International Communication
LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST/ GEN&WS 422	Women and the Law
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture

LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
LITTRANS 473	Polish Literature (in Translation) since 1863
MARKETNG 350	Global Immersion in Marketing
MARKETNG/ INTL BUS 420	Global Marketing Strategy
MED HIST 559	Topics in Ethics and History of Medicine
MUSIC 416	Survey of Music in the Twentieth Century
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 348	Analysis of International Relations
POLI SCI 349	Global Access to Justice
POLI SCI 350	International Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 363	Literature and Politics
POLI SCI 370	Islam and Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Gender Authoritarian Politics)
POLI SCI 400	Topics in Political Science (Internat'l Environ Politics)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy)
POLI SCI 401	Selected Topics in Political Science (Global Access to Justice)
POLI SCI 401	Selected Topics in Political Science (Transitional Justice World Pol)
POLI SCI 401	Selected Topics in Political Science (LGBTQ+ World Politics)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
POP HLTH 640	Foundations in Global Health Practice
PORTUG/ GEN&WS 450	Brazillian Women Writers
PSYCH 528	Cultural Psychology
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
RELIG ST 400	Topics in Religious Studies - Humanities
RELIG ST 475	Religion, Global and Public Health
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SLAVIC 242	Literatures and Cultures of Eastern Europe
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC 633	Social Stratification

SOC/ C&E SOC 652	Sociology of Economic Institutions
SOC WORK 627	Sex Trafficking and Sex Trading
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH 479	Latin American Literature and Human Rights
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

INTERNATIONAL STUDIES: HUMAN RIGHTS AND HUMANITARIANISM

REQUIREMENTS

REQUIREMENTS

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Human Rights and Humanitarianism Option:

HUMAN RIGHTS AND HUMANITARIANISM CORE

Code	Title	Credits
Complete 9 credits from:		**9**
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
CSCS 410	Human Trafficking: Global and Local Perspectives	
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	
CSCS 500	Global Health and Communities: From Research to Praxis	
DS 521	Environments of Crisis & Design	
DS 527	Global Artisans	
ED POL 435	Education in Emergencies	
ED POL 595	Language Politics and Education	
GEOG 307	International Migration, Health, and Human Rights	
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society	
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	
INTL ST 405	Topics in Human Rights and Humanitarianism	
INTL ST/ POLI SCI 434	The Politics of Human Rights	
INTL ST/ POLI SCI 439	The Comparative Study of Genocide	
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights	
INTL ST 605		
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust, Testimony and Expression)	
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)	
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education	
LEGAL ST 409	Human Rights in Law and Society	
PHILOS 555	Political Philosophy	
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics	
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	
RELIG ST 475	Religion, Global and Public Health	
SOC 626	Social Movements	
SOC WORK 627	Sex Trafficking and Sex Trading	
SPANISH 479	Latin American Literature and Human Rights	

HUMAN RIGHTS AND HUMANITARIANISM ISSUES

Code	Title	Credits
Complete 9 credits from:		**9**
A A E 352	Global Health: Economics, Natural Systems, and Policy	
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	

ASIAN 300	Topics in Asian Studies (Cambodian Genocide)
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges
ANTHRO/ MED HIST 231	Introduction to Social Medicine
ANTHRO 365	Medical Anthropology
BOTANY 240	Plants and Humans
C&E SOC/ SOC 222	Food, Culture, and Society
C&E SOC/ SOC 341	Labor in Global Food Systems
C&E SOC 375	Special Topics (Who are the Palestinians)
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
COM ARTS 310	Topics in Rhetoric and Communication Science (Reproductive Rights Rhetoric)
COM ARTS 573	Rhetoric of Globalization and Transnationalism
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
ED POL 212	Education for Social Justice
ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education
ED POL 435	Education in Emergencies
ED POL 595	Language Politics and Education
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean

HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Humanitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)
HISTORY 201	The Historian's Craft (Mass Migrations)
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY/ JEWISH 310	The Holocaust
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 403	Immigration and Assimilation in American History
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-violence)
HISTORY 600	Advanced Seminar in History (GEN, WAR CRIM, HUM RTS - 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
INTL ST/ HISTORY 330	Global History of Humanitarianism
INTL ST/ ED POL 335	Globalization and Education
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 605	
INTL ST 620	Topics in International Studies
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (Politics of Human Rights)
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
LACIS/ SPANISH 285	Race and Culture in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
POLI SCI 349	Global Access to Justice
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Gender Authoritarian Politcs)
POLI SCI 401	Selected Topics in Political Science (Global Access to Justice)
POLI SCI 401	Selected Topics in Political Science (Transitional Justice World Pol)
POLI SCI 401	Selected Topics in Political Science (LGBTQ+ World Politics)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
RELIG ST 475	Religion, Global and Public Health
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC WORK 627	Sex Trafficking and Sex Trading
SOC 633	Social Stratification

SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH 479	Latin American Literature and Human Rights

HUMAN RIGHTS AND HUMANITARIANISM ELECTIVES

Complete 9 credits of Human Rights and Humanitarianism electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 246	Climate Change Economics and Policy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Socialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	
AFRICAN 230	Introduction to Yoruba Life and Culture	
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	
AFRICAN 300	African Literature in Translation	
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFRICAN 412	Contemporary African Fiction	
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	
AFRICAN/ FRENCH 440	African/Francophone Film	
AFRICAN/ PORTUG 451	Lusophone African Literature	
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	
AFROAMER/ GEN&WS 333	Black Feminisms	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ASIAN 253	Japanese Popular Culture	
ASIAN 254	Korean Popular Culture	
ASIAN 268	Tibetan Cultures and Traditions	
ASIAN 300	Topics in Asian Studies	
ASIAN 301	Social Science Topics in Asian Studies	
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	
ASIAN 311	Modern Indian Literatures	
ASIAN 357	Japanese Ghost Stories	
ASIAN 367	Haiku	
ASIAN 371	Topics in Chinese Literature	
ASIAN 374	Korean Cinema	
ASIAN 375	Survey of Chinese Film	
ASIAN 376	Manga	
ASIAN 378	Anime	
ASIAN/ ART HIST 379	Cities of Asia	
ASIAN 403	Southeast Asian Literature	
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	
ASIAN/ ART HIST 428	Visual Cultures of India	
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ANTHRO 339	Archaeology of Warfare and Human Nature	
ANTHRO 340	Music, Race, And Culture in Brazil	
ANTHRO 350	Political Anthropology	
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST 411	Topics in Asian Art	

ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp. African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts
C&E SOC/ SOC 245	Technology and Society
C&E SOC/ SOC 341	Labor in Global Food Systems
C&E SOC 375	Special Topics
C&E SOC/ CURRIC/ ENVIR ST 405	Education for Sustainable Communities
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability
C&E SOC/SOC/ URB R PL 617	Community Development
CURRIC 292	Globalizing Education
CURRIC 366	Internationalizing Educational Knowledge
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse Dictars, Demago, Extmts)
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 379	Global Technology & Digital Culture
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COMP LIT 203	Introduction to Cross-Cultural Literary Forms
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
DS/ LAND ARC 639	Culture and Built Environment
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL 320	Climate Change, Sustainability, and Education
ED POL/ INTL ST 335	Globalization and Education
ED POL 423	Education for Global Change
ED POL/ ANTHRO 570	Anthropology and Education
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present

ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST/ HISTORY 465	Global Environmental History
F&W ECOL/ ENVIR ST 100	Forests of the World
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
FOLKLORE 317	The Irish Tradition
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEN&WS 310	Special Topics in Gender, Women and the Humanities
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEOG 101	Introduction to Human Geography
GEOG 301	Revolutions and Social Change
GEOG 302	Economic Geography: Locational Behavior
GEOG 318	Introduction to Geopolitics
GEOG 340	World Regions in Global Context
GEOG 510	Economic Geography
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ ENVIR ST 537	Culture and Environment
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
GEOSCI/ ENVIR ST 411	Energy Resources
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (The Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod. Europe)
HISTORY 201	The Historian's Craft (Japan After 1945)
HISTORY 201	The Historian's Craft (Tech. Rev. in Middle East)
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)
HISTORY 201	The Historian's Craft (Russia and America)
HISTORY 201	The Historian's Craft (The Arab Spring)
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)
HISTORY 201	The Historian's Craft (Global Inequality)
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900-Today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)

HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The History of War on Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: A Global History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emergence of Capitalism)
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century
HISTORY 340	Cultural History of Korea
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY/ ASIAN 363	China and World War II in Asia
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (Empire Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
HISTORY 600	Advanced Seminar in History (The European Union in History)
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs, Lit Latin America)
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST 601	Topics in Global Security
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture

JEWISH/ POLI SCI 341	Israeli Politics and Society
JOURN 567	Mass Media and Global Communication
JOURN 618	Mass Communication and Political Behavior
JOURN 620	International Communication
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST/ GEN&WS 422	Women and the Law
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
MARKETNG 350	Global Immersion in Marketing
MARKETNG/ INTL BUS 420	Global Marketing Strategy
MUSIC 416	Survey of Music in the Twentieth Century
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 339	Non-Democracies
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 346	China in World Politics
POLI SCI 347	Terrorism
POLI SCI 348	Analysis of International Relations
POLI SCI 350	International Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 363	Literature and Politics
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Asia - Pacific Sec Foreign Rel)
POLI SCI 400	Topics in Political Science (Internat'l Environ Politics)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)

POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
PORTUG/ GEN&WS 450	Brazillian Women Writers
POP HLTH 640	Foundations in Global Health Practice
POP HLTH 644	Interdisciplinary Perspectives on Global Health and Disease
PSYCH 528	Cultural Psychology
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
RELIG ST 400	Topics in Religious Studies - Humanities
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SLAVIC 242	Literatures and Cultures of Eastern Europe
SLAVIC 243	Contemporary Russia: History, Politics, and Culture
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC/ C&E SOC 652	Sociology of Economic Institutions
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

INTERNATIONAL STUDIES: POLITICS AND POLICY IN THE GLOBAL ECONOMY

REQUIREMENTS

REQUIREMENTS

POLITICS AND POLICY IN THE GLOBAL ECONOMY OPTION REQUIREMENTS

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Politics and Policy in the Global Economy Option:

POLITICS AND POLICY IN THE GLOBAL ECONOMY CORE

Code	Title	Credits
Complete 9 Credits From:		**9**
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON 474	Economic Problems of Developing Areas	
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	
ECON 350	The Chinese Economy	
ECON 464	International Trade	
ECON 475	Economics of Growth	
GEOG 302	Economic Geography: Locational Behavior	
GEOG 510	Economic Geography	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
INTL BUS/A A E/ ECON 462	Latin American Economic Development	
HISTORY 434	American Foreign Relations, 1901 to the Present	
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity	

INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 602	Topics in Politics and Policy in the Global Economy
JEWISH/ POLI SCI 341	Israeli Politics and Society
POLI SCI 330	Political Economy of Development
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 538	
PUB AFFR 352	Women, Gender, and Public Policy
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC/ C&E SOC 652	Sociology of Economic Institutions

POLITICS AND POLICY IN THE GLOBAL ECONOMY ISSUES

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Sociialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	
ANTHRO 350	Political Anthropology	
ASIAN/ ART HIST 379	Cities of Asia	
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond	
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	
C&E SOC/SOC/ URB R PL 617	Community Development	
CHICLA/ POLI SCI 302	Mexican-American Politics	
ECON 330	Money and Banking	
ECON 350	The Chinese Economy	
ECON 370	Economics of Poverty and Inequality	
ECON 390	Contemporary Economic Issues	
ECON 461	International Macroeconomics	
ECON 464	International Trade	
ECON 467	International Industrial Organizations	
ECON 475	Economics of Growth	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
ED POL 150	Education and Public Policy	
ED POL 245	Education in East Asia	
ED POL 260	Introduction to International Education Development	
ED POL/ INTL ST 335	Globalization and Education	
ENVIR ST/A A E/ ECON 343	Environmental Economics	
ENVIR ST 349	Climate Change Governance	
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)	
F&W ECOL/ ENVIR ST 100	Forests of the World	
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	
GEOG 302	Economic Geography: Locational Behavior	
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context	
GEOG 510	Economic Geography	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
GEOSCI/ ENVIR ST 411	Energy Resources	

HISTORY 201	The Historian's Craft (Global Inequality)
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emergence of Capitalism)
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (European Union in History)
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 620	Topics in International Studies
JEWISH/ POLI SCI 341	Israeli Politics and Society
JOURN 618	Mass Communication and Political Behavior
LEGAL ST/ GEN&WS 422	Women and the Law
MARKETNG 350	Global Immersion in Marketing
MARKETNG/ INTL BUS 420	Global Marketing Strategy
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 348	Analysis of International Relations
POLI SCI 350	International Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Internat'l Environ Politcs)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy Policy)
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC/ C&E SOC 652	Sociology of Economic Institutions
SPANISH/ INTL BUS 329	Spanish for Business
Total Credits	**9**

POLITICS AND POLICY IN THE GLOBAL ECONOMY ELECTIVES

Complete 9 credits of Politics and Policy in the Global Economy electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E 246	Climate Change Economics and Policy	
A A E 352	Global Health: Economics, Natural Systems, and Policy	
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	

AFRICAN 230	Introduction to Yoruba Life and Culture
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction
AFRICAN 300	African Literature in Translation
AFRICAN 304	Soccer in Africa
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture
AFRICAN 405	Topics in African Cultural Studies
AFRICAN 406	Topics in African Literature
AFRICAN/ RELIG ST 408	Everyday Religion in Africa
AFRICAN 412	Contemporary African Fiction
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama
AFRICAN/ FRENCH 440	African/Francophone Film
AFRICAN/ PORTUG 451	Lusophone African Literature
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture
AFROAMER/ GEN&WS 333	Black Feminisms
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas
ASIAN 253	Japanese Popular Culture
ASIAN 254	Korean Popular Culture
ASIAN 268	Tibetan Cultures and Traditions
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)
ASIAN 301	Social Science Topics in Asian Studies
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method
ASIAN 311	Modern Indian Literatures
ASIAN 357	Japanese Ghost Stories
ASIAN 367	Haiku
ASIAN 371	Topics in Chinese Literature
ASIAN 374	Korean Cinema
ASIAN 375	Survey of Chinese Film
ASIAN 376	Manga
ASIAN 378	Anime
ASIAN 403	Southeast Asian Literature
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia
ASIAN/ ART HIST 428	Visual Cultures of India
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges
ANTHRO/ MED HIST 231	Introduction to Social Medicine
ANTHRO 300	Cultural Anthropology: Theory and Ethnography
ANTHRO 339	Archaeology of Warfare and Human Nature
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO 365	Medical Anthropology
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST 411	Topics in Asian Art
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts
BOTANY 240	Plants and Humans
C&E SOC/ SOC 222	Food, Culture, and Society
C&E SOC/ SOC 245	Technology and Society
C&E SOC/ SOC 341	Labor in Global Food Systems
C&E SOC 375	Special Topics (Who are the Palestinians)
C&E SOC/ CURRIC/ ENVIR ST 405	Education for Sustainable Communities
CURRIC 292	Globalizing Education

CURRIC 366	Internationalizing Educational Knowledge
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse, Dictars, Demago, Extmts)
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 379	Global Technology & Digital Culture
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COMP LIT 203	Introduction to Cross-Cultural Literary Forms
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
DS/ LAND ARC 639	Culture and Built Environment
ED POL 212	Education for Social Justice
ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education
ED POL 320	Climate Change, Sustainability, and Education
ED POL 423	Education for Global Change
ED POL 435	Education in Emergencies
ED POL/ ANTHRO 570	Anthropology and Education
ED POL 595	Language Politics and Education
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)

ENVIR ST/ HISTORY 465	Global Environmental History
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
FOLKLORE 317	The Irish Tradition
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 310	Special Topics in Gender, Women and the Humanities
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEN&WS 441	Contemporary Feminist Theories
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEN&WS 533	Special Topics in Gender and Biology (Migration Human Trafficking)
GEOG 101	Introduction to Human Geography
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG 301	Revolutions and Social Change
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 537	Culture and Environment
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Humanitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)
HISTORY 201	The Historian's Craft (Mass Migrations)
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (The Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod Europe)
HISTORY 201	The Historian's Craft (Japan After 1945)
HISTORY 201	The Historian's Craft (Tech. Rev in Middle East)
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)
HISTORY 201	The Historian's Craft (Russia and America)

HISTORY 201	The Historian's Craft (The Arab Spring)
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900-Today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The History of War in Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: A Global History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY/ JEWISH 310	The Holocaust
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century
HISTORY 340	Cultural History of Korea
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY/ ASIAN 363	China and World War II in Asia
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
HISTORY 403	Immigration and Assimilation in American History
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-Violence)
HISTORY 600	Advanced Seminar in History (Gen, War Crim, Human Rts 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 600	Advanced Seminar in History (Empire Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs, Lit Latin America)
INTER-LS 106	First-Year Seminar in the Social Sciences
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ HISTORY 330	Global History of Humanitarianism
INTL ST/ ED POL 335	Globalization and Education
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe

INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST 520	Study Abroad Topics in International Studies
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 601	Topics in Global Security
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 605	
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JEWISH/ POLI SCI 341	Israeli Politics and Society
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony and Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN 567	Mass Media and Global Communication
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
JOURN 620	International Communication
LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
MED HIST 559	Topics in Ethics and History of Medicine
MUSIC 416	Survey of Music in the Twentieth Century
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 339	Non-Democracies
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 346	China in World Politics

POLI SCI 347	Terrorism
POLI SCI 349	Global Access to Justice
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 363	Literature and Politics
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Gender Authoritarian Politics)
POLI SCI 400	Topics in Political Science (Asia - Sec Pacific Foreign Rel)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Global Access to Justice)
POLI SCI 401	Selected Topics in Political Science (Transitional Justice World Pol)
POLI SCI 401	Selected Topics in Political Science (LGBTQ+ World Politics)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ INTL ST 431	Contentious Politics
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
PORTUG/ GEN&WS 450	Brazillian Women Writers
POP HLTH 640	Foundations in Global Health Practice
PSYCH 528	Cultural Psychology
RELIG ST 400	Topics in Religious Studies - Humanities
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
RELIG ST 475	Religion, Global and Public Health
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SLAVIC 242	Literatures and Cultures of Eastern Europe
SLAVIC 243	Contemporary Russia: History, Politics, and Culture
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC 633	Social Stratification
SOC WORK 627	Sex Trafficking and Sex Trading
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH 479	Latin American Literature and Human Rights
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

INTERNATIONAL STUDIES, BS

International Studies (IS) is an interdisciplinary major with a broad background in international and transnational political, social, economic, commercial, and environmental affairs, together with a comparative study of politics, economics, security, and culture. The goal is to provide students with the necessary tools to understand global processes in their totality and how they are situated and lived in specific regions.

The major provides an integrated program of courses that lays the foundation for professional training in a wide variety of areas. Such a foundation can be invaluable in securing a place in competitive graduate or professional schools, which, in turn, prepare students for government service, or for other careers with an international focus, including those

in multinational corporations, international finance, non-governmental organizations, and institutions of teaching and research.

The International Studies major complements numerous majors across campus. Many students choose to double major or enhance their studies with one or more certificates, such as the Global Health certificate or those offered by the area studies centers.

This major is interdisciplinary, offering a wealth of options. Careful planning and consultation with the International Studies advisor is especially important.

OPTIONS IN THE MAJOR:

HUMAN RIGHTS AND HUMANITARIANISM

This named option covers the range of laws, norms, and organizations that address the protection of vulnerable populations and ordinary citizens. This named option covers human rights, as they are codified in the Universal Declaration of Human Rights; hence it covers the civil and political rights, from speech, belief, association, and discrimination, to social, economic, and cultural rights, such as the right to education, health, and water, among others. Human Rights and Humanitarianism also encompasses the organizations and institutions that work to protect and advocate for these rights, inclusive of courses on international law, nonprofit management, and non-state actors in global politics as well as those on specialized multilateral organizations that deal with human rights, such as regional organizations and specialized agencies at the United Nations. The named option similarly addresses social movements for change. It addresses the ways in which civilians are protected when thrust into conditions of hardship, including the laws of war, regimes on migration and forced migration, and efforts to address global health disparities.

GLOBAL SECURITY

This named option covers traditional and non-traditional forms of insecurity, disorder, and violent conflict as well as efforts to resolve and manage conflict. The thematic categories include forms of war, including interstate and civil war, as well as forms of political violence against civilians, such as terrorism, genocide, riots, and massacres. Global Security also covers non-traditional forms of insecurity, such as climate change, biothreats, pandemics and other infectious diseases, cyberattacks and cybersecurity, and food security. This named option also encompasses a range of ways to manage these forms of insecurity, including peacekeeping, other multilateral efforts to mediate conflict, counterinsurgency, and post-conflict peacebuilding.

POLITICS AND POLICY IN THE GLOBAL ECONOMY

This named option offers a multidisciplinary survey of international economic and political institutions and transactions, as well as the policy issues pertaining to international commerce and trade, international finance and monetary relations, international macroeconomic policy coordination, U.S. trade imbalances, aid and development, and related environmental and natural resource problems.

CULTURE IN THE AGE OF GLOBALIZATION

In this named option, students investigate crosscultural interactions at different levels: local, national, and transnational. Students engage in such issues as cosmopolitanism; international and global flows of images, ideas, and people; questions of identity; changing assumptions of what it means to be indigenous and foreign; globalization and technology; and the impact of globalization on cultures.

STUDY ABROAD

International Studies and studying abroad are a natural combination. While study abroad is not a requirement for the major, all International Studies students are strongly encouraged to pursue a significant international experience during the course of the undergraduate career. Whether through a study abroad program, an internship, or service learning, the experience of studying or working in a foreign culture is invaluable. Many courses taken abroad will count toward the International Studies major. See the International Studies advisor for specific guidelines. More information about study abroad and internships is available through International Academic Programs (http://www.studyabroad.wisc.edu/).

HOW TO GET IN

HOW TO GET IN

Students are advised to declare the major as soon as they are enrolled in INTL ST 101 and/or before studying abroad.

To be eligible to declare the International Studies Major, students must be enrolled or working toward the following courses:

Code	Title	Credits
INTL ST 101	Introduction to International Studies	3-4

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS OF THE MAJOR

Students must declare the major, complete the common requirements, and the requirements for one of these options (p.) within the international studies major:

- Culture in the Age of Globalization
- Global Security
- Politics and Policy in the Global Economy
- Human Rights and Humanitarianism

A student may not declare or earn more than one major option. The major requires 45 credits total between Foundational Requirements and Named Option Requirements. [1]

FOUNDATIONAL REQUIREMENTS

Code	Title	Credits
International Foundations		
INTL ST 101	Introduction to International Studies	3-4
Economic Foundations (complete one of the following):		**3-8**
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
A A E 101 & ECON 102	Introduction to Agricultural and Applied Economics and Principles of Macroeconomics	
POLI SCI 350	International Political Economy	
A A E/ ENVIR ST 244	The Environment and the Global Economy	
Historical Foundations		**3-4**
INTL ST/ HISTORY 146	A Global History of Now	
Regional Foundations		**6-8**
Complete at least one course from "Global South" lists and take either an additional course from "Global South" list or a course from the "Additional Area Studies" List.		
Global South:		
AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ POLI SCI/ SOC 277	Africa: An Introductory Survey	
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	
GEOG 355	Africa, South of the Sahara	
GEOG 358	Human Geography of Southeast Asia	
GNS/ HISTORY 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	
HISTORY 139	Introduction to the Modern Middle East	
HISTORY 142	History of South Asia to the Present	
HISTORY/ INTL ST/ LACIS 242	Modern Latin America	
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	
HISTORY/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	

HISTORY/ ASIAN 341	History of Modern China, 1800-1949
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 450	Making of Modern South Asia
INTL ST 266	Introduction to the Middle East
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations

Additional Area Studies:

GEOG 340	World Regions in Global Context
GEOG 359	Australia: Environment and Society
HISTORY 120	Europe and the Modern World 1815 to the Present
HISTORY 359	History of Europe Since 1945
HISTORY 410	History of Germany, 1871 to the Present
HISTORY 418	History of Russia
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey

Language Foundations (Complete one): 3-4

AFRICAN 329	Fifth Semester Arabic
AFRICAN 343	Fifth Semester Summer Arabic
AFRICAN 435	Fifth Semester Swahili
ASIALANG 301	Fifth Semester Chinese
ASIALANG 303	Fifth Semester Japanese
ASIALANG 305	Fifth Semester Korean
ASIALANG 323	Fifth Semester Filipino
ASIALANG 325	Fifth Semester Hmong
ASIALANG 348	Fifth Semester Indonesian
ASIALANG 329	Fifth Semester Thai
ASIALANG 331	Fifth Semester Vietnamese
ASIALANG 333	Fifth Semester Hindi
ASIALANG 335	Fifth Semester Tibetan
ASIALANG 337	Fifth Semester Persian
ASIALANG 339	Fifth Semester Urdu
ASIALANG 507	Fifth Semester Southeast Asian Language
ASIALANG 517	Fifth Semester Summer Asian Language
ESL 118	Academic Writing II [1]
FRENCH 228	Intermediate Language and Culture
FRENCH 271	Literature, Comics, and Film in French
FRENCH 311	Advanced Composition and Speaking
GERMAN 249	Intermediate German - Speaking and Listening
GERMAN 258	Intermediate German-Reading
GERMAN 262	Intermediate German-Writing
GERMAN 325	Topics in Dutch Literature
GERMAN 337	Advanced Composition & Conversation
GREEK 401	Readings in Greek Literature
GREEK 505	Greek Prose Composition
GREEK 560	Hellenistic Greek
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I
HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II
HEBR-BIB/ JEWISH 513	Biblical Texts, Poetry
ITALIAN 230	Modern Italian Culture
ITALIAN 311	Advanced Italian Language
ITALIAN 312	Writing Workshop
ITALIAN 321	Studies in Italian Literature and Culture I
ITALIAN 322	Studies in Italian Literature and Culture II
ITALIAN 631	Features in Italian Literature
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature
LATIN 401	Readings in Latin Literature
PORTUG 225	Third Year Conversation and Composition
SCAND ST 251	Readings in Norwegian Literature
SCAND ST 261	Readings in Swedish Literature
SCAND ST 271	Readings in Danish Literature
SLAVIC 275	Third Year Russian I
SLAVIC 277	Third Year Polish I
SLAVIC 315	Russian Language and Culture I
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar
SPANISH 311	Advanced Language Practice

Total Credits 18

OPTIONS IN THE MAJOR

View as listView as grid

- **INTERNATIONAL STUDIES: CULTURE IN AN AGE OF GLOBALIZATION (P. 882)**
- **INTERNATIONAL STUDIES: GLOBAL SECURITY (P. 890)**
- **INTERNATIONAL STUDIES: HUMAN RIGHTS AND HUMANITARIANISM (P. 898)**
- **INTERNATIONAL STUDIES: POLITICS AND POLICY IN THE GLOBAL ECONOMY (P. 906)**

Each option in the major **requires 27 credits.** This is in addition to completing the foundational requirements. Students complete the option-specific requirements for Core, Issues, and Elective classes.[1]

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all INTL ST courses and courses approved for the major
- 2.000 GPA on 15 Upper-Level major credits, taken in residence [2]
- 15 credits in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the International Studies Major in consultation with the International Studies advisor(s). They must declare prior to enrollment in their Senior Honors Thesis (typically second semester of junior year).

REQUIREMENTS FOR HONORS IN THE MAJOR

To earn Honors in the Major in International Studies, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA in major courses
- Complete 16 upper-level major credits, taken for Honors, with individual grades of B or better in each course [2, 3]
- Complete a two-semester Senior Honors Thesis, for a total of 6 credits, or two Senior Seminars, with grades of B or better; choose from:

Code	Title	Credits
Senior Honors Thesis (2 courses):		
AFRICAN 681 & AFRICAN 682	Senior Honors Thesis and Senior Honors Thesis	
ECON 681 & ECON 682	Senior Honors Thesis and Senior Honors Thesis	
FRENCH 681 & FRENCH 682	Senior Honors Thesis and Senior Honors Thesis	
GERMAN 681 & GERMAN 682	Senior Honors Thesis-First Semester and Senior Honors Thesis-Second Semester	
HISTORY 681 & HISTORY 682	Senior Honors Thesis and Senior Honors Thesis	
INTL ST 681 & INTL ST 682	Senior Honors Thesis and Senior Honors Thesis	
POLI SCI 681 & POLI SCI 682	Senior Honors Thesis and Senior Honors Thesis	
PORTUG 681 & PORTUG 682	Senior Honors Thesis and Senior Honors Thesis	
SLAVIC 681 & SLAVIC 682	Senior Honors Thesis and Senior Honors Thesis	
SPANISH 681 & SPANISH 682	Senior Honors Thesis and Senior Honors Thesis	
Senior Seminar (2 courses):		
INTL ST 601	Topics in Global Security	
INTL ST 602	Topics in Politics and Policy in the Global Economy	
INTL ST 603	Topics in Culture in the Age of Globalization	
INTL ST 605		

FOOTNOTES

1 A maximum four courses from a single SUBJECT may be applied to the 27 credits in the named option of the major. This excludes INTL ST courses and courses cross-listed in INTL ST. For example: A student with five POLI SCI courses that could apply to the major will see only four of those courses applying in the International Studies major. (However, if one of those POLI SCI courses is also cross-listed in INTL ST, that course will not count against the limit, and thus, all five POLI SCI courses will apply in the major.) The degree audit (DARS) enforces this limitation.

Though some courses are identified as acceptable for two or more requirements, a course may meet only one requirement within the major. For example, a course that could count in either Option Core or Option Issues will meet only one of those requirements, based on which requirement needs that course to become satisfied. The degree audit (DARS) determines the best scenario.

2 Major courses designated Intermediate and Advanced level are considered upper-level.

3 A maximum of two courses and 8 credits from UW–Madison Study Abroad may apply to this requirement.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Interdisciplinarity) analyzing contemporary political, economic, security and cultural realities globally from multi-disciplinary perspectives, ideally including humanities, social sciences, humanitarian, and sometimes natural science approaches.
2. (Depth of knowledge) mastering at the undergraduate generalist level major issues related to key themes in International Studies (e.g. culture, global security and political economy) by taking 15 credits in one particular theme area.
3. (Regional (studies) grounding) understanding the social, political, economic and cultural forces and conditions that have given rise to the unity and diversity of a specific region of the world today.
4. (Language knowledge) mastering at the undergraduate generalist level a particular facet of life in one or more region of the world by studying a language to at least the advanced (5th semester) level.
5. (Analytical skills) demonstrating the ability to think critically and analytically, the capacity to write clearly and effectively, and the ability to identify and evaluate research methods and outcomes.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
INTL ST 101	4	ECON 101	4
World Language	4	World Language	4
Communication A	3	Communication B	4
Quantitative Reasoning A	3	Physical Science Breadth	3
	14		**15**

Sophomore

Fall	Credits	Spring	Credits
Declare the IS Major (before 86 credits)		Issues in IS Major	3
ECON 102	3	Area Studies in IS Major	3
World Language	4	World Language	4
Area Studies in IS Major: Global South	3	Ethnic Studies	3
Biological Science Breadth	3	Literature Breadth	3
INTL ST/HISTORY 146	4	Apply for Summer Internship	
	17		**16**

Junior

Fall	Credits	Spring	Credits
Recommend Study Abroad		Recommend Study Abroad	
Issues in IS Major	3	Elective in IS Major	3
Issues in IS Major	3	Elective	3
5th Semester World Language	3	Elective	3
Science Breadth	3	Elective (or I/A level Math, Comp Sci, or Stats for BS)	3
Literature Breadth	3	Apply for Summer Internship	
	15		**12**

Senior

Fall	Credits	Spring	Credits
Option Core in IS Major	3	Option Core in IS Major	3
Option Core in IS Major	3	Elective in IS Major	3
Science Breadth	3	Elective in IS Major	3
Humanities Breadth	3	Humanities Breadth	3
Elective (Intermediate/ Advanced) (or IA level Math, Comp Sci, or Stats for BS)	3	Elective (Intermediate/ Advanced)	4
	15		**16**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING STAFF

International Studies students have a wide variety of academic advising and career resources and support. Academic advising is essential to a successful undergraduate experience. For this reason, the International Studies major has a professional advisor, a peer advisor, and a career advisor.

We recommend that you meet with your advisor at least once per semester to track progress toward your degree, explore study abroad options, and begin the career exploration process. We offer walk-in advising, advising workshops, and scheduled appointments. Students exploring the International Studies major should plan to attend an Intro to the IS Major workshop (https://ismajor.wisc.edu/intro-to-the-is-major-workshop/), watch the Intro to the IS Major video, or meet with a peer advisor. To learn more about academic advising information, please visit the IS Major website (https://ismajor.wisc.edu/academic-advising/).

Students should also begin the career advising process early. The international studies major offers a one-credit career class designed for sophomores or juniors. Students are strongly encouraged to meet with both the International Studies career advisor and SuccessWorks at the

College of Letters & Science, and to apply for internship opportunities, both domestically and via International Internship Programs or the Washington, D.C. Internship Program. The International Studies major also advertises career events across campus that will benefit undergraduate students, hosts career workshops, and has a transition checklist to help students prepare for post-undergraduate life. For more information, please visit our website (https://ismajor.wisc.edu/career-advising/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

STUDY ABROAD

International studies majors are strongly encouraged to study abroad. The International Studies Major website (http://www.ismajor.wisc.edu/about/current-students/study-abroad/) provides information about how to plan your experience abroad.

INTERNSHIP ABROAD

International studies majors are strongly encouraged to study abroad. Please review information on the International Studies Major website (http://www.ismajor.wisc.edu/about/current-students/internships/) and the International Internship Program website (http://internships.international.wisc.edu/) about opportunities.

UNDERGRADUATE RESEARCH

The international studies major encourages students to become engaged in undergraduate research. There are numerous programs (https://teachlearn.wisc.edu/undergraduate-research/) that provide research opportunities for undergraduates at UW–Madison, including:

- Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)
- McNair Scholars (https://mcnair.wisc.edu/)
- Summer Research Opportunity Program (https://grad.wisc.edu/diversity/summer-research-opportunity-program/)
- Undergraduate Research Scholars (https://urs.ls.wisc.edu/)
- Wisconsin Idea Fellowship Program (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

For information on scholarships and awards through the International Studies major, please see our website (https://ismajor.wisc.edu/scholarships-and-grants/) or contact our advisors. Students are also strongly encouraged to contact the Awards Office (https://iris.wisc.edu/funding/) at the Institute for Regional and International Studies to explore multiple international awards and scholarships.

INTERNATIONAL STUDIES: CULTURE IN AN AGE OF GLOBALIZATION

REQUIREMENTS

REQUIREMENTS

CULTURE IN AN AGE OF GLOBALIZATION

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Culture in an Age of Globalization Option:

CULTURE IN AN AGE OF GLOBALIZATION CORE

Code	Title	Credits
Complete 9 credits from:		**9**
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ANTHRO 340	Music, Race, And Culture in Brazil	
ART HIST 480	Global Modernisms	
COM ARTS 458	Global Media Cultures	
COM ARTS 461	Global Art Cinema	
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	
ED POL/ ANTHRO 570	Anthropology and Education	

ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 537	Culture and Environment
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 603	Topics in Culture in the Age of Globalization
JOURN 620	International Communication
JOURN 567	Mass Media and Global Communication
LINGUIS/ ANTHRO 430	Language and Culture
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SPANISH 455	Contemporary Mayas: A Culture of Nature
THEATRE 424	Contemporary World Theatre and Dramatic Literature
PSYCH 528	Cultural Psychology
Total Credits	**9**

CULTURE IN AN AGE OF GLOBALIZATION ISSUES

Code	Title	Credits
Complete 9 credits from:		**9**
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	
AFRICAN 230	Introduction to Yoruba Life and Culture	
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	
AFRICAN 300	African Literature in Translation	
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFRICAN 412	Contemporary African Fiction	
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	
AFRICAN/ FRENCH 440	African/Francophone Film	
AFRICAN/ PORTUG 451	Lusophone African Literature	
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	
AFROAMER/ GEN&WS 333	Black Feminisms	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ASIAN 253	Japanese Popular Culture	
ASIAN 254	Korean Popular Culture	
ASIAN 300	Topics in Asian Studies	
ASIAN 301	Social Science Topics in Asian Studies	
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	
ASIAN 311	Modern Indian Literatures	
ASIAN 357	Japanese Ghost Stories	
ASIAN 367	Haiku	
ASIAN 374	Korean Cinema	
ASIAN 375	Survey of Chinese Film	
ASIAN 376	Manga	
ASIAN 378	Anime	
ASIAN 403	Southeast Asian Literature	
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	
ASIAN/ ART HIST 428	Visual Cultures of India	
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	
ART HIST 411	Topics in Asian Art	
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp.African Art)	
ART HIST 440	Art and Power in the Arab World	
ART HIST 480	Global Modernisms	
COM ARTS 346	Critical Internet Studies	
COM ARTS 350	Introduction to Film	
COM ARTS 373	Intercultural Communication & Rhetoric	
COM ARTS/ RELIG ST 374	The Rhetoric of Religion	
COM ARTS 455	French Film	
COM ARTS 458	Global Media Cultures	
COM ARTS/ ITALIAN 460	Italian Film	
COM ARTS 461	Global Art Cinema	

DANCE/ THEATRE 218	African Dance Performance
DS/ LAND ARC 639	Culture and Built Environment
ED POL/ ANTHRO 570	Anthropology and Education
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
FOLKLORE 317	The Irish Tradition
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEOG 101	Introduction to Human Geography
GEOG 340	World Regions in Global Context
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 537	Culture and Environment
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod Europe)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900 to Today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 225	Explorations in Third World History (H)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (History of War in Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 340	Cultural History of Korea
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs Lit Latin America)
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JOURN 567	Mass Media and Global Communication
JOURN 620	International Communication
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature

LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
MUSIC 416	Survey of Music in the Twentieth Century
POLI SCI 363	Literature and Politics
PORTUG/ GEN&WS 450	Brazillian Women Writers
PSYCH 528	Cultural Psychology
RELIG ST 400	Topics in Religious Studies - Humanities
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SLAVIC 242	Literatures and Cultures of Eastern Europe
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

CULTURE IN AN AGE OF GLOBALIZATION ELECTIVES

Complete 9 credits of Culture in an Age of Globalization electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 246	Climate Change Economics and Policy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 352	Global Health: Economics, Natural Systems, and Policy	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Socialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)	
ASIAN/ ART HIST 379	Cities of Asia	
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)	
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators	
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	
ANTHRO/ MED HIST 231	Introduction to Social Medicine	
ANTHRO 339	Archaeology of Warfare and Human Nature	

ANTHRO 350	Political Anthropology
ANTHRO 365	Medical Anthropology
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts
BOTANY 240	Plants and Humans
C&E SOC/ SOC 222	Food, Culture, and Society
C&E SOC/ SOC 245	Technology and Society
C&E SOC/ SOC 341	Labor in Global Food Systems
C&E SOC 375	Special Topics (Who are the Palestinians?)
C&E SOC/ CURRIC/ ENVIR ST 405	Education for Sustainable Communities
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability
C&E SOC/SOC/ URB R PL 617	Community Development
CURRIC 292	Globalizing Education
CURRIC 366	Internationalizing Educational Knowledge
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse Dictars Demago Extmts)
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 379	Global Technology & Digital Culture
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 573	Rhetoric of Globalization and Transnationalism
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 212	Education for Social Justice
ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL 320	Climate Change, Sustainability, and Education
ED POL/ INTL ST 335	Globalization and Education
ED POL 423	Education for Global Change
ED POL 435	Education in Emergencies
ED POL 595	Language Politics and Education
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability

ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST/ HISTORY 465	Global Environmental History
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
F&W ECOL/ ENVIR ST 100	Forests of the World
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS 441	Contemporary Feminist Theories
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEN&WS 533	Special Topics in Gender and Biology (Migration Human Trafficking)
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG 301	Revolutions and Social Change
GEOG 302	Economic Geography: Locational Behavior
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG 318	Introduction to Geopolitics
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 510	Economic Geography
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
GEOSCI/ ENVIR ST 411	Energy Resources
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Huamitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)

HISTORY 201	The Historian's Craft (Mass Migrations)	
HISTORY 201	The Historian's Craft (Global Inequality)	
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)	
HISTORY 201	The Historian's Craft (Japan after 1945)	
HISTORY 201	The Historian's Craft (Tech. Rev in Middle East)	
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)	
HISTORY 201	The Historian's Craft (Russia and America)	
HISTORY 201	The Historian's Craft (The Arab Spring)	
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)	
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emregence of Capitalism)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: A Global History)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)	
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	
HISTORY/ JEWISH 310	The Holocaust	
HISTORY/ ASIAN 319	The Vietnam Wars	
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	
HISTORY 348	France from Napoleon to the Great War, 1799-1914	
HISTORY 349	Contemporary France, 1914 to the Present	
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	
HISTORY 357	The Second World War	
HISTORY/ ASIAN 363	China and World War II in Asia	
HISTORY 403	Immigration and Assimilation in American History	
HISTORY 419	History of Soviet Russia	
HISTORY 424	The Soviet Union and the World, 1917-1991	
HISTORY 434	American Foreign Relations, 1901 to the Present	
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	
HISTORY/ ENVIR ST 465	Global Environmental History	
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)	
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)	
HISTORY 600	Advanced Seminar in History (Global History of Non-Violence)	
HISTORY 600	Advanced Seminar in History (Gen, War, Crim, Human Rts - 20C)	
HISTORY 600	Advanced Seminar in History (Totalitarianism)	
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)	
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)	
HISTORY 600	Advanced Seminar in History (The European Union in History)	
HISTORY 600	Advanced Seminar in History (Empire Revol SE Asia)	
HISTORY 600	Advanced Seminar in History (European Extreme Right)	
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)	
HISTORY 607	The American Impact Abroad: The Historical Dimension	
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas	
INTER-LS 106	First-Year Seminar in the Social Sciences	
INTL BUS 200	International Business	
INTL BUS/ GEN BUS 320	Intercultural Communication in Business	
INTL BUS 365	Contemporary Topics	
INTL BUS/A A E/ ECON 462	Latin American Economic Development	
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity	
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement	
INTL ST 320	Contemporary Issues in International Studies	
INTL ST/ ED POL 335	Globalization and Education	
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe	

INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 601	Topics in Global Security
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 605	
INTL ST 620	Topics in International Studies
JEWISH/ POLI SCI 341	Israeli Politics and Society
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
JOURN 618	Mass Communication and Political Behavior
LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST/ GEN&WS 422	Women and the Law
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
MARKETNG 350	Global Immersion in Marketing
MED HIST 559	Topics in Ethics and History of Medicine
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 339	Non-Democracies
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 346	China in World Politics
POLI SCI 347	Terrorism
POLI SCI 348	Analysis of International Relations
POLI SCI 349	Global Access to Justice
POLI SCI 350	International Political Economy
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics
POLI SCI 354	International Institutions and World Order
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Global Access to Justice)

POLI SCI 400	Topics in Political Science (Transitional Justice World Pol)
POLI SCI 400	Topics in Political Science (LGBTQ+ World Politics)
POLI SCI 400	Topics in Political Science (Internat'l Environ Politics)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy)
POLI SCI 400	Topics in Political Science (Asia-Pacific Sec Foreign Rel)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
POP HLTH 640	Foundations in Global Health Practice
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
RELIG ST 475	Religion, Global and Public Health
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SLAVIC 243	Contemporary Russia: History, Politics, and Culture
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC 633	Social Stratification
SOC/ C&E SOC 652	Sociology of Economic Institutions
SOC WORK 627	Sex Trafficking and Sex Trading
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 479	Latin American Literature and Human Rights

INTERNATIONAL STUDIES: GLOBAL SECURITY

The Global Security named option is being renamed Global Peace and Security. Students will be able to earn a named option in Global Security through the end of Summer 2027. Beginning in Fall 2027, the award will be the named option in Global Peace and Security.

REQUIREMENTS

REQUIREMENTS

GLOBAL SECURITY OPTION

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Global Security Option:

GLOBAL SECURITY CORE

Code	Title	Credits
Complete 9 credits from:		**9**
COM ARTS 470	Contemporary Political Discourse	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
ED POL 320	Climate Change, Sustainability, and Education	
ED POL 423	Education for Global Change	
GEOG 301	Revolutions and Social Change	
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	
HISTORY/ LEGAL ST 426	The History of Punishment	

INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America
INTL ST 401	Topics in Global Security
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 601	Topics in Global Security
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
PL PATH 311	Global Food Security
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 529	Arab-Israeli Conflict

GLOBAL SECURITY ISSUES

Code	Title	Credits
Complete 9 Credits from:		**9**
A A E 246	Climate Change Economics and Policy	
ANTHRO 339	Archaeology of Warfare and Human Nature	
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems	
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment	
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts	
C&E SOC/ SOC 245	Technology and Society	
CURRIC 292	Globalizing Education	
CURRIC 366	Internationalizing Educational Knowledge	
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse Dictars, Demago, Extmts)	
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)	
COM ARTS 372	Rhetoric of Campaigns and Revolutions	
COM ARTS 379	Global Technology & Digital Culture	
COM ARTS 470	Contemporary Political Discourse	
COM ARTS 474	Rhetoric of the Cold War	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
ED POL 320	Climate Change, Sustainability, and Education	
ED POL/CHICLA/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	
ED POL 423	Education for Global Change	
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK	
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology	
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment	
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)	
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)	
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)	
ENVIR ST/ HISTORY 465	Global Environmental History	
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society	
GEOG 301	Revolutions and Social Change	
GEOG 340	World Regions in Global Context	
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	
HISTORY 201	The Historian's Craft (Japan after 1945)	
HISTORY 201	The Historian's Craft (Tech. Rev. in Middle East)	
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)	
HISTORY 201	The Historian's Craft (Russia and America)	
HISTORY 201	The Historian's Craft (The Arab Spring)	
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)	
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)	
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: a Global History)	

HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY/ ASIAN 363	China and World War II in Asia
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY 600	Advanced Seminar in History (Emp Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 601	Topics in Global Security
INTL ST 620	Topics in International Studies
JEWISH/ POLI SCI 341	Israeli Politics and Society
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI 339	Non-Democracies
POLI SCI 342	State-Building: How States Are Formed, Function, and Influence Society
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 347	Terrorism
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Asia-Pacific Sec Foreign Rel)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
SLAVIC 243	Contemporary Russia: History, Politics, and Culture

GLOBAL SECURITY ELECTIVES

Complete 9 credits of Global Security electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 352	Global Health: Economics, Natural Systems, and Policy	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Socialism)	

A A E/ECON 421	Economic Decision Analysis
A A E/ECON 473	Economic Growth and Development in Southeast Asia
A A E/ECON 474	Economic Problems of Developing Areas
A A E/ECON 477	Agricultural and Economic Development in Africa
A A E/ECON/ F&W ECOL 531	Natural Resource Economics
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology
AFRICAN 202	Introductory Topics in African Cultural Studies
AFRICAN 203	Introductory Topics in African Literature
AFRICAN/ FOLKLORE 210	The African Storyteller
AFRICAN 230	Introduction to Yoruba Life and Culture
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction
AFRICAN 300	African Literature in Translation
AFRICAN 304	Soccer in Africa
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture
AFRICAN 405	Topics in African Cultural Studies
AFRICAN 406	Topics in African Literature
AFRICAN/ RELIG ST 408	Everyday Religion in Africa
AFRICAN 412	Contemporary African Fiction
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama
AFRICAN/ FRENCH 440	African/Francophone Film
AFRICAN/ PORTUG 451	Lusophone African Literature
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture
AFROAMER/ GEN&WS 333	Black Feminisms
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas
ASIAN 253	Japanese Popular Culture
ASIAN 254	Korean Popular Culture
ASIAN 268	Tibetan Cultures and Traditions
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)
ASIAN 301	Social Science Topics in Asian Studies
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method
ASIAN 311	Modern Indian Literatures
ASIAN 357	Japanese Ghost Stories
ASIAN 367	Haiku
ASIAN 371	Topics in Chinese Literature
ASIAN 374	Korean Cinema
ASIAN 375	Survey of Chinese Film
ASIAN 376	Manga
ASIAN 378	Anime
ASIAN/ ART HIST 379	Cities of Asia
ASIAN 403	Southeast Asian Literature
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia
ASIAN/ ART HIST 428	Visual Cultures of India
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges
ANTHRO/ MED HIST 231	Introduction to Social Medicine
ANTHRO 300	Cultural Anthropology: Theory and Ethnography
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO 350	Political Anthropology
ANTHRO 365	Medical Anthropology
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST 411	Topics in Asian Art
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp. African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
BOTANY 240	Plants and Humans
C&E SOC/ SOC 222	Food, Culture, and Society
C&E SOC/A A E/ SOC 340	Issues in Food Systems

C&E SOC/SOC/ URB R PL 617	Community Development
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COMP LIT 203	Introduction to Cross-Cultural Literary Forms
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
DS/ LAND ARC 639	Culture and Built Environment
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 212	Education for Social Justice
ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL/ INTL ST 335	Globalization and Education
ED POL 435	Education in Emergencies
ED POL/ ANTHRO 570	Anthropology and Education
ED POL 595	Language Politics and Education
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
ENVIR ST/ HISTORY 465	Global Environmental History
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
F&W ECOL/ ENVIR ST 100	Forests of the World
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South

FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 310	Special Topics in Gender, Women and the Humanities
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEN&WS 441	Contemporary Feminist Theories
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEN&WS 533	Special Topics in Gender and Biology (Migration Human Trafficking)
GEOG 101	Introduction to Human Geography
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG 302	Economic Geography: Locational Behavior
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG 318	Introduction to Geopolitics
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 510	Economic Geography
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ ENVIR ST 537	Culture and Environment
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
GEOSCI/ ENVIR ST 411	Energy Resources
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Humanitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)
HISTORY 201	The Historian's Craft (Mass Migrations)
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (The Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod. Europe)
HISTORY 201	The Historian's Craft (Global Inequality)
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900-today)

HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The History of War in Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emergence of Capitalism)
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY/ JEWISH 310	The Holocaust
HISTORY 340	Cultural History of Korea
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
HISTORY 403	Immigration and Assimilation in American History
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-Violence)
HISTORY 600	Advanced Seminar in History (Gen, War Crim, Human Rts - 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 600	Advanced Seminar in History (The European Union in History)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs, Lit Latin America)
INTER-LS 106	First-Year Seminar in the Social Sciences
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ HISTORY 330	Global History of Humanitarianism
INTL ST/ ED POL 335	Globalization and Education
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 605	
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JEWISH/ POLI SCI 341	Israeli Politics and Society

JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN 567	Mass Media and Global Communication
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
JOURN 618	Mass Communication and Political Behavior
JOURN 620	International Communication
LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST/ GEN&WS 422	Women and the Law
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
LITTRANS 473	Polish Literature (in Translation) since 1863
MARKETNG 350	Global Immersion in Marketing
MARKETNG/ INTL BUS 420	Global Marketing Strategy
MED HIST 559	Topics in Ethics and History of Medicine
MUSIC 416	Survey of Music in the Twentieth Century
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 348	Analysis of International Relations
POLI SCI 349	Global Access to Justice
POLI SCI 350	International Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 363	Literature and Politics
POLI SCI 370	Islam and Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Gender Authoritarian Politics)
POLI SCI 400	Topics in Political Science (Internat'l Environ Politics)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy)

POLI SCI 401	Selected Topics in Political Science (Global Access to Justice)
POLI SCI 401	Selected Topics in Political Science (Transitional Justice World Pol)
POLI SCI 401	Selected Topics in Political Science (LGBTQ+ World Politics)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
POP HLTH 640	Foundations in Global Health Practice
PORTUG/ GEN&WS 450	Brazillian Women Writers
PSYCH 528	Cultural Psychology
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
RELIG ST 400	Topics in Religious Studies - Humanities
RELIG ST 475	Religion, Global and Public Health
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SLAVIC 242	Literatures and Cultures of Eastern Europe
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC 633	Social Stratification
SOC/ C&E SOC 652	Sociology of Economic Institutions
SOC WORK 627	Sex Trafficking and Sex Trading
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH 479	Latin American Literature and Human Rights
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

INTERNATIONAL STUDIES: HUMAN RIGHTS AND HUMANITARIANISM

REQUIREMENTS

REQUIREMENTS

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Human Rights and Humanitarianism Option:

HUMAN RIGHTS AND HUMANITARIANISM CORE

Code	Title	Credits
Complete 9 credits from:		**9**
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
CSCS 410	Human Trafficking: Global and Local Perspectives	

CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
ED POL 435	Education in Emergencies
ED POL 595	Language Politics and Education
GEOG 307	International Migration, Health, and Human Rights
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 605	
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust, Testimony and Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
LEGAL ST 409	Human Rights in Law and Society
PHILOS 555	Political Philosophy
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
RELIG ST 475	Religion, Global and Public Health
SOC 626	Social Movements
SOC WORK 627	Sex Trafficking and Sex Trading
SPANISH 479	Latin American Literature and Human Rights

HUMAN RIGHTS AND HUMANITARIANISM ISSUES

Code	Title	Credits
Complete 9 credits from:		**9**
A A E 352	Global Health: Economics, Natural Systems, and Policy	
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)	
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)	
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)	
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators	
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	
ANTHRO/ MED HIST 231	Introduction to Social Medicine	
ANTHRO 365	Medical Anthropology	
BOTANY 240	Plants and Humans	
C&E SOC/ SOC 222	Food, Culture, and Society	
C&E SOC/ SOC 341	Labor in Global Food Systems	
C&E SOC 375	Special Topics (Who are the Palestinians)	
CHICLA/ POLI SCI 302	Mexican-American Politics	
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas	
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration	
COM ARTS 310	Topics in Rhetoric and Communication Science (Reproductive Rights Rhetoric)	
COM ARTS 573	Rhetoric of Globalization and Transnationalism	
CSCS 410	Human Trafficking: Global and Local Perspectives	
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	
CSCS 500	Global Health and Communities: From Research to Praxis	
DS 521	Environments of Crisis & Design	
DS 527	Global Artisans	
ED POL 212	Education for Social Justice	
ED POL/ INTL ST 220	Human Rights and Education	
ED POL 240	Comparative Education	
ED POL 435	Education in Emergencies	
ED POL 595	Language Politics and Education	
ENGL 242	Literature and Culture II: from the 18th Century to the Present	
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)	
ENGL 474	Topic in Contemporary Literature (Protest Literature)	

ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Humanitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)
HISTORY 201	The Historian's Craft (Mass Migrations)
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY/ JEWISH 310	The Holocaust
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 403	Immigration and Assimilation in American History
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-violence)
HISTORY 600	Advanced Seminar in History (GEN, WAR CRIM, HUM RTS - 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
INTL ST/ HISTORY 330	Global History of Humanitarianism
INTL ST/ ED POL 335	Globalization and Education
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 605	
INTL ST 620	Topics in International Studies

JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (Politics of Human Rights)
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
LACIS/ SPANISH 285	Race and Culture in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
POLI SCI 349	Global Access to Justice
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Gender Authoritarian Politcs)
POLI SCI 401	Selected Topics in Political Science (Global Access to Justice)
POLI SCI 401	Selected Topics in Political Science (Transitional Justice World Pol)
POLI SCI 401	Selected Topics in Political Science (LGBTQ+ World Politics)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
RELIG ST 475	Religion, Global and Public Health
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC WORK 627	Sex Trafficking and Sex Trading
SOC 633	Social Stratification
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH 479	Latin American Literature and Human Rights

HUMAN RIGHTS AND HUMANITARIANISM ELECTIVES

Complete 9 credits of Human Rights and Humanitarianism electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 246	Climate Change Economics and Policy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Socialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	
AFRICAN 230	Introduction to Yoruba Life and Culture	
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	
AFRICAN 300	African Literature in Translation	
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	

AFRICAN 412	Contemporary African Fiction
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama
AFRICAN/ FRENCH 440	African/Francophone Film
AFRICAN/ PORTUG 451	Lusophone African Literature
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture
AFROAMER/ GEN&WS 333	Black Feminisms
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas
ASIAN 253	Japanese Popular Culture
ASIAN 254	Korean Popular Culture
ASIAN 268	Tibetan Cultures and Traditions
ASIAN 300	Topics in Asian Studies
ASIAN 301	Social Science Topics in Asian Studies
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method
ASIAN 311	Modern Indian Literatures
ASIAN 357	Japanese Ghost Stories
ASIAN 367	Haiku
ASIAN 371	Topics in Chinese Literature
ASIAN 374	Korean Cinema
ASIAN 375	Survey of Chinese Film
ASIAN 376	Manga
ASIAN 378	Anime
ASIAN/ ART HIST 379	Cities of Asia
ASIAN 403	Southeast Asian Literature
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia
ASIAN/ ART HIST 428	Visual Cultures of India
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization
ANTHRO 300	Cultural Anthropology: Theory and Ethnography
ANTHRO 339	Archaeology of Warfare and Human Nature
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO 350	Political Anthropology
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST 411	Topics in Asian Art
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp. African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts
C&E SOC/ SOC 245	Technology and Society
C&E SOC/ SOC 341	Labor in Global Food Systems
C&E SOC 375	Special Topics
C&E SOC/ CURRIC/ ENVIR ST 405	Education for Sustainable Communities
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability
C&E SOC/SOC/ URB R PL 617	Community Development
CURRIC 292	Globalizing Education
CURRIC 366	Internationalizing Educational Knowledge
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse Dictars, Demago, Extmts)
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 379	Global Technology & Digital Culture
COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
COM ARTS 455	French Film

COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COMP LIT 203	Introduction to Cross-Cultural Literary Forms
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
DS/ LAND ARC 639	Culture and Built Environment
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL 320	Climate Change, Sustainability, and Education
ED POL/ INTL ST 335	Globalization and Education
ED POL 423	Education for Global Change
ED POL/ ANTHRO 570	Anthropology and Education
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST/ HISTORY 465	Global Environmental History
F&W ECOL/ ENVIR ST 100	Forests of the World
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
FOLKLORE 317	The Irish Tradition
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEN&WS 310	Special Topics in Gender, Women and the Humanities
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEOG 101	Introduction to Human Geography
GEOG 301	Revolutions and Social Change
GEOG 302	Economic Geography: Locational Behavior
GEOG 318	Introduction to Geopolitics
GEOG 340	World Regions in Global Context
GEOG 510	Economic Geography
GEOG 518	Power, Place, Identity

GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ ENVIR ST 537	Culture and Environment
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
GEOSCI/ ENVIR ST 411	Energy Resources
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (The Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod. Europe)
HISTORY 201	The Historian's Craft (Japan After 1945)
HISTORY 201	The Historian's Craft (Tech. Rev. in Middle East)
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)
HISTORY 201	The Historian's Craft (Russia and America)
HISTORY 201	The Historian's Craft (The Arab Spring)
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)
HISTORY 201	The Historian's Craft (Global Inequality)
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900-Today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The History of War on Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: A Global History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emergence of Capitalism)
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century
HISTORY 340	Cultural History of Korea
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY/ ASIAN 363	China and World War II in Asia
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (Empire Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)

HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
HISTORY 600	Advanced Seminar in History (The European Union in History)
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs, Lit Latin America)
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST 601	Topics in Global Security
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JEWISH/ POLI SCI 341	Israeli Politics and Society
JOURN 567	Mass Media and Global Communication
JOURN 618	Mass Communication and Political Behavior
JOURN 620	International Communication
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST/ GEN&WS 422	Women and the Law
LINGUIS/ ANTHRO 430	Language and Culture
L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
MARKETNG 350	Global Immersion in Marketing
MARKETNG/ INTL BUS 420	Global Marketing Strategy
MUSIC 416	Survey of Music in the Twentieth Century
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI 320	Governments and Politics of the Middle East and North Africa

POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 339	Non-Democracies
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 346	China in World Politics
POLI SCI 347	Terrorism
POLI SCI 348	Analysis of International Relations
POLI SCI 350	International Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 363	Literature and Politics
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Asia - Pacific Sec Foreign Rel)
POLI SCI 400	Topics in Political Science (Internat'l Environ Politics)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
PORTUG/ GEN&WS 450	Brazillian Women Writers
POP HLTH 640	Foundations in Global Health Practice
POP HLTH 644	Interdisciplinary Perspectives on Global Health and Disease
PSYCH 528	Cultural Psychology
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
RELIG ST 400	Topics in Religious Studies - Humanities
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
SCAND ST 436	Topics in Scandinavian Literature
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SLAVIC 242	Literatures and Cultures of Eastern Europe
SLAVIC 243	Contemporary Russia: History, Politics, and Culture
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC/ C&E SOC 652	Sociology of Economic Institutions
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature

SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

INTERNATIONAL STUDIES: POLITICS AND POLICY IN THE GLOBAL ECONOMY

REQUIREMENTS

REQUIREMENTS

POLITICS AND POLICY IN THE GLOBAL ECONOMY OPTION REQUIREMENTS

In addition to the Foundational Requirements of the International Studies major, complete these requirements specific to the Politics and Policy in the Global Economy Option:

POLITICS AND POLICY IN THE GLOBAL ECONOMY CORE

Code	Title	Credits
Complete 9 Credits From:		**9**
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON 474	Economic Problems of Developing Areas	
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	
ECON 350	The Chinese Economy	
ECON 464	International Trade	
ECON 475	Economics of Growth	
GEOG 302	Economic Geography: Locational Behavior	
GEOG 510	Economic Geography	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	
INTL BUS/A A E/ ECON 462	Latin American Economic Development	
HISTORY 434	American Foreign Relations, 1901 to the Present	
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity	
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement	
INTL ST/ A A E 373	Globalization, Poverty and Development	
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy	
INTL ST 402	Topics in Politics and Policy in the Global Economy	
INTL ST 602	Topics in Politics and Policy in the Global Economy	
JEWISH/ POLI SCI 341	Israeli Politics and Society	
POLI SCI 330	Political Economy of Development	
POLI SCI 340	The European Union: Politics and Political Economy	
POLI SCI 354	International Institutions and World Order	
POLI SCI 538		
PUB AFFR 352	Women, Gender, and Public Policy	
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World	
SOC/ C&E SOC 652	Sociology of Economic Institutions	

POLITICS AND POLICY IN THE GLOBAL ECONOMY ISSUES

Code	Title	Credits
Complete 9 credits from:		**9**
A A E/ ENVIR ST 244	The Environment and the Global Economy	
A A E 319	The International Agricultural Economy	
A A E/ NUTR SCI 350	World Hunger and Malnutrition	
A A E 375	Special Topics (Russian Labor: Econ, Soc Pol)	
A A E 375	Special Topics (Ineq, Labor Mrkts, Pst Sociialism)	
A A E/ECON 421	Economic Decision Analysis	
A A E/ECON 473	Economic Growth and Development in Southeast Asia	
A A E/ECON 474	Economic Problems of Developing Areas	
A A E/ECON 477	Agricultural and Economic Development in Africa	
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	
ANTHRO 350	Political Anthropology	
ASIAN/ ART HIST 379	Cities of Asia	

COM ARTS/ AFRICAN/ L I S 444	Technology and Development in Africa and Beyond
C&E SOC/ ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability
C&E SOC/SOC/ URB R PL 617	Community Development
CHICLA/ POLI SCI 302	Mexican-American Politics
ECON 330	Money and Banking
ECON 350	The Chinese Economy
ECON 370	Economics of Poverty and Inequality
ECON 390	Contemporary Economic Issues
ECON 461	International Macroeconomics
ECON 464	International Trade
ECON 467	International Industrial Organizations
ECON 475	Economics of Growth
ECON 661	Issues in International Macroeconomics
ECON 664	Issues in International Trade
ECON 666	Issues in International Finance
ED POL 150	Education and Public Policy
ED POL 245	Education in East Asia
ED POL 260	Introduction to International Education Development
ED POL/ INTL ST 335	Globalization and Education
ENVIR ST/A A E/ ECON 343	Environmental Economics
ENVIR ST 349	Climate Change Governance
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences (Sust Science, Tech, and Policy)
F&W ECOL/ ENVIR ST 100	Forests of the World
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
GEOG 302	Economic Geography: Locational Behavior
GEOG 318	Introduction to Geopolitics
GEOG 340	World Regions in Global Context
GEOG 510	Economic Geography
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
GEOSCI/ ENVIR ST 411	Energy Resources
HISTORY 201	The Historian's Craft (Global Inequality)
HISTORY 201	The Historian's Craft (Environment, Markets, Scarcity)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The Emergence of Capitalism)
HISTORY 348	France from Napoleon to the Great War, 1799-1914
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ ENVIR ST 465	Global Environmental History
HISTORY 600	Advanced Seminar in History (European Union in History)
INTL BUS 200	International Business
INTL BUS/ GEN BUS 320	Intercultural Communication in Business
INTL BUS 365	Contemporary Topics
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST/ GEOG 315	Universal Basic Income: The Politics Behind a Global Movement
INTL ST/ A A E 373	Globalization, Poverty and Development
INTL ST/ A A E 374	The Growth and Development of Nations in the Global Economy
INTL ST 402	Topics in Politics and Policy in the Global Economy
INTL ST 602	Topics in Politics and Policy in the Global Economy
INTL BUS/A A E/ ECON 462	Latin American Economic Development
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy
INTL ST 620	Topics in International Studies
JEWISH/ POLI SCI 341	Israeli Politics and Society
JOURN 618	Mass Communication and Political Behavior
LEGAL ST/ GEN&WS 422	Women and the Law
MARKETNG 350	Global Immersion in Marketing
MARKETNG/ INTL BUS 420	Global Marketing Strategy
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 323	Islam and World Politics
POLI SCI 324	Chinese Politics
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 340	The European Union: Politics and Political Economy

POLI SCI 348	Analysis of International Relations
POLI SCI 350	International Political Economy
POLI SCI 354	International Institutions and World Order
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Internat'l Environ Politcs)
POLI SCI 400	Topics in Political Science (Gender Internat'l Relations)
POLI SCI 400	Topics in Political Science (Latin American Polit Thought)
POLI SCI 400	Topics in Political Science (Climate Change and Energy Policy)
POLI SCI 538	
POLI SCI 601	Proseminar: Topics in Political Science (Decision Making World Politics)
POLI SCI 601	Proseminar: Topics in Political Science (Pan African Political Thought)
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
PUB AFFR 270	The Private and Public Sectors in Policymaking
PUB AFFR 352	Women, Gender, and Public Policy
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
SOC 632	Sociology of Organizations
SOC/ C&E SOC 652	Sociology of Economic Institutions
SPANISH/ INTL BUS 329	Spanish for Business
Total Credits	**9**

POLITICS AND POLICY IN THE GLOBAL ECONOMY ELECTIVES

Complete 9 credits of Politics and Policy in the Global Economy electives.

Code	Title	Credits
Complete 9 credits from:		**9**
A A E 246	Climate Change Economics and Policy	
A A E 352	Global Health: Economics, Natural Systems, and Policy	
AFRICAN 202	Introductory Topics in African Cultural Studies	
AFRICAN 203	Introductory Topics in African Literature	
AFRICAN/ FOLKLORE 210	The African Storyteller	
AFRICAN 230	Introduction to Yoruba Life and Culture	
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	
AFRICAN 300	African Literature in Translation	
AFRICAN 304	Soccer in Africa	
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	
AFRICAN 405	Topics in African Cultural Studies	
AFRICAN 406	Topics in African Literature	
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	
AFRICAN 412	Contemporary African Fiction	
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	
AFRICAN/ FRENCH 440	African/Francophone Film	
AFRICAN/ PORTUG 451	Lusophone African Literature	
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	
AFROAMER/ GEN&WS 333	Black Feminisms	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ASIAN 253	Japanese Popular Culture	
ASIAN 254	Korean Popular Culture	
ASIAN 268	Tibetan Cultures and Traditions	
ASIAN 300	Topics in Asian Studies (Cambodian Genocide)	
ASIAN 301	Social Science Topics in Asian Studies	
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	
ASIAN 311	Modern Indian Literatures	
ASIAN 357	Japanese Ghost Stories	
ASIAN 367	Haiku	
ASIAN 371	Topics in Chinese Literature	
ASIAN 374	Korean Cinema	
ASIAN 375	Survey of Chinese Film	
ASIAN 376	Manga	
ASIAN 378	Anime	
ASIAN 403	Southeast Asian Literature	
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	
ASIAN/ ART HIST 428	Visual Cultures of India	
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	

ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces
ASIAN 630	Proseminar: Studies in Cultures of Asia (Human Rights in Asia)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Violence, Justice, History SEA)
ASIAN 630	Proseminar: Studies in Cultures of Asia (Law and Judgment in Asia)
AMER IND/ ENVIR ST 341	Indigenous Environmental Communicators
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges
ANTHRO/ MED HIST 231	Introduction to Social Medicine
ANTHRO 300	Cultural Anthropology: Theory and Ethnography
ANTHRO 339	Archaeology of Warfare and Human Nature
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO 365	Medical Anthropology
ART HIST/ ASIAN 179	Passage Through India: South Asia's Global Architectural Histories
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam
ART HIST 411	Topics in Asian Art
ART HIST 412	Topics in African and African Diaspora Art History (Curating Contemp African Art)
ART HIST 440	Art and Power in the Arab World
ART HIST 480	Global Modernisms
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems
ATM OCN/ ENVIR ST/ GEOG 322	Polar Regions and Their Importance in the Global Environment
ATM OCN/ ENVIR ST/ GEOG 332	Global Warming: Science and Impacts
BOTANY 240	Plants and Humans
C&E SOC/ SOC 222	Food, Culture, and Society
C&E SOC/ SOC 245	Technology and Society
C&E SOC/ SOC 341	Labor in Global Food Systems
C&E SOC 375	Special Topics (Who are the Palestinians)
C&E SOC/ CURRIC/ ENVIR ST 405	Education for Sustainable Communities
CURRIC 292	Globalizing Education
CURRIC 366	Internationalizing Educational Knowledge
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA/ POLI SCI 302	Mexican-American Politics
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
COM ARTS 310	Topics in Rhetoric and Communication Science (Dscrse, Dictars, Demago, Extmts)
COM ARTS 310	Topics in Rhetoric and Communication Science (Rhet Soc Change: Latin America)
COM ARTS 346	Critical Internet Studies
COM ARTS 350	Introduction to Film
COM ARTS 372	Rhetoric of Campaigns and Revolutions
COM ARTS 373	Intercultural Communication & Rhetoric
COM ARTS/ RELIG ST 374	The Rhetoric of Religion
COM ARTS 379	Global Technology & Digital Culture
COM ARTS 455	French Film
COM ARTS 458	Global Media Cultures
COM ARTS/ ITALIAN 460	Italian Film
COM ARTS 461	Global Art Cinema
COM ARTS 470	Contemporary Political Discourse
COM ARTS 474	Rhetoric of the Cold War
COM ARTS 573	Rhetoric of Globalization and Transnationalism
COMP LIT 203	Introduction to Cross-Cultural Literary Forms
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
CSCS 500	Global Health and Communities: From Research to Praxis
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas
DS 521	Environments of Crisis & Design
DS 527	Global Artisans
DS/ LAND ARC 639	Culture and Built Environment
ED POL 212	Education for Social Justice
ED POL/ INTL ST 220	Human Rights and Education
ED POL 240	Comparative Education

ED POL 320	Climate Change, Sustainability, and Education
ED POL 423	Education for Global Change
ED POL 435	Education in Emergencies
ED POL/ ANTHRO 570	Anthropology and Education
ED POL 595	Language Politics and Education
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings
ENGL 242	Literature and Culture II: from the 18th Century to the Present
ENGL 352	Modernist Poetry
ENGL 353	British Literature since 1900
ENGL 414	Global Spread of English
ENGL 453	Topic in British Literature and Culture since 1900
ENGL 474	Topic in Contemporary Literature (Global Reproductive Justice)
ENGL 474	Topic in Contemporary Literature (Protest Literature)
ENGL/ ENVIR ST 533	Topic in Literature and the Environment (African Literary Ecologies)
ENGL/ THEATRE 575	British Drama, 1914 to Present
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ILS 126	Principles of Environmental Science
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology
ENVIR ST/ ENTOM 205	Our Planet, Our Health
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction
ENVIR ST 215	Sustainability
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St (Ecology the Global Environment)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Natrl Hazard Resiliency Plang)
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (International Envir Law Policy)
ENVIR ST/ HISTORY 465	Global Environmental History
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
F&W ECOL/ C&E SOC/ SOC 248	Environment, Natural Resources, and Society
FOLKLORE 317	The Irish Tradition
FOLKLORE 439	Foodways
FRENCH/ GEN&WS 285	Rebellious Women from the Global South
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)
GEN&WS 104	Gender, Sexuality, and Global Health
GEN&WS 310	Special Topics in Gender, Women and the Humanities
GEN&WS 320	Special Topics in Gender, Women and Society (Politics Gender Rights - Mideast)
GEN&WS 420	Women in Cross-Societal Perspective
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective
GEN&WS 441	Contemporary Feminist Theories
GEN&WS/ POLI SCI 469	Women and Politics
GEN&WS 525	Gender and Global Health in Critical Perspective
GEN&WS 533	Special Topics in Gender and Biology (Global Migration Trafficking)
GEN&WS 533	Special Topics in Gender and Biology (Migration Human Trafficking)
GEOG 101	Introduction to Human Geography
GEOG/ ENVIR ST 139	Global Environmental Issues
GEOG 301	Revolutions and Social Change
GEOG/ URB R PL 305	Introduction to the City
GEOG 307	International Migration, Health, and Human Rights
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG 518	Power, Place, Identity
GEOG/ ENVIR ST 537	Culture and Environment
GERMAN 245	Topics in Dutch Life and Culture
GERMAN 278	Topics in German Culture
GERMAN 368	Study Abroad in German Culture

GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe
GNS 270	Introductory Topics in GNS (Berlin-Istanbul Connections)
GNS 324	Literatures of Central Asia
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction
HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
HIST SCI 350	Special Topics in the History of Science (Race, Colonialism, Environment)
HIST SCI 360	Health Inequalities in the Long 20th Century
HIST SCI/ HISTORY/ MED HIST 508	Health, Disease and Healing II
HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
HIST SCI/ HISTORY/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
HISTORY 201	The Historian's Craft (1945 in Europe)
HISTORY 201	The Historian's Craft (Global Migrations)
HISTORY 201	The Historian's Craft (Global History of Unfree Labor)
HISTORY 201	The Historian's Craft (Postcolonialism)
HISTORY 201	The Historian's Craft (History of Humanitarianism)
HISTORY 201	The Historian's Craft (Global History of Human Rights)
HISTORY 201	The Historian's Craft (Mass Migrations)
HISTORY 201	The Historian's Craft (Global Christianities)
HISTORY 201	The Historian's Craft (The Camera as Historian)
HISTORY 201	The Historian's Craft (Sex Love in Asian Religions)
HISTORY 201	The Historian's Craft (Women Gender in Mod Europe)
HISTORY 201	The Historian's Craft (Japan After 1945)
HISTORY 201	The Historian's Craft (Tech. Rev in Middle East)
HISTORY 201	The Historian's Craft (Africa and the Global Cold War)
HISTORY 201	The Historian's Craft (Russia and America)
HISTORY 201	The Historian's Craft (The Arab Spring)
HISTORY 201	The Historian's Craft (Mercenaries Pirates E. Mod Med)
HISTORY 223	Explorations in European History (H) (Cold War in European Culture)
HISTORY 223	Explorations in European History (H) (Europe's Urban Age 1900-Today)
HISTORY 223	Explorations in European History (H) (20th Century Britain on Film)
HISTORY 223	Explorations in European History (H) (War on Film in Europe)
HISTORY 225	Explorations in Third World History (H) (Jihad Movements in Africa)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (The History of War in Film)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Love Sex in Asian History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Transnational Islam)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Anarchism: A Global History)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Mideast Nationalism, Migration)
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Empire in the Second World War)
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today
HISTORY/ JEWISH 310	The Holocaust
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century
HISTORY 340	Cultural History of Korea
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present
HISTORY 349	Contemporary France, 1914 to the Present
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe
HISTORY 357	The Second World War
HISTORY/ ASIAN 363	China and World War II in Asia
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe

HISTORY 403	Immigration and Assimilation in American History
HISTORY 419	History of Soviet Russia
HISTORY 424	The Soviet Union and the World, 1917-1991
HISTORY/ LEGAL ST 426	The History of Punishment
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia
HISTORY 600	Advanced Seminar in History (Gandhi, King, Mandela)
HISTORY 600	Advanced Seminar in History (Holocaust Victims Survivors)
HISTORY 600	Advanced Seminar in History (Global History of Non-Violence)
HISTORY 600	Advanced Seminar in History (Gen, War Crim, Human Rts 20C)
HISTORY 600	Advanced Seminar in History (Totalitarianism)
HISTORY 600	Advanced Seminar in History (Global Anti-Apartheid Movement)
HISTORY 600	Advanced Seminar in History (Health Healing - Mod Africa)
HISTORY 600	Advanced Seminar in History (Empire Revol SE Asia)
HISTORY 600	Advanced Seminar in History (European Extreme Right)
HISTORY 600	Advanced Seminar in History (CIA Covert Wars US Foreign Pol)
HISTORY 607	The American Impact Abroad: The Historical Dimension
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas
ILS 371	Interdisciplinary Studies in the Arts and Literature (Sex, Drugs, Lit Latin America)
INTER-LS 106	First-Year Seminar in the Social Sciences
INTL ST/ ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues
INTL ST 275	Lead with Languages: Putting Language Skills to Work
INTL ST/ AFRICAN 302	Arabic Literature and Cinema
INTL ST/ GEOG 311	The Global Game: Soccer, Politics, and Identity
INTL ST 320	Contemporary Issues in International Studies
INTL ST/ HISTORY 330	Global History of Humanitarianism
INTL ST/ ED POL 335	Globalization and Education
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe
INTL ST/ HISTORY 375	The Cold War - From World War II to End of Soviet Empire
INTL ST 401	Topics in Global Security
INTL ST 403	Topics in Culture in the Age of Globalization
INTL ST 405	Topics in Human Rights and Humanitarianism
INTL ST/ POLI SCI 431	Contentious Politics
INTL ST/ POLI SCI 434	The Politics of Human Rights
INTL ST/ POLI SCI 439	The Comparative Study of Genocide
INTL ST 501	Study Abroad Topics in Global Security
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization
INTL ST 504	Study Abroad Topics in Global Environment
INTL ST 520	Study Abroad Topics in International Studies
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights
INTL ST 601	Topics in Global Security
INTL ST 603	Topics in Culture in the Age of Globalization
INTL ST 605	
INTL ST 620	Topics in International Studies
ITALIAN 230	Modern Italian Culture
JEWISH/ POLI SCI 341	Israeli Politics and Society
JEWISH 430	Intermediate Topics in Jewish Literature (Holocaust: Testimony and Expression)
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences (The Politics of Human Rights)
JEWISH/ CURRIC/ED POL/ HISTORY 515	Holocaust: History, Memory and Education
JOURN 567	Mass Media and Global Communication
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age
JOURN 620	International Communication
LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LEGAL ST 409	Human Rights in Law and Society
LEGAL ST 450	Topics in Legal Studies and the Humanities (Courts, Conts and Human Rights)
LINGUIS/ ANTHRO 430	Language and Culture

L I S 201	The Information Society
LITTRANS 200	Food Cultures in Italian Literature
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)
LITTRANS 247	Topics in Slavic Literatures in Translation
LITTRANS 248	National Identity in the Global World: The Italian Case
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance
LITTRANS/ GEN&WS 270	German Women Writers in Translation
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s
LITTRANS 303	Topics in French Literature and Culture
LITTRANS 326	Topics in Dutch Literature in Translation
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen
LITTRANS 373	Topics in Japanese Literature
LITTRANS 454	History of Serbian and Croatian Literature
MED HIST 559	Topics in Ethics and History of Medicine
MUSIC 416	Survey of Music in the Twentieth Century
NUTR SCI/ ENTOM 203	Introduction to Global Health
PHILOS 341	Contemporary Moral Issues
PHILOS/ MED HIST 344	Food Ethics
PHILOS/ ENVIR ST 441	Environmental Ethics
PHILOS 555	Political Philosophy
PHILOS 557	Issues in Social Philosophy
PL PATH 311	Global Food Security
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 339	Non-Democracies
POLI SCI 343	Theories of International Security
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 345	Conflict Resolution
POLI SCI 346	China in World Politics
POLI SCI 347	Terrorism
POLI SCI 349	Global Access to Justice
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 359	American Foreign Policy
POLI SCI 363	Literature and Politics
POLI SCI 370	Islam and Politics
POLI SCI 377	Nuclear Weapons and World Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science (Gender Authoritarian Politics)
POLI SCI 400	Topics in Political Science (Asia - Sec Pacific Foreign Rel)
POLI SCI 400	Topics in Political Science (Global Politics of Policing)
POLI SCI 401	Selected Topics in Political Science (Global Access to Justice)
POLI SCI 401	Selected Topics in Political Science (Transitional Justice World Pol)
POLI SCI 401	Selected Topics in Political Science (LGBTQ+ World Politics)
POLI SCI 401	Selected Topics in Political Science (Authoritarianism)
POLI SCI 401	Selected Topics in Political Science (Dictators on the World Stage)
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ INTL ST 431	Contentious Politics
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 601	Proseminar: Topics in Political Science (Crisis Decis-Making World Poli)
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
POP HLTH/ C&E SOC 370	Introduction to Public Health
PORTUG/ GEN&WS 450	Brazillian Women Writers
POP HLTH 640	Foundations in Global Health Practice
PSYCH 528	Cultural Psychology
RELIG ST 400	Topics in Religious Studies - Humanities
RELIG ST/ AFRICAN/ JEWISH/ MEDIEVAL 462	Muslims and Jews
RELIG ST 475	Religion, Global and Public Health
SCAND ST 436	Topics in Scandinavian Literature

SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia
SCAND ST 439	Nordic Filmmakers
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today
SLAVIC 242	Literatures and Cultures of Eastern Europe
SLAVIC 243	Contemporary Russia: History, Politics, and Culture
SOC 170	Population Problems
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society
SOC/ C&E SOC 541	Environmental Stewardship and Social Justice
SOC 626	Social Movements
SOC 633	Social Stratification
SOC WORK 627	Sex Trafficking and Sex Trading
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH 324	Survey of Modern Spanish Literature
SPANISH 453	Literature of the Twentieth Century
SPANISH 455	Contemporary Mayas: A Culture of Nature
SPANISH 460	Spanish American Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH 479	Latin American Literature and Human Rights
THEATRE 424	Contemporary World Theatre and Dramatic Literature
THEATRE 526	The Theatres of China and Japan

LATIN AMERICAN, CARIBBEAN, AND IBERIAN STUDIES, BA

The Latin American, Caribbean, and Iberian Studies Program is one of the major U.S. centers for research about Latin America.

This major is for those who seek a multidisciplinary education on Latin America, the Caribbean, Spain, and Portugal. It offers a wide range of courses in fields such as anthropology, business, economics, geography, history, journalism, music, political science, sociology, Spanish and Portuguese, and indigenous languages such as Yucatec Maya or Quechua.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of

Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Introduction to Latin America (complete one course):		**3**
LACIS/HISTORY/ INTL ST 242	Modern Latin America	
LACIS/ HISTORY 243	Colonial Latin America: Invasion to Independence	
LACIS/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/HISTORY/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
LACIS/CHICLA/ HISTORY/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
Breadth/Interdisciplinary Requirement (Complete one course from each of the following two sequences)		**6**
Humanities/Education/Politics (Human-Centered) (Complete one course)		
AFROAMER/ DANCE/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	
CHICLA/ POLI SCI 302	Mexican-American Politics	
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media	
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	
CURRIC 292	Globalizing Education	
ED POL 260	Introduction to International Education Development	
ED POL/ INTL ST 335	Globalization and Education	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
INTL ST 101	Introduction to International Studies	
INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America	
LACIS/ SPANISH 285	Race and Culture in the Americas	
LACIS/CHICLA/ ED POL 342	Education across the Americas: Empire, Capitalism, and Resistance	
LITTRANS 252	Spanish Literary Masterpieces in Translation	
MUSIC/ AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	
POLI SCI/ CHICLA 302	Mexican-American Politics	
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America	
POLI SCI/ CHICLA/ HISTORY/ LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	
POLI SCI/ CHICLA/ HISTORY 422	Latino History and Politics	
SPANISH/ LACIS 285	Race and Culture in the Americas	

SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH 480	Topics in Latin American Performance/Visual Studies

Environment/Economy/Health/Agriculture (Environment and Economy) (Complete one course)

A A E 319	The International Agricultural Economy
A A E/ NUTR SCI 350	World Hunger and Malnutrition
A A E/ INTL ST 373	Globalization, Poverty and Development
A A E/ INTL ST 374	The Growth and Development of Nations in the Global Economy
BOTANY 265	Rainforests and Coral Reefs
C&E SOC/ SOC 222	Food, Culture, and Society
ENVIR ST/ F&W ECOL 100	Forests of the World
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes
LACIS/CHICLA/ HISTORY/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies [1]
PLANTSCI 370	World Vegetable Crops
PLANTSCI 376	Tropical Horticultural Systems
PLANTSCI 378	Tropical Horticultural Systems International Field Study
POP HLTH/ C&E SOC 370	Introduction to Public Health
SOC/ C&E SOC 222	Food, Culture, and Society

Depth/Interdisciplinary Requirement (Complete three courses) **9**

AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama
A A E/ECON 474	Economic Problems of Developing Areas
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO/ LACIS 361	Elementary Quechua [2]
ANTHRO/ LACIS 362	Elementary Quechua [2]
ANTHRO/ LACIS 363	Intermediate Quechua [2]
ANTHRO/ LACIS 364	Advanced Quechua [2]
ANTHRO/ LACIS 376	First Semester Yucatec Maya [2]
ANTHRO/ LACIS 377	Second Semester Yucatec Maya [2]
ANTHRO 458	Primate Behavioral Ecology
ANTHRO 668	Primate Conservation
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA 301	Chicana/o and Latina/o History
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ COM ARTS 419	Latino/as and Media
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice
CHICLA/ HISTORY/ POLI SCI 422	Latino History and Politics
CHICLA/ LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
CHICLA/ SPANISH 478	Border and Race Studies in Latin America
CHICLA 520	Latinx Digital Publics
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services
CHICLA/ COUN PSY 590	Esperanza Community-Engaged Research with Latines
CURRIC 366	Internationalizing Educational Knowledge
ECON/A A E/ INTL BUS 462	Latin American Economic Development
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South
ENVIR ST/ C&E SOC/ GEOG 434	People, Wildlife and Landscapes
ENVIR ST/ BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
HISTORY/ LACIS 243	Colonial Latin America: Invasion to Independence
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas
HISTORY/ CHICLA/LACIS/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective

HISTORY/ CHICLA/ POLI SCI 422	Latino History and Politics
HISTORY 434	American Foreign Relations, 1901 to the Present
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World
HISTORY/ HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies [1]
LACIS 698	Directed Study
LACIS 699	Directed Study
POLI SCI/ INTL ST 431	Contentious Politics
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World
Language Cultural Studies: Complete three courses.	**9**
LACIS/ ANTHRO 361	Elementary Quechua [3]
LACIS/ ANTHRO 362	Elementary Quechua [3]
LACIS/ ANTHRO 363	Intermediate Quechua [3]
LACIS/ ANTHRO 364	Advanced Quechua [3]
LACIS/ ANTHRO 376	First Semester Yucatec Maya [3]
LACIS/ ANTHRO 377	Second Semester Yucatec Maya [3]
PORTUG 201	Third Semester Portuguese
PORTUG 202	Fourth Semester Portuguese
PORTUG 221	Introduction to Luso-Brazilian Literatures
PORTUG 225	Third Year Conversation and Composition
PORTUG 226	Third Year Conversation and Composition
PORTUG 301	Intensive Portuguese
PORTUG 302	Intensive Portuguese
PORTUG 311	Fourth Year Composition and Conversation
PORTUG 312	Fourth Year Composition and Conversation
PORTUG 361	Portuguese Civilization
PORTUG 362	Brazilian Civilization
PORTUG 411	Survey of Portuguese Literature before 1825
PORTUG/ AFRICAN 451	Lusophone African Literature
PORTUG 467	Survey of Portuguese Literature since 1825
PORTUG 468	Survey of Brazilian Literature since 1890
PORTUG 573	Topics in Portuguese: Study Abroad
SPANISH/ CHICLA 215	Border and Migration Studies of Latinx America
SPANISH 223	Introduction to Hispanic Cultures
SPANISH 224	Introduction to Hispanic Literatures
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar
SPANISH 228	From Bad Bunny to Bad Hombres: The (Mis)representation and (In)visibility of Spanish in the US
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer
SPANISH 245	
SPANISH 320	Spanish Phonetics
SPANISH 321	The Structure of Modern Spanish
SPANISH 328	Advanced Medical Spanish
SPANISH 331	Spanish Applied Linguistics
SPANISH 311	Advanced Language Practice
SPANISH 317	Spanish for Nursing
SPANISH 319	Topics in Spanish Language Practice
SPANISH 322	Survey of Early Hispanic Literature
SPANISH 324	Survey of Modern Spanish Literature
SPANISH 325	Advanced Conversation
SPANISH 326	Survey of Spanish American Literature
SPANISH/ INTL BUS 329	Spanish for Business
SPANISH 359	Spanish Business Area Studies
SPANISH 361	Spanish Civilization
SPANISH 363	Spanish American Civilization
SPANISH/ CHICLA 364	Survey of Latinx/e Popular Culture
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)
SPANISH 420	Advanced Spanish Phonetics
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages
SPANISH 430	Spanish in the United States
SPANISH 435	Cervantes
SPANISH/ ENVIR ST 445	Culture and the Environment in the Luso-Hispanic World
SPANISH 451	Literature of the Eighteenth and Nineteenth Centuries
SPANISH 453	Literature of the Twentieth Century
SPANISH 460	Spanish American Literature
SPANISH 461	The Spanish American Short Story

SPANISH 464	Spanish American Poetry and Essay
SPANISH/ CHICLA 467	US Latino Literature
SPANISH 468	Topics in Hispanic Culture (The Beautiful Game, Human Rights: Argentina/Chile)
SPANISH/ CHICLA 469	Topics in Latinx Culture
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics
SPANISH 472	Hispanic Screen Studies
SPANISH 473	Study Abroad in Spanish Language Practice
SPANISH 474	Study Abroad in Spanish Linguistics
SPANISH 475	Study Abroad in Hispanic Literatures
SPANISH 476	Study Abroad in Hispanic Cultures
SPANISH 477	Latin American Rock Cultures
SPANISH 479	Latin American Literature and Human Rights
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire
LACIS Seminar (Complete one course)	**3**
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Only topics offered for at least 3 credits may meet this requirement.) [1]
LACIS 681	Senior Honors Thesis
LACIS 682	Senior Honors Thesis
POLI SCI 402	Wisconsin in Washington Internship Course
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LACIS and major courses
- 2.000 GPA on at least 15 credits of upper-level work (courses with intermediate or advanced designation) in the major, in residence
- 15 credits in LACIS, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the LACIS undergraduate advisor.

HONORS IN THE LATIN AMERICAN, CARIBBEAN, AND IBERIAN STUDIES MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA for all major courses
- Complete 18 credits, taken for Honors, with individual grades of B or better, to include:

Code	Title	Credits
LACIS Introductory Course, taken for Honors (Complete one course)		**3-4**
LACIS/HISTORY/ INTL ST 242	Modern Latin America	
LACIS/ HISTORY 243	Colonial Latin America: Invasion to Independence	
LACIS/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/HISTORY/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
LACIS/CHICLA/ HISTORY/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
LACIS Seminar, taken for Honors (Complete one course)		**3-4**
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Only courses that count for at least 3 credits will meet this requirement.) [1]	
POLI SCI 402	Wisconsin in Washington Internship Course	
A two-semester Senior Honors Thesis, taken for Honors (Complete both courses)		**6**
LACIS 681	Senior Honors Thesis	
LACIS 682	Senior Honors Thesis	
Additional LACIS courses taken for Honors to achieve 18 credits		

FOOTNOTES

[1] Can only meet requirements in multiple sections if the topic title is different

[2] Only one Quechua or Yucatec Maya course may be used to meet this requirement (and may not meet both Depth/Interdisciplinary and Language & Cultural Studies requirement)

[3] May meet either the Depth/Interdisciplinary or Language & Cultural Studies requirement, but not both.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Interdisciplinarity) analyzing contemporary political, economic, and cultural realities in the LACIS regions from multi-disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
2. (Depth of knowledge) mastering at the undergraduate expert level a particular disciplinary (e.g. history, anthropology etc.) or topical (e.g. poverty, gender, social justice etc.) theme in the LACIS regions by taking five courses in an area of concentration.
3. (Historical and cultural grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in LACIS regions today.
4. (Language knowledge) mastering at the undergraduate generalist level a particular facet of life in one or more LACIS regions by studying a foreign language to the advanced (3rd year) level and beyond.
5. (Analytical skills) demonstrating the ability to think critically and analytically, the capacity to write clearly and effectively, and the ability to identify and evaluate research methods and outcomes.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Introductory Course for the Major	4	Breadth/Interdisciplinary Course	4
Communication A	4	Ethnic Studies	3
Quantitative Reasoning A	3	Biological Science Breadth	4
SPANISH 101	4	SPANISH 102	4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Breadth/ Interdisciplinary Course		Communication B	4
Elective	3	Depth/Interdisciplinary Course	3
INTER-LS 210	1	Physical Science Breadth	4
Quantitative Reasoning B	4	SPANISH 204	4
Science Breadth	4		
SPANISH 203	4		
	16		**15**

Junior

Fall	Credits	Spring	Credits
Recommend Study Abroad		Recommend Study Abroad and Apply for Summer Internship	
Depth/Interdisciplinary Course	3	Depth/Interdisciplinary Course	3
Elective	3	Spanish, Portuguese, Yucatec Maya, or Quechua language course	4
Science Breadth	4	I/A Level Comp Sci, Math, or Stat (if BS)	3
Spanish, Portuguese, Yucatec Maya, or Quechua language course	4	Electives	6
	14		**16**

Senior

Fall	Credits	Spring	Credits
Spanish, Portuguese, Yucatec Maya, or Quechua language course	4	Electives	12
I/A Level Comp Sci, Math, or Stat (if BS)	4	LACIS Seminar Course	3
Electives	6		
	14		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Please follow the process described on the LACIS website (https://lacis.wisc.edu/programs/undergraduate-degree/).

Students should contact the LACIS undergraduate advisor to determine which courses may satisfy major requirements.

Students are encouraged to seek the assistance of SuccessWorks at the College of Letters & Science early in their academic career. Take advantage of all the services offered such as mock interviews, resume and cover letter review sessions, career preparation workshops, and so on.

Students interested in international internships should contact the International Internships Program (http://internships.international.wisc.edu/) office.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies, we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do international internships, learn foreign languages, and expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students, and prospective students, and more broadly to K–12 teachers and students, post-secondary educators and graduate students, businesses, the media, the military, the community at large, and anyone else who is interested.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Undergraduate students (from any major or discipline) can apply to receive one-time funds (https://lacis.wisc.edu/funding/for-undergraduates/) for internships or volunteer programs in Latin America, the Caribbean, the Iberian Peninsula. Domestic programs will be considered if the work is related to the LACIS field of study. The internships and volunteer programs will be carried out in public institutions or well-established NGOs. Students from any nationality and citizenship are eligible to apply. Please note that preference is given to students declared in the Latin American, Caribbean, and Iberian Studies major. Please check with the LACIS undergraduate advisor, Sarah Ripp (https://lacis.wisc.edu/staff/ripp-sara/), about your plans before submitting an application to ensure it meets our criteria. Read post-internship reports from former grant recipients. We also encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/).

LATIN AMERICAN, CARIBBEAN, AND IBERIAN STUDIES, BS

The Latin American, Caribbean, and Iberian Studies Program is one of the major U.S. centers for research about Latin America.

This major is for those who seek a multidisciplinary education on Latin America, the Caribbean, Spain, and Portugal. It offers a wide range of courses in fields such as anthropology, business, economics, geography, history, journalism, music, political science, sociology, Spanish and Portuguese, and indigenous languages such as Yucatec Maya or Quechua.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Introduction to Latin America (complete one course):		**3**
LACIS/HISTORY/ INTL ST 242	Modern Latin America	
LACIS/ HISTORY 243	Colonial Latin America: Invasion to Independence	
LACIS/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/HISTORY/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
LACIS/CHICLA/ HISTORY/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
Breadth/Interdisciplinary Requirement (Complete one course from each of the following two sequences)		**6**
Humanities/Education/Politics (Human-Centered) (Complete one course)		
AFROAMER/ DANCE/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	
CHICLA/ POLI SCI 302	Mexican-American Politics	
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media	
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	
CURRIC 292	Globalizing Education	
ED POL 260	Introduction to International Education Development	
ED POL/ INTL ST 335	Globalization and Education	
GEOG 307	International Migration, Health, and Human Rights	
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	
INTL ST 101	Introduction to International Studies	
INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America	

LACIS/ SPANISH 285	Race and Culture in the Americas
LACIS/CHICLA/ ED POL 342	Education across the Americas: Empire, Capitalism, and Resistance
LITTRANS 252	Spanish Literary Masterpieces in Translation
MUSIC/ AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas
POLI SCI/ CHICLA 302	Mexican-American Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI/ CHICLA/ HISTORY/ LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective
POLI SCI/ CHICLA/ HISTORY 422	Latino History and Politics
SPANISH/ LACIS 285	Race and Culture in the Americas
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH 480	Topics in Latin American Performance/Visual Studies

Environment/Economy/Health/Agriculture (Environment and Economy) (Complete one course)

A A E 319	The International Agricultural Economy
A A E/ NUTR SCI 350	World Hunger and Malnutrition
A A E/ INTL ST 373	Globalization, Poverty and Development
A A E/ INTL ST 374	The Growth and Development of Nations in the Global Economy
BOTANY 265	Rainforests and Coral Reefs
C&E SOC/ SOC 222	Food, Culture, and Society
ENVIR ST/ F&W ECOL 100	Forests of the World
GEOG/ ENVIR ST 339	Environmental Conservation
GEOG 340	World Regions in Global Context
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes
LACIS/CHICLA/ HISTORY/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies [1]
PLANTSCI 370	World Vegetable Crops
PLANTSCI 376	Tropical Horticultural Systems
PLANTSCI 378	Tropical Horticultural Systems International Field Study
POP HLTH/ C&E SOC 370	Introduction to Public Health
SOC/ C&E SOC 222	Food, Culture, and Society

Depth/Interdisciplinary Requirement (Complete three courses) **9**

AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama
A A E/ECON 474	Economic Problems of Developing Areas
ANTHRO 340	Music, Race, And Culture in Brazil
ANTHRO/ LACIS 361	Elementary Quechua [2]
ANTHRO/ LACIS 362	Elementary Quechua [2]
ANTHRO/ LACIS 363	Intermediate Quechua [2]
ANTHRO/ LACIS 364	Advanced Quechua [2]
ANTHRO/ LACIS 376	First Semester Yucatec Maya [2]
ANTHRO/ LACIS 377	Second Semester Yucatec Maya [2]
ANTHRO 458	Primate Behavioral Ecology
ANTHRO 668	Primate Conservation
BOTANY/ AMER IND/ ANTHRO 474	Ethnobotany
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America
CHICLA 301	Chicana/o and Latina/o History
CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas
CHICLA/ COM ARTS 419	Latino/as and Media
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice
CHICLA/ HISTORY/ POLI SCI 422	Latino History and Politics
CHICLA/ LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement
CHICLA/ SOC 470	Sociodemographic Analysis of Mexican Migration
CHICLA/ SPANISH 478	Border and Race Studies in Latin America
CHICLA 520	Latinx Digital Publics
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services
CHICLA/ COUN PSY 590	Esperanza Community-Engaged Research with Latines
CURRIC 366	Internationalizing Educational Knowledge

ECON/A A E/ INTL BUS 462	Latin American Economic Development	
ENGL/ CHICLA 368	Chicana/o and Latina/o Literatures	
ENGL/ THEATRE 577	Postcolonial Theatre: Drama, Theory and Performance in the Global South	
ENVIR ST/ C&E SOC/ GEOG 434	People, Wildlife and Landscapes	
ENVIR ST/ BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	
HISTORY/ LACIS 243	Colonial Latin America: Invasion to Independence	
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	
HISTORY/ CHICLA/LACIS/ POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	
HISTORY/ CHICLA/ POLI SCI 422	Latino History and Politics	
HISTORY 434	American Foreign Relations, 1901 to the Present	
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	
HISTORY/ HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	
LACIS/ILS 367	The Literature of Migration and the Migrant Experience in the Americas	
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies [1]	
LACIS 698	Directed Study	
LACIS 699	Directed Study	
POLI SCI/ INTL ST 431	Contentious Politics	
SOC/ C&E SOC 630	Sociology of Developing Societies/ Third World	
Language Cultural Studies: Complete three courses.		**9**
LACIS/ ANTHRO 361	Elementary Quechua [3]	
LACIS/ ANTHRO 362	Elementary Quechua [3]	
LACIS/ ANTHRO 363	Intermediate Quechua [3]	
LACIS/ ANTHRO 364	Advanced Quechua [3]	
LACIS/ ANTHRO 376	First Semester Yucatec Maya [3]	
LACIS/ ANTHRO 377	Second Semester Yucatec Maya [3]	
PORTUG 201	Third Semester Portuguese	
PORTUG 202	Fourth Semester Portuguese	
PORTUG 221	Introduction to Luso-Brazilian Literatures	
PORTUG 225	Third Year Conversation and Composition	
PORTUG 226	Third Year Conversation and Composition	
PORTUG 301	Intensive Portuguese	
PORTUG 302	Intensive Portuguese	
PORTUG 311	Fourth Year Composition and Conversation	
PORTUG 312	Fourth Year Composition and Conversation	
PORTUG 361	Portuguese Civilization	
PORTUG 362	Brazilian Civilization	
PORTUG 411	Survey of Portuguese Literature before 1825	
PORTUG/ AFRICAN 451	Lusophone African Literature	
PORTUG 467	Survey of Portuguese Literature since 1825	
PORTUG 468	Survey of Brazilian Literature since 1890	
PORTUG 573	Topics in Portuguese: Study Abroad	
SPANISH/ CHICLA 215	Border and Migration Studies of Latinx America	
SPANISH 223	Introduction to Hispanic Cultures	
SPANISH 224	Introduction to Hispanic Literatures	
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar	
SPANISH 228	From Bad Bunny to Bad Hombres: The (Mis)representation and (In)visibility of Spanish in the US	
SPANISH 230	The Beautiful Game: Cultural Politics of Soccer	
SPANISH 245		
SPANISH 320	Spanish Phonetics	
SPANISH 321	The Structure of Modern Spanish	
SPANISH 328	Advanced Medical Spanish	
SPANISH 331	Spanish Applied Linguistics	
SPANISH 311	Advanced Language Practice	
SPANISH 317	Spanish for Nursing	
SPANISH 319	Topics in Spanish Language Practice	
SPANISH 322	Survey of Early Hispanic Literature	
SPANISH 324	Survey of Modern Spanish Literature	
SPANISH 325	Advanced Conversation	
SPANISH 326	Survey of Spanish American Literature	
SPANISH/ INTL BUS 329	Spanish for Business	

SPANISH 359	Spanish Business Area Studies
SPANISH 361	Spanish Civilization
SPANISH 363	Spanish American Civilization
SPANISH/ CHICLA 364	Survey of Latinx/e Popular Culture
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)
SPANISH 420	Advanced Spanish Phonetics
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages
SPANISH 430	Spanish in the United States
SPANISH 435	Cervantes
SPANISH/ ENVIR ST 445	Culture and the Environment in the Luso-Hispanic World
SPANISH 451	Literature of the Eighteenth and Nineteenth Centuries
SPANISH 453	Literature of the Twentieth Century
SPANISH 460	Spanish American Literature
SPANISH 461	The Spanish American Short Story
SPANISH 464	Spanish American Poetry and Essay
SPANISH/ CHICLA 467	US Latino Literature
SPANISH 468	Topics in Hispanic Culture (The Beautiful Game, Human Rights: Argentina/Chile)
SPANISH/ CHICLA 469	Topics in Latinx Culture
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics
SPANISH 472	Hispanic Screen Studies
SPANISH 473	Study Abroad in Spanish Language Practice
SPANISH 474	Study Abroad in Spanish Linguistics
SPANISH 475	Study Abroad in Hispanic Literatures
SPANISH 476	Study Abroad in Hispanic Cultures
SPANISH 477	Latin American Rock Cultures
SPANISH 479	Latin American Literature and Human Rights
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire
LACIS Seminar (Complete one course)	**3**
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Only topics offered for at least 3 credits may meet this requirement.) [1]
LACIS 681	Senior Honors Thesis
LACIS 682	Senior Honors Thesis
POLI SCI 402	Wisconsin in Washington Internship Course
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LACIS and major courses
- 2.000 GPA on at least 15 credits of upper-level work (courses with intermediate or advanced designation) in the major, in residence
- 15 credits in LACIS, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the LACIS undergraduate advisor.

HONORS IN THE LATIN AMERICAN, CARIBBEAN, AND IBERIAN STUDIES MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA for all major courses
- Complete 18 credits, taken for Honors, with individual grades of B or better, to include:

Code	Title	Credits
LACIS Introductory Course, taken for Honors (Complete one course)		**3-4**
LACIS/HISTORY/ INTL ST 242	Modern Latin America	
LACIS/ HISTORY 243	Colonial Latin America: Invasion to Independence	
LACIS/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/HISTORY/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	
LACIS/CHICLA/ HISTORY/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
LACIS Seminar, taken for Honors (Complete one course)		**3-4**
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies (Only courses that count for at least 3 credits will meet this requirement.) [1]	
POLI SCI 402	Wisconsin in Washington Internship Course	
A two-semester Senior Honors Thesis, taken for Honors (Complete both courses)		**6**
LACIS 681	Senior Honors Thesis	
LACIS 682	Senior Honors Thesis	
Additional LACIS courses taken for Honors to achieve 18 credits		

FOOTNOTES

1 Can only meet requirements in multiple sections if the topic title is different
2 Only one Quechua or Yucatec Maya course may be used to meet this requirement (and may not meet both Depth/Interdisciplinary and Language & Cultural Studies requirement)
3 May meet either the Depth/Interdisciplinary or Language & Cultural Studies requirement, but not both.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Interdisciplinarity) analyzing contemporary political, economic, and cultural realities in the LACIS regions from multi-disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
2. (Depth of knowledge) mastering at the undergraduate expert level a particular disciplinary (e.g. history, anthropology etc.) or topical (e.g. poverty, gender, social justice etc.) theme in the LACIS regions by taking five courses in an area of concentration.
3. (Historical and cultural grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in LACIS regions today.
4. (Language knowledge) mastering at the undergraduate generalist level a particular facet of life in one or more LACIS regions by studying a foreign language to the advanced (3rd year) level and beyond.
5. (Analytical skills) demonstrating the ability to think critically and analytically, the capacity to write clearly and effectively, and the ability to identify and evaluate research methods and outcomes.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Introductory Course for the Major	4	Breadth/Interdisciplinary Course	4
Communication A	4	Ethnic Studies	3
Quantitative Reasoning A	3	Biological Science Breadth	4
SPANISH 101	4	SPANISH 102	4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Breadth/ Interdisciplinary Course		Communication B	4
Elective	3	Depth/Interdisciplinary Course	3
INTER-LS 210	1	Physical Science Breadth	4
Quantitative Reasoning B	4	SPANISH 204	4
Science Breadth	4		
SPANISH 203	4		
	16		**15**

Junior

Fall	Credits	Spring	Credits
Recommend Study Abroad		Recommend Study Abroad and Apply for Summer Internship	
Depth/Interdisciplinary Course	3	Depth/Interdisciplinary Course	3
Elective	3	Spanish, Portuguese, Yucatec Maya, or Quechua language course	4
Science Breadth	4	I/A Level Comp Sci, Math, or Stat (if BS)	3
Spanish, Portuguese, Yucatec Maya, or Quechua language course	4	Electives	6
	14		**16**

Senior

Fall	Credits Spring	Credits
Spanish, Portuguese, Yucatec Maya, or Quechua language course	4 Electives	12
I/A Level Comp Sci, Math, or Stat (if BS)	4 LACIS Seminar Course	3
Electives	6	
	14	**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

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SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

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MIDDLE EAST STUDIES, CERTIFICATE

Given the immense importance of the Middle East and North Africa region in shaping contemporary world politics, the Middle East Studies certificate is designed to provide an interdisciplinary perspective of the region's history and contemporary dynamics and their representations across the diaspora. The Middle East Studies certificate offers a unique opportunity for students to develop their interest and knowledge of this region through a wide range of courses taught by UW–Madison professors with great expertise in the fields of political science, history, religious studies, sociology/anthropology, art history, literature, and modern languages.

The Middle East Studies certificate gives students a variety of career opportunities in international affairs, public policy, journalism, governmental institutions, education, public heath, humanitarian organizations, economic development, and security, or going on to graduate school and a career in academia.

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the undergraduate certificate should contact the advisor.

REQUIREMENTS

REQUIREMENTS

18 credits are required, as follows:

CORE COURSE

Complete one core course:

Code	Title	Credits
HISTORY 139	Introduction to the Modern Middle East	3-4
INTL ST 266	Introduction to the Middle East	3

MIDDLE EASTERN LANGUAGE COURSE

One course required from:

Code	Title	Credits
AFRICAN 322	Second Semester Arabic	5
AFRICAN 340	Second Semester Summer Arabic	4
ASIALANG 138	Second Semester Persian	4
GNS 340	Second Semester Turkish	4
HEBR-MOD 102	Second Semester Hebrew	4
HEBR-MOD 311	Second Semester Intensive Modern Hebrew	4

HISTORY AND SOCIAL SCIENCE COURSES

One course required from:

Code	Title	Credits
ANTHRO 322	The Origins of Civilization	3
CURRIC 292	Globalizing Education	3
CLASSICS 308	Sex and Violence in the Ancient Near East	3
CLASSICS 321	The Egyptians: History, Society, and Literature	3
GEOG 307	International Migration, Health, and Human Rights	3
GEOG 340	World Regions in Global Context	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
INTL ST 401	Topics in Global Security	3-4
JEWISH 225	Jews and Race	3
POLI SCI 320	Governments and Politics of the Middle East and North Africa	3-4
POLI SCI 323	Islam and World Politics	3-4
POLI SCI/ JEWISH 341	Israeli Politics and Society	3-4
POLI SCI 347	Terrorism	3
POLI SCI 370	Islam and Politics	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
POLI SCI 529	Arab-Israeli Conflict	3-4
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire	3

RELIGION AND CULTURE COURSES

One course required from:

Code	Title	Credits
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN 300	African Literature in Translation	3
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	3
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	3
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST 440	Art and Power in the Arab World	3
ART HIST 510	Proseminar in Islamic Art and Architecture	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
CLASSICS 315	Africana Approaches to Biblical Interpretation	3
CLASSICS 321	The Egyptians: History, Society, and Literature	3
CLASSICS/JEWISH/ RELIG ST 323	The Bible and Film: Literature and Media	3
CLASSICS/HEBR-BIB/JEWISH/ LITTRANS/ RELIG ST 332	Prophets of the Bible	4
CLASSICS/JEWISH/ RELIG ST 335	King David in History and Tradition	3
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean	3
CLASSICS 523	Palmyra and the Palmyrenes	3
FRENCH/ GEN&WS 285	Rebellious Women from the Global South	3-4
GNS 460	Readings in Turkish: Contemporary Turkey through Literature and Media	4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HEBR-BIB/ CLASSICS/ JEWISH/LITTRANS/ RELIG ST 332	Prophets of the Bible	4
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature	3

HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature	3
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I	3
HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II	3
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
JEWISH/ RELIG ST 215	The Sabbath	3
JEWISH/CLASSICS/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	4
JEWISH/ CLASSICS 241	Introduction to Biblical Archaeology	4
JEWISH 356	Jerusalem, Holy City of Conflict and Desire	3
JEWISH 430	Intermediate Topics in Jewish Literature	3-4
JEWISH/AFRICAN/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	3
LITTRANS/JEWISH/ RELIG ST 328	Classical Rabbinic Literature in Translation	3-4
RELIG ST 103	Exploring Religion and Sexuality	3
RELIG ST/ ASIAN 206	The Qur'an: Religious Scripture & Literature	3
RELIG ST/ JEWISH 211	Introduction to Judaism	4
RELIG ST/ CLASSICS/JEWISH/ LITTRANS 227	Introduction to Biblical Literature (in English)	4

ELECTIVES

Additional course work from the categories above, or the following may be used to meet reach the minimum 18 credits required. [1]

Code	Title	Credits
AFRICAN 329	Fifth Semester Arabic	3
AFRICAN 330	Sixth Semester Arabic	3
AFRICAN 343	Fifth Semester Summer Arabic	4
AFRICAN 344	Sixth Semester Summer Arabic	4
ASIALANG 337	Fifth Semester Persian	3
ASIALANG 338	Sixth Semester Persian	3-4
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean	3
CURRIC 292	Globalizing Education	3
CURRIC 366	Internationalizing Educational Knowledge	3
GNS 529	Advanced Summer Immersion Turkish	8
GNS 539	Fifth Semester Turkish and Azeri	3-4
GNS 540	Sixth Semester Turkish and Azeri	3-4
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature	3
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature	3
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I	3
HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II	3
JEWISH/CLASSICS/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	4

RESIDENCE AND QUALITY OF WORK

- At least 9 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

FOOTNOTES

[1] A maximum of 3 credits of Advanced Language may apply to the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Historical and Cultural Grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in the region today.
2. (Multi-disciplinarity) analyzing contemporary political, economic, and cultural realities in the region from at least two disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
3. (Depth of knowledge) mastering at the undergraduate generalist level a particular facet of life in the region by taking courses on a particular sub-region or country, or by studying a regional language, or by taking at least two courses on the region in one discipline.

ADVISING AND CAREERS

ADVISING AND CAREERS

Advising for the certificate is run by the Institute for Regional and International Studies (https://iris.wisc.edu/) (IRIS). The IRIS Assistant Director for Students and Curriculum advises the certificate and can assist you in developing your plan of study, track progress toward your certificate, explore study abroad and international internship options, and begin the career exploration process. We offer walk-in advising, advising workshops, and scheduled appointments. We strongly encourage students to begin career exploration early on and to make use of the many resources available on campus.

RESOURCES

- Language and International Directions Advising (http://www.languages.wisc.edu/languageadvising/) (Language Institute)
- International Internship Program (http://internships.international.wisc.edu/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies (https://iris.wisc.edu/), we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do international internships, and learn foreign languages, and we expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students, and prospective students, and more broadly to K–12 teachers and students, postsecondary educators and graduate students, businesses, the media, the military, the community at large, and anyone else who is interested.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about funding through the Middle East Studies Program is available on our website (https://mideast.wisc.edu/funding-resources/). We also encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/).

RUSSIAN, EAST EUROPEAN, AND CENTRAL ASIAN STUDIES, CERTIFICATE

The Certificate in Russian, East European, and Central Asian studies provides students with knowledge of the societies and cultures of the peoples of Eastern Europe and Eurasia, drawing on the disciplines of anthropology, communication arts, economics, folklore, geography, history, language and literature, law, political science, and sociology. The certificate can be a valuable addition to a major in business, economics, education, geography, history, international studies, political science, Slavic languages and literature, and others.

At least two years of a Slavic, East European, or Central Asian language are strongly recommended for the certificate, but are not formally required. Read about the languages (https://languages.wisc.edu/languages/) taught at UW–Madison.

Students may also be interested in the Russian major (p. 802), the Polish major (p. 795), and the Certificate in East Central European Languages, Literatures, and Cultures (p. 781).

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the undergraduate certificate should contact the advisor.

REQUIREMENTS

REQUIREMENTS

Seven courses are required, at least one from each of the following three groups. [1]

INTERDISCIPLINARY COURSES (GROUP 1)

Complete at least one course:

Code	Title	Credits
HISTORY/POLI SCI/GEOG/ SLAVIC 253	Russia: An Interdisciplinary Survey	
HISTORY/POLI SCI/GEOG/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	
HISTORY/ GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	

HISTORY AND THE SOCIAL SCIENCES (GROUP 2):

Complete at least one course from any of these areas:

Agricultural and Applied Economics

Code	Title	Credits
A A E/ ENVIR ST 244	The Environment and the Global Economy	

A A E/ INTL ST 373	Globalization, Poverty and Development
A A E/ INTL ST 374	The Growth and Development of Nations in the Global Economy
A A E/ECON 474	Economic Problems of Developing Areas

Economics

Code	Title	Credits
ECON 464	International Trade	

Geography

Code	Title	Credits
GEOG 318	Introduction to Geopolitics	
GEOG 340	World Regions in Global Context (Check with instructor to verify 25% or more regional content)	

History

Code	Title	Credits
HISTORY 120	Europe and the Modern World 1815 to the Present	
HISTORY 270	Eastern Europe since 1900	
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	
HISTORY 357	The Second World War	
HISTORY 359	History of Europe Since 1945	
HISTORY/ INTL ST 375	The Cold War - From World War II to End of Soviet Empire	
HISTORY 417	History of Russia	
HISTORY 418	History of Russia	
HISTORY 419	History of Soviet Russia	
HISTORY 420	Russian Social and Intellectual History	
HISTORY 424	The Soviet Union and the World, 1917-1991	
HISTORY 434	American Foreign Relations, 1901 to the Present	
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	

Political Science

Code	Title	Credits
POLI SCI 120	Introduction to Comparative Politics	
POLI SCI 182	Introduction to Comparative Politics (Honors)	
POLI SCI 323	Islam and World Politics	
POLI SCI 334	Russian Politics	
POLI SCI 340	The European Union: Politics and Political Economy	
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences	
POLI SCI 377	Nuclear Weapons and World Politics	
POLI SCI/ INTL ST 434	The Politics of Human Rights	
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	
POLI SCI 538		
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	

LITERATURE AND THE ARTS (GROUP 3)

Complete at least one course from any of these areas:

Asian Language & Culture

Code	Title	Credits
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	

Communication Arts

Code	Title	Credits
COM ARTS 463	Avant-Garde Film	
COM ARTS 474	Rhetoric of the Cold War	

Comparative Literature

Code	Title	Credits
COMP LIT 202	Introduction to Modern and Contemporary Literature	
COMP LIT 350	Problems in Comparative Literatures and Cultures	

English

Code	Title	Credits
ENGL/ LITTRANS 223	Vladimir Nabokov: Russian and American Writings	

Folklore

Code	Title	Credits
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	
FOLKLORE/ RELIG ST 352	Shamanism	
FOLKLORE/ SCAND ST 443	Sami Culture, Yesterday and Today	
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	
FOLKLORE 460	Folk Epics	

German, Nordic and Slavic

Code	Title	Credits
GNS/ FOLKLORE 200	Folklore of Central, Eastern and Northern Europe	
GNS/ ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	
GNS 270	Introductory Topics in GNS	
GNS 324	Literatures of Central Asia	
GNS 460	Readings in Turkish: Contemporary Turkey through Literature and Media	
GNS 471	Advanced Topics in East European and Central Asian Languages and Cultures	

Jewish Studies

Code	Title	Credits
JEWISH 230	Elementary Topics in Jewish Literature	
JEWISH/ GERMAN/ LITTRANS 269	Yiddish Literature and Culture in Europe	

Literature in Translation

Code	Title	Credits
LITTRANS 201	Survey of 19th and 20th Century Russian Literature in Translation I	
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I	
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II	
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	
LITTRANS 207	Slavic Science Fiction through Literature and Film	
LITTRANS 208	The Writings of Vaclav Havel: Crtitique of Modern Society	
LITTRANS/ SLAVIC 215	Love and Death: Introduction to Polish Literature & Culture	
LITTRANS 218	Polish Literature in Translation: Late 19th and 20th Centuries	
LITTRANS 220	Chekhov: The Drama of Modern Life	
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	
LITTRANS 222	Dostoevsky in Translation	
LITTRANS 224	Tolstoy in Translation	
LITTRANS 229	Representation of the Jew in Eastern European Cultures	
LITTRANS 233	Russian Life and Culture Through Literature and Art (to 1917)	
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	
LITTRANS 241	Literatures and Cultures of Eastern Europe	
LITTRANS 247	Topics in Slavic Literatures in Translation	
LITTRANS/ SLAVIC 266	Elementary Special Topics in Russian Literature & Culture	
LITTRANS/ GERMAN/ JEWISH 269	Yiddish Literature and Culture in Europe	
LITTRANS/ FOLKLORE 327	Vampires	
LITTRANS/ FOLKLORE 347	In Translation: Kalevala and Finnish Folk-Lore	
LITTRANS/ SLAVIC 361	Living at the End of Times: Contemporary Polish Literature and Culture	
LITTRANS/ SLAVIC 366	Intermediate Special Topics in Russian Literature & Culture	
LITTRANS 454	History of Serbian and Croatian Literature	
LITTRANS 471	Polish Literature (in Translation), Middle Ages to 1863	
LITTRANS 473	Polish Literature (in Translation) since 1863	

Scandinavian Studies

Code	Title	Credits
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	

Slavic Languages and Literature

Code	Title	Credits
SLAVIC 231	History and Ethics on Film: Polish Cinema	
SLAVIC/ LITTRANS 238	Literature and Revolution	
SLAVIC 239	Performance and Power	
SLAVIC 242	Literatures and Cultures of Eastern Europe	
SLAVIC 243	Contemporary Russia: History, Politics, and Culture	
SLAVIC 245	Topics in Slavic Literatures	
SLAVIC 246	Escaping Utopia: Cultures after Communism	
SLAVIC/ LITTRANS 259	Adventure in Literature and Film	
SLAVIC 285	Slavic Culture in Context: An Honors Course	
SLAVIC 307	Study Abroad in Poland	
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	
SLAVIC 309	Russian Area Studies on Study Abroad	
SLAVIC 310	Topics in Russian: Study Abroad	
SLAVIC 342	Introduction to Serbian and Croatian Literature	
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	
SLAVIC 405	Women in Russian Literature	
SLAVIC 420	Chekhov	
SLAVIC 421	Gogol	
SLAVIC 422	Dostoevsky	
SLAVIC 424	Tolstoy	
SLAVIC 433	History of Russian Culture	
SLAVIC 434	Contemporary Russian Culture	
SLAVIC 449	History of Serbo-Croatian Literature	
SLAVIC 465	Advanced Readings in Russian Literature & Culture	
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	
SLAVIC 470	History of Polish Literature until 1863	

SLAVIC 472	History of Polish Literature after 1863
SLAVIC 560	Capstone Seminar in Russian Literature and Culture
SLAVIC 699	Directed Study

Theatre & Drama

Code	Title	Credits
THEATRE/ LITTRANS 423	In Translation: Slavic Drama in Context	

RESIDENCE AND QUALITY OF WORK

- Minimum 2.500 GPA on all certificate courses
- At least 11 certificate credits must be completed in residence

FOOTNOTES

[1] A course that is listed in more than one group will only apply to one group. A course that is more than minimally required in one group may apply to a different group.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Regional Understanding) Demonstrate an understanding of the cultural, political, economic, social, and historical factors that have shaped the development of societies in Eurasia, Russia, and East and Central Europe.
2. (Multi-disciplinarity) Analyze the historical, political, economic, social, and cultural realities in the region from at least two disciplinary perspectives, including both humanities and social sciences approaches.

ADVISING AND CAREERS

ADVISING AND CAREERS

Advising for the certificate is administered by the Institute for Regional and International Studies (IRIS). The IRIS Assistant Director for Students and Curriculum can assist you in developing your plan of study for the certificate, track progress toward your certificate, explore study abroad and international internship options, and begin the career-exploration process. We offer walk-in advising, advising workshops, and scheduled appointments. We strongly encourage students to begin career exploration early on and to make use of the many resources available on campus. creeca.wisc.edu/academics/undergraduates (https://creeca.wisc.edu/academics/undergraduates/)

- Language and International Directions Advising (https://languages.wisc.edu/make-an-appointment/) (Language Institute)
- International Internship Program (http://internships.international.wisc.edu/)

SUCCESSWORKS

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

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RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about resources, scholarships, and other funding (https://creeca.wisc.edu/funding/) through the Center for Russia, East Europe, and Central Asia website. We also encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/).

SOUTH ASIAN STUDIES, CERTIFICATE

Undergraduates interested in cross-disciplinary study of South Asia—generally defined as the countries of Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka, and the Tibetan region—may earn a certificate in South Asian Studies. The certificate can be a valuable addition to studies in Anthropology, Archeology, Asian Languages and Cultures, Business, Communications, Economics, Education, Gender and Women's Studies, Geography, History, International Studies, Journalism, Political Science, Zoology, and more. Completion of the certificate provides a concentration in the area through language and interdisciplinary training that provides enhanced career opportunities or increased preparation for graduate study.

The certificate in South Asian Studies can be partially fulfilled through completion of a study abroad program in South Asia administered by International Academic Programs (https://studyabroad.wisc.edu/programsearch/?Region=1).

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the undergraduate certificate should contact the undergraduate advisor.

Students declared in the Asian Languages and Cultures: South Asian Studies BA/BS/MAJ are not eligible to declare the South Asian Studies certificate.

REQUIREMENTS

REQUIREMENTS

Complete 21 credits, distributed as follows:

INTRODUCTORY COURSE

Select one of these courses:

Code	Title	Credits
ASIAN 100	Gateway to Asia: Special Topics	3-4
ASIAN/ RELIG ST 274	Religion in South Asia	3
HISTORY 142	History of South Asia to the Present	3-4

AREA COURSES

Select 9 credits from these courses:

Code	Title	Credits
ANTHRO 102	Archaeology and the Prehistoric World	3
ART HIST/ASIAN 179	Passage Through India: South Asia's Global Architectural Histories	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ ASIAN 379	Cities of Asia	3
ASIALANG 133	First Semester Hindi	4
ASIALANG 134	Second Semester Hindi	4
ASIALANG 135	First Semester Modern Tibetan	4
ASIALANG 136	Second Semester Modern Tibetan	4
ASIALANG 137	First Semester Persian	4
ASIALANG 138	Second Semester Persian	4
ASIALANG 139	First Semester Urdu	4
ASIALANG 140	Second Semester Urdu	4
ASIALANG 141	First Semester Sanskrit	3-4
ASIALANG 142	Second Semester Sanskrit	3-4
ASIALANG 233	Third Semester Hindi	4
ASIALANG 234	Fourth Semester Hindi	4
ASIALANG 235	Third Semester Modern Tibetan	4
ASIALANG 236	Fourth Semester Modern Tibetan	4
ASIALANG 237	Third Semester Persian	4
ASIALANG 238	Fourth Semester Persian	4
ASIALANG 239	Third Semester Urdu	4
ASIALANG 240	Fourth Semester Urdu	4
ASIALANG 241	Third Semester Sanskrit	3-4
ASIALANG 242	Fourth Semester Sanskrit	3-4
ASIALANG 317	First Semester Summer Asian Language	4
ASIALANG 327	Second Semester Summer Asian Language	4
ASIALANG 333	Fifth Semester Hindi	3-4
ASIALANG 334	Sixth Semester Hindi	3-4
ASIALANG 335	Fifth Semester Tibetan	4
ASIALANG 336	Sixth Semester Tibetan	4
ASIALANG 337	Fifth Semester Persian	3-4
ASIALANG 338	Sixth Semester Persian	3-4
ASIALANG 339	Fifth Semester Urdu	3-4
ASIALANG 340	Sixth Semester Urdu	3-4
ASIALANG 417	Third Semester Summer Asian Language	4
ASIALANG 427	Fourth Semester Summer Asian Language	4
ASIALANG 517	Fifth Semester Summer Asian Language	4
ASIALANG 527	Sixth Semester Summer Asian Language	4
ASIAN/ LITTRANS 212	Classical South Asian Literatures	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 252	Contemporary Indian Society	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN 300	Topics in Asian Studies	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN 311	Modern Indian Literatures	3

ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ ART HIST 428	Visual Cultures of India	3
ASIAN/ COM ARTS 443	Indian Cinema in the U.S. and Beyond	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ HISTORY 463	Topics in South Asian History	3
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/ ENGL 270	A Survey of Asian American Literature	3
COM ARTS/ ASIAN 443	Indian Cinema in the U.S. and Beyond	3
GEOG/INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	3
GEOG 340	World Regions in Global Context	3
GEOG 510	Economic Geography	4
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
HISTORY 130	An Introduction to World History	3-4
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities)	3
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY 450	Making of Modern South Asia	3-4
INTL BUS 200	International Business	3
INTL ST 320	Contemporary Issues in International Studies	1-4
LEGAL ST/ HISTORY 510	Legal Pluralism	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
RELIG ST/ ASIAN 274	Religion in South Asia	3
RELIG ST/ ASIAN 303	Jainism: Religion and Culture of Nonviolence	3
RELIG ST/ ASIAN 473	Meditation in Indian Buddhism and Hinduism	3

DISCIPLINARY COURSES

Select 6 credits from these courses:

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
ANTHRO 102	Archaeology and the Prehistoric World	3
ANTHRO 322	The Origins of Civilization	3
ANTHRO/ LINGUIS 430	Language and Culture	3-4
ART HIST 411	Topics in Asian Art	3-4
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 311	Modern Indian Literatures	3
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ ART HIST 428	Visual Cultures of India	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN/ COM ARTS 443	Indian Cinema in the U.S. and Beyond	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ RELIG ST 466	Buddhist Thought	3
ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
CURRIC 292	Globalizing Education	3
CURRIC 366	Internationalizing Educational Knowledge	3
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	3
ED POL 260	Introduction to International Education Development	3
ENGL/ASIAN 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEOG/INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	3
GEOG 340	World Regions in Global Context	3
GEOG 510	Economic Geography	4
GNS/HISTORY 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
INTL BUS 200	International Business	3
INTL BUS/ GEN BUS 320	Intercultural Communication in Business	3

INTL BUS/ MARKETNG 420	Global Marketing Strategy	3
INTL ST/A A E 374	The Growth and Development of Nations in the Global Economy	3
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s	3

CAPSTONE

Select 3 credits from these courses:

Code	Title	Credits
ANTHRO 690	Problems in Anthropology	3-4
ASIALANG 675	Advanced Readings in Sanskrit	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN/ ART HIST 621	Mapping, Making, and Representing Colonial Spaces	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
ASIAN/ RELIG ST 650	Proseminar in Buddhist Thought	2-3
ASIAN 655	Ethnography in Asia	3
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
HISTORY/ ASIAN 463	Topics in South Asian History	3
POP HLTH/ HIST SCI/ MED HIST 553	International Health and Global Society	3
POP HLTH 644	Interdisciplinary Perspectives on Global Health and Disease	1
RELIG ST/ ASIAN 473	Meditation in Indian Buddhism and Hinduism	3

RESIDENCE AND QUALITY OF WORK

- Minimum 2.750 GPA on all certificate courses.
- At least 11 certificate credits must be completed in residence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Historical Grounding) understanding the historical, political, and cultural forces and conditions that have given rise to the unity and diversity in the region today.
2. (Multi-disciplinarity) analyzing contemporary political, economic, and cultural realities in the region from at least two disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
3. (Depth of knowledge) mastering at the undergraduate generalist level a particular facet of life in the region by taking courses on a particular sub-region or country, or by studying a regional language, or by taking at least two courses on the region in one discipline.

ADVISING AND CAREERS

ADVISING AND CAREERS

Advising for the certificate is administered by the Institute for Regional and International Studies (IRIS). The IRIS assistant director for students and curriculum can assist you in developing your plan of study for the certificate, track progress towards your certificate, explore study abroad and international internship options, and begin the career exploration process. We offer walk-in advising, advising workshops, and scheduled appointments. We strongly encourage students to begin career exploration early on and to make use of the many resources available on campus.

Contact the certificate advisor (https://southasia.wisc.edu/undergraduate-studies/) to create a plan that includes a well-balanced selection of area studies and disciplinary courses and for approval of appropriate introductory and capstone seminar courses.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies (https://iris.wisc.edu/), we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do

international internships, learn foreign languages, and expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students, and prospective students, and more broadly to K–12 teachers and students, postsecondary educators and graduate students, businesses, the media, the military, the community at large, and anyone else who is interested.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about resources and scholarships through the Center for South Asia is available on our website (http://southasia.wisc.edu/). Please contact the Center for more information about the South Asian Flagship Languages Initiative (SAFLI), the South Asia Summer Language Institute (SASLI), and the Annual Conference on South Asia. We also strongly encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/).

SOUTHEAST ASIAN STUDIES, CERTIFICATE

The Southeast Asian Studies certificate meets the needs of students choosing to focus on the Southeast Asia region—Brunei, Cambodia, East Timor, Indonesia, Laos, Malaysia, Myanmar/Burma, Philippines, Singapore, Thailand, Vietnam—but not wishing to commit to the more rigorous language and area studies courses required for the Asian Languages and Cultures major. Students select classes reflecting their interests offered through many university departments and can work toward a variety of undergraduate majors. The certificate is of value to students wishing to demonstrate their knowledge of the Southeast Asian region either to potential employers or to graduate schools.

Students interested in more specialized study of the languages and literature of East Asia, South Asia, or Southeast Asia can consider the Asian Languages and Cultures major (p. 432), the East Asian Studies certificate (p. 864), or the South Asian Studies certificate (p. 972).

Those interested in the study of languages and cultures of Central Asia can consider the Russian, East European, and Central Asian Studies certificate (p. 968).

HOW TO GET IN

HOW TO GET IN

Students interested in declaring the certificate in Southeast Asian studies should contact the program advisor.

Students declared in the Asian Languages and Cultures: Southeast Asian Studies BA/BS/MAJ are not eligible to declare the Southeast Asian Studies certificate.

REQUIREMENTS

REQUIREMENTS

Complete 15 credits, as follows:

Code	Title	Credits
Language		
Up to 6 credits of Language may count towards the certificate.		0-6
ASIALANG 223	Third Semester Filipino	
ASIALANG 224	Fourth Semester Filipino	
ASIALANG 225	Third Semester Hmong	
ASIALANG 226	Fourth Semester Hmong	
ASIALANG 227	Third Semester Indonesian	
ASIALANG 228	Fourth Semester Indonesian	
ASIALANG 229	Third Semester Thai	
ASIALANG 230	Fourth Semester Thai	
ASIALANG 231	Third Semester Vietnamese	
ASIALANG 232	Fourth Semester Vietnamese	
ASIALANG 323	Fifth Semester Filipino	
ASIALANG 324	Sixth Semester Filipino	
ASIALANG 325	Fifth Semester Hmong	
ASIALANG 326	Sixth Semester Hmong	
ASIALANG 328	Sixth Semester Indonesian	
ASIALANG 329	Fifth Semester Thai	
ASIALANG 330	Sixth Semester Thai	
ASIALANG 331	Fifth Semester Vietnamese	
ASIALANG 332	Sixth Semester Vietnamese	
ASIALANG 348	Fifth Semester Indonesian	
ASIALANG 407	Third Semester Southeast Asian Language	
ASIALANG 408	Fourth Semester Southeast Asian Language	
ASIALANG 507	Fifth Semester Southeast Asian Language	
ASIALANG 508	Sixth Semester Southeast Asian Language	
ASIALANG 607	Seventh Semester Southeast Asian Language	
ASIALANG 608	Eighth Semester Southeast Asian Language	
Core courses:		**9-15**
A A E/ INTL ST 373	Globalization, Poverty and Development	
ANTHRO 322	The Origins of Civilization	
ANTHRO 339	Archaeology of Warfare and Human Nature	
ART HIST/ ASIAN 379	Cities of Asia	
ASIAN AM 240	Topics in Asian American Studies	
ASIALANG 475	Advanced Topics in Asian Translation	

ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature
ASIAN 403	Southeast Asian Literature
COM ARTS 310	Topics in Rhetoric and Communication Science
COM ARTS 470	Contemporary Political Discourse
GEOG/ASIAN/ HISTORY/ POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines
GEOG 340	World Regions in Global Context
GEOG 358	Human Geography of Southeast Asia
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism
HISTORY/ ASIAN 319	The Vietnam Wars
HISTORY/ INTL ST 375	The Cold War - From World War II to End of Soviet Empire
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800
HISTORY 600	Advanced Seminar in History
INTL BUS 200	International Business
RELIG ST/ ENVIR ST 270	The Environment: Religion & Ethics
RELIG ST/ AFRICAN/ ASIAN 370	Islam: Religion and Culture
Total Credits	**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 8 certificate credits must be completed in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Historical and Cultural Grounding) understanding the historical political and cultural forces and conditions that have given rise to the unity and diversity in the region today.
2. (Multi-disciplinarity) analyzing contemporary political, economic, and cultural realities in the region from at least two disciplinary perspectives, ideally including humanities, social sciences and sometimes natural science approaches.
3. (Depth of Knowledge) mastering at the undergraduate generalist level a particular facet of life in the region by taking courses on a particular sub-region or country or by studying a regional language or by taking at least two courses on the region in one discipline.

ADVISING AND CAREERS

ADVISING AND CAREERS

All students interested in this certificate are encouraged to take HISTORY/ ASIAN/GEOG/POLI SCI/SOC 244 Introduction to Southeast Asia: Vietnam to the Philippines.

Southeast Asian language courses (https://guide.wisc.edu/courses/asialang/) are taught in the academic year—Filipino, Hmong, Indonesian, Thai, and Vietnamese. These and Burmese, Khmer, and Lao can be taken at UW–Madison's summer program, the Southeast Asian Studies Summer Institute (https://seassi.wisc.edu/).

Students interested in the certificate in Southeast Asian Studies should contact the program advisor Michael Cullinane, mmcullin@wisc.edu.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

As a regional center within the Institute for Regional and International Studies, we support and enhance international and global awareness in our student communities and inspire informed thinking about the complexities of our world. We encourage our students to connect to international networks and our regional communities through our program's lecture series, film screenings, and varied outreach events and activities. We encourage our students to study abroad, do international internships, learn foreign languages, and expect them to gain an interdisciplinary grounding in global and regional affairs. We provide resources and expertise on our world area to students and prospective students, and more broadly to K-12 teachers and students, postsecondary educators and graduate students,

businesses, the media, the military, the community at large, and anyone else who wants it.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about resources, scholarships, and funding through the Center for Southeast Asian Studies is available on our website (https://seasia.wisc.edu/fellowships-and-financial-aid/). We also encourage our students to explore funding options available through the Institute for Regional and International Studies (IRIS) Awards Office (https://iris.wisc.edu/funding/).

INTEGRATED LIBERAL STUDIES

The mission of Integrated Liberal Studies (https://ils.wisc.edu/) (ILS) is to provide an integrated and interdisciplinary exploration of human inquiry and expression in scientific, literary, political, economic, historical and artistic thought. The Integrated Liberal Studies curriculum offers a set of related courses specially tailored to meet the breadth requirements of the College of Letters & Science. Integrated Liberal Studies draws exemplary, dynamic faculty from departments across campus to create courses that challenge students with a rigorous program of interdisciplinary study emphasizing critical thinking and judgment rather than passive absorption of information. Although these courses may be taken as single electives, the purpose of the program is to counter the fragmentation of undergraduate education by providing a common ground of learning.

Because ILS courses (https://guide.wisc.edu/courses/ils/) are interdisciplinary, students are encouraged to make connections between the various subject areas that comprise the ILS curriculum. Students encounter the relations between literature and the arts; science, technology, and philosophy; and political, economic, and social thought. The content of the curriculum has been developed in the belief that historical perspective is required for a full understanding of contemporary issues.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Health and the Humanities, Certificate (p. 977)
- Integrated Liberal Studies, Certificate (p. 980)

HEALTH AND THE HUMANITIES, CERTIFICATE

The humanities are about the human experience, and this certificate will give you exposure to a range of historical, cultural, and philosophical reasons why people make decisions about their health care. Everyone who comes in contact with the health care system, from health care providers to patients, needs to understand more than just the biological aspects of medicine in order to support health and wellness.

HOW TO GET IN

HOW TO GET IN

CERTIFICATE DECLARATION REQUIREMENTS

- Must be enrolled in an undergraduate degree program at UW-Madison.
- Attend a certificate information session.
- Complete a Core Course with a grade of C or higher.
- Submit an application form and essay. Check our webpage (https://ils.wisc.edu/health-and-humanities-certificate-overview/health-and-humanities-certificate-how-to-get-in/) for details about the next application cycle.
- If selected for the program, work with the certificate advisor to declare the certificate and plan your coursework.
- Students who declare the Health and the Humanities certificate are not eligible to declare the Global Health major or the Global Health certificate.

Core Courses

Code	Title	Credits
ANTHRO 265	Introduction to Culture and Health	3
ART HIST 107	The Body, Sex, & Health in Art	3
ENGL 156	Literature and Medicine	3
HIST SCI 133	Biology and Society, 1950 - Today	3
HIST SCI/ MED HIST 212	Bodies, Diseases, and Healers: An Introduction to the History of Medicine	3
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3-4
MED HIST/ ANTHRO 231	Introduction to Social Medicine	3
RELIG ST 102	Exploring Religion in Sickness and Health	3

REQUIREMENTS

REQUIREMENTS

Complete at least 15 credits from the areas prescribed below.

CORE COURSE

Complete one of the following:

Code	Title	Credits
ANTHRO 265	Introduction to Culture and Health	3
ART HIST 107	The Body, Sex, & Health in Art	3
ENGL 156	Literature and Medicine	3
HIST SCI 133	Biology and Society, 1950 - Today	3
HIST SCI/ MED HIST 212	Bodies, Diseases, and Healers: An Introduction to the History of Medicine	3

HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3-4
MED HIST/ ANTHRO 231	Introduction to Social Medicine	3
RELIG ST 102	Exploring Religion in Sickness and Health	3

HEALTH AND ILLNESS IN SOCIAL CONTEXT

Complete two courses with a specific focus on health and illness in social context:

Code	Title	Credits
AMER IND/ C&E SOC/SOC 578	Poverty and Place	3
ANTHRO 365	Medical Anthropology	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
COM ARTS 317	Rhetoric and Health	3
ENGL/ASIAN AM/ GEN&WS 463	Race and Sexuality in American Literature	3
FRENCH 464	Literature and Medicine in French-Speaking Cultures	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 370	Topics in Gender and Disability	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 533	Special Topics in Gender and Biology	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
HIST SCI 404	A History of Disease	3-4
JOURN/COM ARTS/ LSC 617	Health Communication in the Information Age	3
MED HIST/ PHILOS 505	Justice and Health Care	3
MED HIST/HIST SCI/ HISTORY 508	Health, Disease and Healing II	3-4
MED HIST/ HIST SCI 509	The Development of Public Health in America	3
MED HIST/ PHILOS 515	Public Health Ethics	3
MED HIST/ AFROAMER/ HIST SCI 523	Race, American Medicine and Public Health	3
MED HIST/ GEN&WS/ HIST SCI 531	Women and Health in American History	3
MED HIST/HIST SCI/ RELIG ST 331	Science, Medicine and Religion	3
MED HIST/ GEN&WS/ HIST SCI 532	The History of the (American) Body	3
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
MED HIST/HIST SCI/ HISTORY 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
MED HIST/ C&E SOC/ PHILOS 565	The Ethics of Modern Biotechnology	3
PHILOS/ MED HIST 534	Ethics and the Brain	3
RELIG ST/ JEWISH 340	The American Jewish Life of DNA	3
RELIG ST/ FOLKLORE 352	Shamanism	3
RELIG ST 475	Religion, Global and Public Health	3
RELIG ST/ ASIAN 505	The Perfectible Body in Religions, Medicines, and Politics	3
S&A PHM/ HIST SCI 401	History of Pharmacy	2
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3

CULTURAL COMPETENCY

Complete one course aimed at understanding the social, cultural, and linguistic needs of patients:

Code	Title	Credits
AFRICAN 201	Introduction to African Literature	3
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
AFRICAN 412	Contemporary African Fiction	3
AFROAMER 151	Introduction to Contemporary Afro-American Society	3
AFROAMER 155	They: Race in American Literature	3
AFROAMER/ GEN&WS 222	Introduction to Black Women Writers	3
AFROAMER 225	Introduction to African American Dramatic Literature	3
AFROAMER 227	Masterpieces of African American Literature	3
AMER IND 100	Introduction to American Indian Studies	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/ AFROAMER/ AMER IND/CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3

ASIAN AM 240	Topics in Asian American Studies	3
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
CHICLA 210	Chicana/o and Latina/o Cultural Studies	3
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media	3
COM ARTS 565	Communication and Interethnic Behavior	3
GEN&WS 101	Gender, Women, and Cultural Representation	3
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
RELIG ST 311	Sects and Cults	3
RELIG ST 406	The Amish	3
SOC 125	American Society: How It Really Works	3-4
SOC 134	Sociology of Race & Ethnicity in the United States	3-4
SOC 138	The Sociology of Gender	3-4
SOC/GEN&WS 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4
SOC/C&E SOC/ URB R PL 617	Community Development	3

CAPSTONE

Complete one of the following health-focused service learning course:

Code	Title	Credits
HIST SCI/ENGL/ MED HIST 525	Health and the Humanities	3
NURSING 511	Community Supports for People with Dementia	3
RP & SE 300	Individuals with Disabilities	3
DANCE 231	Introduction to Dance/Movement Therapy	3
DANCE 232	Introduction to Dynamics of Dance Therapy	3

ELECTIVE (IF NEEDED)

Complete additional coursework to reach 15 credits from any of the courses listed above or ENGL/HIST SCI/MED HIST 599 Directed Study in Health and the Humanities

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all Certificate courses
- At least 8 Certificate credits in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify major developments in the history of medicine and the medical profession.
2. Describe how the meaning of "health" has varied over time and space.
3. Comprehend and evaluate complex arguments about politics, values, healthcare, and health in contemporary society.
4. Understand health and illness as grounded in personal experience, develop empathy for others' experiences and use creative means to reflect on those experiences.
5. Develop sensitivity for what health means among differently positioned people (e.g., with respect to race, class, gender, culture, disability, age).

ADVISING AND CAREERS

ADVISING AND CAREERS

The certificate's academic advisor, Laura Bradley, can help you create a meaningful course plan and stay on track as you complete the certificate requirements. We recommend that you connect with Laura as early as possible to consult on a variety of topics including: applying to the certificate, course selection, exploring how certificate courses fit with Breadth and University General Education degree requirements, campus resources, and getting the most from your Wisconsin Experience.

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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INTEGRATED LIBERAL STUDIES, CERTIFICATE

The mission of Integrated Liberal Studies (https://ils.wisc.edu/) (ILS) is to provide an integrated and interdisciplinary exploration of human inquiry and expression in scientific, literary, political, economic, historical and artistic thought. The Integrated Liberal Studies curriculum offers a set of related courses specially tailored to meet the breadth requirements of the College of Letters & Science. Integrated Liberal Studies draws exemplary, dynamic faculty from departments across campus to create courses that challenge students with a rigorous program of interdisciplinary study emphasizing critical thinking and judgment rather than passive absorption of information. Although these courses may be taken as single electives, the purpose of the program is to counter the fragmentation of undergraduate education by providing a common ground of learning.

Because ILS courses (https://guide.wisc.edu/courses/ils/) are interdisciplinary, students are encouraged to make connections between the various subject areas that comprise the ILS curriculum. Students encounter the relations between literature and the arts; science, technology, and philosophy; and political, economic, and social thought. The content of the curriculum has been developed in the belief that historical perspective is required for a full understanding of contemporary issues.

HOW TO GET IN

HOW TO GET IN

CERTIFICATE DECLARATION REQUIREMENTS

Students are eligible to declare the ILS Certificate at any point in their undergraduate career, and there are no prerequisites for declaring. Students should declare as early as possible in order to plan the required coursework. Students are encouraged to meet with the Integrated Liberal Studies academic advisor to discuss certificate requirements and ensure it fits with their academic goals.

Students who are ready to declare the certificate now may do so via the ILS Website (https://ils.wisc.edu/certificateprogram/).

REQUIREMENTS

REQUIREMENTS

The certificate in Integrated Liberal Studies consists of two Core ILS courses, one additional ILS course, another non-ILS course from an approved list, and the ILS Capstone Integration Seminar.

A total of 15 credits are required, of which 6 are in Core ILS courses, 3 in Integrative Breadth, 3 in Integrative Diversity, and 3 in the Capstone Integration Seminar.

CORE ILS COURSES

Code	Title	Credits
Complete any two of the following core ILS courses:		6
ILS 200	Critical Thinking and Expression	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
or HIST SCI 201	The Origins of Scientific Thought	
ILS 202	Western Culture: Science, Technology, Philosophy II	3
or HIST SCI 202	The Making of Modern Science	
ILS 203	Western Culture: Literature and the Arts I	3
ILS 204	Western Culture: Literature and the Arts II	3-4
ILS 205	Western Culture: Political, Economic, and Social Thought I	3
ILS 206	Western Culture: Political, Economic, and Social Thought II	3

INTEGRATIVE BREADTH

Code	Title	Credits
Excluding any ILS courses used towards the required Core ILS courses above, complete one additional ILS course from the following:		3
ILS 110	First-year Topics Seminar in Integrated Liberal Studies	3
ILS/ENVIR ST 126	Principles of Environmental Science	4
ILS 153	Ways of Knowing in the Sciences	4
ILS 200	Critical Thinking and Expression	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
or HIST SCI 201	The Origins of Scientific Thought	
ILS 202	Western Culture: Science, Technology, Philosophy II	3
or HIST SCI 202	The Making of Modern Science	
ILS 203	Western Culture: Literature and the Arts I	3
ILS 204	Western Culture: Literature and the Arts II	3-4
ILS 205	Western Culture: Political, Economic, and Social Thought I	3
ILS 206	Western Culture: Political, Economic, and Social Thought II	3
ILS/RELIG ST 234	Genres of Western Religious Writing	3
ILS 253	Literature and Society	3
ILS 254	Literature and Science	3
ILS/ENVIR ST 255	Introduction to Sustainability Science	4
ILS 275	Special Topics in Integrated Liberal Studies	3
ILS 298	Directed Study	3
ILS 299	Directed Study	3
ILS/ITALIAN 350	Rome: Lust for Glory	3-4
POLI SCI 363	Literature and Politics	3-4

ILS/ITALIAN/ LITTRANS/ POLI SCI 365	Machiavelli and His World	3
ILS/LACIS 367	The Literature of Migration and the Migrant Experience in the Americas	3
ILS 369	Magical Realism and Postmodernity	3
ILS 371	Interdisciplinary Studies in the Arts and Literature	3
ILS 372	Interdisciplinary Studies in the Social Sciences	3
ILS 373	Interdisciplinary Studies in the Humanities	3-4
ILS/JEWISH/ SOC 423	Modern Jewish Thought	3
POLI SCI/ILS 463	Deception and Politics	3-4

INTEGRATIVE DIVERSITY

Code	Title	Credits
Complete any one non-ILS course from the following:		3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	3
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
AFRICAN 402	Theory of African Literature	3-4
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	3
AFRICAN/JEWISH/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	3
AFROAMER 303	Blacks, Film, and Society	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3
AFROAMER/ GEN&WS 333	Black Feminisms	3
AFROAMER 337	The Harlem Renaissance	3
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 322	The Origins of Civilization	3
ANTHRO/ RELIG ST 343	Anthropology of Religion	3-4
ANTHRO 424	Historical Anthropology	3
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	3-4
ART HIST 301	Myths, Loves, and Lives in Greek Vases	3-4
ART HIST 302	Greek Sculpture	3-4
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	3-4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 310	Icons, Religion, and Empire: Early Christian and Byzantine Art, ca. 200-1453	3
ART HIST 318	Romanesque and Gothic Art and Architecture	3-4
ART HIST 320	Italian Renaissance Art	3-4
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	3
ART HIST 350	19th Century Painting in Europe	3-4
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	3-4
ART HIST 355	History of Photography	3
ART HIST 357	History of Wisconsin Architecture, 1800-present	3
ART HIST 360	Gore Luxury Identity Mimesis: Northern Renaissance	3
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present	3-4
ART HIST 365	The Concept of Contemporary Art	3-4
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 405	Cities and Sanctuaries of Ancient Greece	3
ART HIST/ ASIAN 428	Visual Cultures of India	3
ART HIST 440	Art and Power in the Arab World	3
ASIAN/ HISTORY 337	Social and Intellectual History of China, 589 AD-1919	3-4
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM/ ENGL 270	A Survey of Asian American Literature	3
ASTRON/ HIST SCI 206	History of Astronomy and Cosmology	3
CLASSICS/ JEWISH/LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	4
CLASSICS/ ART HIST 300	The Art and Archaeology of Ancient Greece	3-4
CLASSICS/ ART HIST 304	The Art and Archaeology of Ancient Rome	3-4

CLASSICS 308	Sex and Violence in the Ancient Near East	3
CLASSICS 315	Africana Approaches to Biblical Interpretation	3
CLASSICS 321	The Egyptians: History, Society, and Literature	3
CLASSICS/JEWISH/ RELIG ST 335	King David in History and Tradition	3
CLASSICS 340	Conspiracy in the Ancient and Modern Worlds	3
CLASSICS/ GEN&WS 351	Women and Gender in the Classical World	3-4
CLASSICS/ GEN&WS 361	Sex and Power in Greece and Rome	3
CLASSICS/ HISTORY/ POLI SCI 362	Athenian Democracy	3
CLASSICS 420	Ancient Texts, Modern Contexts	3
CLASSICS/ ENVIR ST 488	Greeks, Romans and the Natural Environment	3
CLASSICS/ HISTORY/ RELIG ST 517	Religions of the Ancient Mediterranean	3
COM ARTS 300	Film Comedy	3
COM ARTS 346	Critical Internet Studies	3
COM ARTS/ CHICLA 347	Race, Ethnicity, and Media	3
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	3
COM ARTS 370	Great Speakers and Speeches	3
COM ARTS/ RELIG ST 374	The Rhetoric of Religion	3
COMP LIT 350	Problems in Comparative Literatures and Cultures	3-4
CURRIC 277	Videogames & Learning	3
CURRIC/ CHICLA 306	Latinx Literacies	3
CURRIC/ CHICLA 321	Chicano/Latino Educational Justice	3
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	3
ED POL/ HISTORY 412	History of American Education	3
ED POL/ HISTORY 478	Comparative History of Childhood and Adolescence	3
ED POL 505	Issues in Urban Education in the U.S.	3
ED POL/CURRIC/ RELIG ST 516	Religion and Public Education	3
ED POL/ GEN&WS 560	Gender and Education	3
ED POL 595	Language Politics and Education	3
ED POL/ HISTORY 612	History of Student Activism from the Popular Front to Black Lives Matter	3
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK	3
ENGL 214	The English Language	3
ENGL 220	Shakespearean Drama	3
ENGL 224	Introduction to Poetry	3
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
ENGL 243	American Literary Cultures	3
ENGL/ GEN&WS 248	Women in Ethnic American Literature	3
ENGL 328	The Sixteenth Century	3
ENGL 334	Eighteenth Century Literature and Culture	3
ENGL 336	Eighteenth-Century Novel	3
ENGL 345	Nineteenth-Century Novel	3
ENGL 352	Modernist Poetry	3
ENGL 353	British Literature since 1900	3
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	3
ENGL 361	Modern and Contemporary American Literature	3
ENGL/CHICLA 368	Chicana/o and Latina/o Literatures	3
ENGL 373	Contemporary Poetry	3
ENGL 374	African and African Diaspora Literature and Culture	3
ENGL 375	Literatures of Migration and Diaspora	3
ENGL/ MEDIEVAL 427	Chaucer's Canterbury Tales	3
ENGL 431	Early Works of Shakespeare	3
ENGL 432	Later Works of Shakespeare	3
ENGL 433	Spenser	3
ENGL/ RELIG ST 434	Milton	3
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST/ HISTORY 328	Environmental History of Europe	3
FOLKLORE/ AFROAMER/ ASIAN AM/ DANCE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3
GEN&WS/ ENGL 248	Women in Ethnic American Literature	3
GEN&WS/CHICLA/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism	3
GEN&WS/ AFROAMER 326	Race and Gender in Post-World War II U.S. Society	3
GEOG 301	Revolutions and Social Change	3
GEOG 318	Introduction to Geopolitics	3

GEOG 342	Geography of Wisconsin	3
GEOG/AMER IND/ ENVIR ST 345	Caring for Nature in Native North America	3
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG 501	Space and Place: A Geography of Experience	3
GEOG 518	Power, Place, Identity	3
GEOG 566	History of Geographic Thought	3
GERMAN 275	Kafka and the Kafkaesque	3
GNS 375	Philosophy, Theory, Criticism	3
HIST SCI 222	Technology and Social Change in History	3
HIST SCI/ HISTORY 323	The Scientific Revolution: From Copernicus to Newton	3
HIST SCI 343	The Darwinian Revolution	3
HIST SCI 404	A History of Disease	3-4
HIST SCI/MED HIST/ POP HLTH 553	International Health and Global Society	3
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities)	3
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	3-4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 306	The United States Since 1945	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 329	History of American Capitalism	4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY 340	Cultural History of Korea	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe	3-4
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics	3
HISTORY 417	History of Russia	3-4
HISTORY 418	History of Russia	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
HISTORY/ ENVIR ST 465	Global Environmental History	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
HISTORY/ GEN&WS 519	Sexuality, Modernity and Social Change	3
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3
LEGAL ST/ HISTORY 261	American Legal History to 1860	3-4
LEGAL ST/ HISTORY 262	American Legal History, 1860 to the Present	3-4
LEGAL ST/ GEN&WS/SOC 425	Crime, Gender and Justice	3
LEGAL ST/CHICLA/ SOC 440	Ethnicity, Race, and Justice	3-4
LEGAL ST/ HISTORY 459	Rule of Law: Philosophical and Historical Models	3-4
LEGAL ST/ HISTORY 510	Legal Pluralism	3
LITTRANS 220	Chekhov: The Drama of Modern Life	3
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	3
LITTRANS 222	Dostoevsky in Translation	3-4
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	3

LITTRANS 224	Tolstoy in Translation	3-4
LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	3
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance	3
LITTRANS/ MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron	3
LITTRANS/ GERMAN 280	From Grimm to Gryffindor: German Fairytales (Re)imagined	3
LITTRANS 302	What is Life? Biological Life in Literature and Culture	3-4
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	3-4
PHILOS 241	Introductory Ethics	3-4
PHILOS 320	Philosophy of Science	3-4
PHILOS 341	Contemporary Moral Issues	3-4
PHILOS 430	History of Ancient Philosophy	3-4
PHILOS 432	History of Modern Philosophy	3-4
PHILOS 516	Language and Meaning	3
PHILOS 520	Philosophy of the Natural Sciences	3
PHILOS/ ENVIR ST 523	Philosophical Problems of the Biological Sciences	3
PHILOS 530	Freedom Fate and Choice	3
PHILOS 541	Modern Ethical Theories	3
PHILOS 549	Great Moral Philosophers	3
PHILOS 551	Philosophy of Mind	3
PHILOS 555	Political Philosophy	3
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 360	History of American Political Thought	3-4
POLI SCI 361	Contemporary American Political Thought	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI/ RELIG ST 433	Religion and Politics	3-4
POLI SCI/ AFROAMER 519	African American Political Theory	3-4
RELIG ST 302	Christianity: Interpretation and Practice	3
RELIG ST/ GEN&WS 305	Women, Gender and Religion	3
RELIG ST 311	Sects and Cults	3
RELIG ST/ CLASSICS/ JEWISH 323	The Bible and Film: Literature and Media	3
RELIG ST 333	Early Christian Literature: Matthew-Revelation	3
SOC/C&E SOC 475	Classical Sociological Theory	3

CAPSTONE INTEGRATION SEMINAR

Code	Title	Credits
Complete the ILS Capstone Integration Seminar:		3
ILS 400	Capstone Integration Seminar	3

RESIDENCE & QUALITY OF WORK

- 2.000 GPA with all courses taken on graded basis
- 8 credits in the certificate, in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and explain how people make meaning across times, cultures, media, and disciplines.
2. Critically analyze diverse approaches to how people make meaning in the past and present.
3. Recognize and synthesize diverse types of knowledge and disciplinary approaches to how people make meaning.
4. Formulate new questions about and integrate new approaches to how people make meaning.

ADVISING AND CAREERS

ADVISING AND CAREERS

The certificate's academic advisor, Laura Bradley, can help you create a meaningful course plan and stay on track as you complete the certificate requirements. We recommend that you connect with Laura as early as possible to consult on a variety of topics including: declaring the certificate, course selection, exploring how certificate courses fit with Breadth and University General Education degree requirements, campus resources, and getting the most from your Wisconsin Experience.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)

- Try “Jobs, Internships, & How to Get Them,” (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

"A SMALL LIBERAL ARTS EXPERIENCE WITHIN A GREAT UNIVERSITY"

ILS is not only a certificate, but a community on campus.

“The University of Wisconsin needs programs like ILS to give students the indispensable liberal arts experience and I am happy that it was part of my experience here on campus." Brett Tietz (ILS graduate)

""I love ILS because it allows me to take classes that allow me to use both sides of my brain. I love that I can take classes that are more science-y in addition to critical thinking and analytical writing. The diverse perspectives I've encountered in my courses have made being a certificate student all the more enjoyable. I know the work I've done with this program will stay with me in the years to come." Sally Conroy (ILS Graduate)

“I love that the history and literature I learn in my ILS courses makes me a better conversationalist.” Paul Sutherland (ILS graduate)

“I love ILS because there is so much to learn. Through ILS I was able to trace the history of science from natural philosophy all the way up to Newtonian physics, and the impact of science on the contemporary art & literature. I really enjoyed being able to study the humanities, and the insights these classes have provided me on the interaction between science and culture. The program was a great way for me to study things that I am interested in, but are unrelated to my major, such as astronomy, geology, philosophy, literature, art history, geopolitics.” Brad Glasco (ILS graduate)

“The main goal of ILS is to get its students to recognize how different subjects of knowledge connect with one another. Our student-led class in our ILS capstone attempted to accomplish this goal through the topic of tattoos. By reading articles and books on tattoos, witnessing a classmate receive a tattoo, interviewing veteran tattoo artists in the field, debating case studies, and discussing stigmas and stereotypes of tattoos, we wove together knowledge from history, psychology, sociology, criminology, philosophy, and art. My views about tattoos, and people who choose to get them, will be forever better informed. I will always remember my classmates and this capstone!” Ryan Fleming (ILS graduate)

“Virtually every ILS class threatens to fundamentally change the way you see the world." Eric Schmidt, Political Science major

“Some of the best professors on campus teach ILS classes, and they love the program as much as the students! How many other programs offer Aristophanes, Nietzsche and Jon Stewart in the same class?” Jeff Landow, English major

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Integrated Liberal Studies scholarships (https://ils.wisc.edu/scholarship-information/)

MEIKLEJOHN TRAVEL AWARD

Up to $1500

Named for Alexander Meiklejohn, founder of the University of Wisconsin Experimental College (1927–32), the forerunner to the ILS program, this prize is intended to help support an ILS student in a university-sponsored or an independent program of education-centered travel or study abroad, taking place during the summer or academic year (or in the United States if the destination is remote from the student’s home or the campus).

POOLEY PRIZE

Up to $2,000 each (based on available funds)

Named for Professor Robert Pooley, the first chair of the Integrated Liberal Studies program (1948), this prize is given annually to outstanding ILS students on the basis of:

- academic achievement (GPA of 3.000 or higher for the three preceding semesters),
- evidence of good character,
- student leadership in the ILS program, including involvement in extracurricular activities, and
- available for travel purposes relating to their ILS courses.

RUTH KNATZ MEMORIAL PRIZE

Up to $5,000 (based on available funds)

Named for Ruth Knatz Gross Wisnewsky and given by her husband, Edward Wisnewsky, this prize will be given only to a truly outstanding student who:

- is majoring in at least one humanities discipline (including history and history of science, but not social science or science); this means you may be double-majoring in one non-humanities major, but the other must be a humanities major,
- gives promise of making a valuable contribution to the humanities,
- has done exemplary work in their ILS courses,
- has achieved junior or senior standing, and
- has declared, and plans to complete, the ILS certificate.

INTEGRATIVE BIOLOGY

The Department of Integrative Biology is committed to providing the best training and education in the field of biology for UW-Madison undergraduate and graduate students.

With over 40 faculty and affiliated faculty members from several departments across campus, research and education in the Department of Integrative Biology spans all levels of biological organization (from the molecular level to ecosystems), and addresses a wide array of basic and applied research questions.

The Department of Integrative Biology is home to the Biology (L&S), Molecular and Cell Biology, Neurobiology, and Zoology undergraduate

majors. Nearly 2,500 students enroll in our introductory biology courses (BIOLOGY/ZOOLOGY 101 Animal Biology and ZOOLOGY/BIOLOGY 102 Animal Biology Laboratory; BOTANY/BIOLOGY/ZOOLOGY 151 Introductory Biology and ZOOLOGY 153 Introductory Biology and ZOOLOGY/BIOLOGY/BOTANY 152 Introductory Biology). Another 1,000 students enroll in a variety of courses in the field of biology.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Biology, BA (L&S) (p. 986)
- Biology, BS (L&S) (p. 1000)
- Freshwater and Marine Sciences, Certificate (p. 1014)
- Molecular and Cell Biology, BA (p. 1016)
- Molecular and Cell Biology, BS (p. 1021)
- Neurobiology, BA (p. 1027)
- Neurobiology, BS (p. 1033)
- Zoology, BA (p. 1040)
- Zoology, BS (p. 1045)

BIOLOGY, BA (L&S)

The Biology major is designed for students with broad interests in the biological sciences. It is intended primarily to:

- prepare undergraduates for graduate studies in diverse areas of biology;
- prepare certain preprofessional students (e.g., medicine, veterinary medicine, dentistry) for advanced study in the health professions;
- provide a broad exposure to biology for students who want a general science education as biologists; and
- serve as initial preparation for students who later choose a more specialized major.

The major is offered by the College of Letters & Science and the College of Agricultural and Life Sciences (p. 89).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students who intend to major in Biology in either the College of Letters and Science (L&S) or the College of Agricultural and Life Sciences (CALS) may not combine this major ("double major") with the Molecular and Cell Biology Major or the Neurobiology Major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete a minimum of 31 credits of Biological Science courses within the Introductory Biology, Foundation Course, Upper-Level Breadth in the Major, and Additional Lab or Field Research requirements. Unless specifically stated otherwise, courses may not be used to meet multiple requirements of the major.

In addition to the standard Biology major, there is a Named Option in Evolutionary Biology. Students may complete only one Biology major/named option and must declare the named option they are pursuing.

CORE REQUIREMENTS

Mathematics and Statistics

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211	Survey of Calculus 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

Chemistry

Code	Title	Credits
General Chemistry (Complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Total Credits		**13-18**

Physics

Code	Title	Credits
First Semester Physics (complete one of the following):		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
Second Semester Physics (complete one of the following):		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Total Credits		**8-10**

Introductory Biology

Code	Title	Credits
Select one of the following options:		10-13
Option A:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option B:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
Option C:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	

ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	
Total Credits		**10-13**

Foundation Course (complete one of the following):

Students may use BIOCORE 381 and BIOCORE 383 toward ***both*** Introductory Biology ***and*** Foundation.

Code	Title	Credits
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6
GENETICS 466	Principles of Genetics	3
GENETICS 468	General Genetics 2	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3

UPPER-LEVEL BREADTH IN THE MAJOR

Minimum of 13 credits required and must include **one approved lab course.** Approved lab courses are indicated by footnote. A course taken to meet the Foundation requirement may not also count as Upper-Level Breadth in the Major.

- Complete at least two credits from either category A or B.
- Complete at least two credits from either category C or D.
- Complete at least two credits from an unused category (A, B, C, D or E).

A. Cellular and Subcellular Biology

Code	Title	Credits
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI 366	Concepts in Genomics	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
DERM 601	Skin Biology and Skin Diseases	3
DERM 602	Advances in Skin Biology and Skin Diseases	2
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 588	Immunogenetics	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3
H ONCOL/ MED PHYS 410	Radiobiology	2-3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
NEURODPT/ NTP 610	Cellular and Molecular Neuroscience	4
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes [1]	3
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology [1]	2
ZOOLOGY 370	General Molecular Biology	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 555	Laboratory in Developmental Biology [1]	3

ZOOLOGY 570	Cell Biology	3
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab [1]	2
ZOOLOGY 655	Modeling Neurodevelopmental Disease	3

B. Organismal Biology

Code	Title	Credits
AN SCI/DY SCI 373	Animal Physiology	3
AN SCI 377	Integrative Animal Physiology Laboratory [1]	1
AN SCI/DY SCI 434	Reproductive Physiology [1]	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin [1]	3
ANAT&PHY 335	Physiology [1]	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory [1]	2
ANAT&PHY 435	Fundamentals of Human Physiology [1]	5
ANTHRO/PSYCH/ ZOOLOGY 619	Biology of Mind	3
BIOCORE 486	Principles of Physiology Laboratory [1]	2
BOTANY 300	Plant Anatomy [1]	4
BOTANY 330	Algae [1]	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 500	Plant Physiology [1]	3-4
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
DY SCI 378	Lactation Physiology [1]	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology [1]	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
F&W ECOL 401	Physiological Animal Ecology	3
GENETICS 545	Genetics Laboratory [1]	2
GENETICS/ MD GENET 565	Human Genetics	3
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	3
KINES 314	Physiology of Exercise [1]	4
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory [1]	2
MICROBIO 526	Physiology of Microorganisms	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 431	Nutrition in the Life Span	3
NUTR SCI 631	Clinical Nutrition I	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH 404	Pathophysiologic Principles of Human Diseases	3
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
ZOOLOGY 303	Aquatic Invertebrate Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates [1]	5
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ZOOLOGY 620	Neuroethology Seminar	2

C. Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AN SCI 420	Microbiomes of Animal Systems	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1

MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
PL PATH 300	Introduction to Plant Pathology [1]	4
PL PATH 315	Plant Microbiomes [1]	4
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY 320	Field Marine Biology [1]	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2

D. Evolution and Systematics

Code	Title	Credits
ANTHRO 302	Hominoid Evolution	3
ANTHRO 304	Heredity, Environment and Human Populations	3
ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
ANTHRO 411	The Evolution of the Genus, Homo	3
ANTHRO 458	Primate Behavioral Ecology	3
ANTHRO 603	Seminar in Evolutionary Theory	3
BIOLOGY/ GENETICS 522	Communicating Evolutionary Biology	2-3
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 400	Plant Systematics [1]	4
BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY 422	Plant Geography	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects [1]	4
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
GENETICS 468	General Genetics 2	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe [1]	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PSYCH 449	Animal Behavior	3
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab [1]	2
ZOOLOGY 415	Genetics of Human History	3
ZOOLOGY 425	Behavioral Ecology	3

E. Applied Biology, Agriculture and Natural Resources

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
BIOCORE 587	Biological Interactions	3
BOTANY 403	Field Collections and Identification	1-4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases (4th credit meets lab requirement) [1]	3-4
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation [1]	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology [1]	4
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 458	Environmental Data Science	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 561	Wildlife Management Techniques [1]	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory [1]	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 548	The Genomic Revolution	3
M&ENVTOX/ ONCOLOGY/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
MED PHYS/ PHYSICS 265	Introduction to Medical Physics	2
MED PHYS 651	Methods for Neuroimaging Research	3

MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
NUTR SCI 332	Human Nutritional Needs	3
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PL PATH 517	Plant Disease Resistance	2-3
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

ADDITIONAL LAB OR FIELD RESEARCH

In addition to the Lab requirement, complete one of the following requirements:

- Complete one *additional* lab course and at least two credits from categories A–E in the Upper-Level Breadth in the Major course lists, ***or***
- Complete at least two credits of directed study in a biological science discipline, or
- Complete a two-semester thesis in biological science.[2]

Approved Directed Study Courses

To have Directed Study count for the Additional Lab/Field Research requirement, students must first complete an Introductory Biology sequence.

Code	Title	Credits
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
AN SCI 699	Special Problems	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
BOTANY 699	Directed Study	
BMOLCHEM 699	Special Research Problems	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
DY SCI 699	Special Problems	
ENTOM 699	Special Problems	
FAM MED 699	Directed Study	
FOOD SCI 699	Special Problems	
F&W ECOL 699	Special Problems	
GENETICS 699	Special Problems	
H ONCOL 699	Independent Study in Human Cancer Biology	
M&ENVTOX 699	Special Problems	
MEDICINE 699	Independent Study	
MED SC-V 699	Directed Study	
MICROBIO 699	Special Problems	
M M & I 699	Directed Study	
MOL BIOL 699	Directed Studies in Molecular Biology	
NEURODPT 699	Directed Study	
NEUROL 699	Directed Research in Neurology	
NEURSURG 699	Neurosurgery: Directed in Study in Research	
NURSING 699	Directed Study in Nursing	
NUTR SCI 699	Special Problems	
OBS&GYN 699	Directed Study	
ONCOLOGY 699	Special Research Problems	
OPHTHALM 699	Directed Study	
PATH 699	Independent Study	
PATH-BIO 699	Directed Study	
PEDIAT 699	Independent Study	
PHM SCI 699	Advanced Independent Study	
PHMCOL-M 699	Independent Study	
PHYSIOL 699	Independent Work	
PL PATH 699	Special Problems	
PLANTSCI 699	Special Problems	
RHAB MED 699	Independent Study	
SOIL SCI 699	Special Problems	
SURG SCI 699	Directed Study	
SURGERY 699	Independent Study	

Approved Thesis Sequences

Code	Title	Credits
AN SCI 681 & AN SCI 682	Senior Honor Thesis and Senior Honors Thesis	
AN SCI 691 & AN SCI 692	Thesis and Thesis	
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOCHEM 691 & BIOCHEM 692	Senior Thesis and Senior Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 691 & BIOLOGY 692	Senior Thesis and Senior Thesis	
BOTANY 681 & BOTANY 682	Senior Honors Thesis and Senior Honors Thesis	
BOTANY 691 & BOTANY 692	Senior Thesis and Senior Thesis	
DY SCI 681 & DY SCI 682	Senior Honors Thesis and Senior Honors Thesis	

ENTOM 681 & ENTOM 682	Senior Honors Thesis and Senior Honors Thesis
FOOD SCI 681 & FOOD SCI 682	Senior Honors Thesis and Senior Honors Thesis
F&W ECOL 681 & F&W ECOL 682	Senior Honors Thesis and Senior Honors Thesis
F&W ECOL 691 & F&W ECOL 692	Senior Thesis and Senior Thesis
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2
H ONCOL 691 & H ONCOL 692	Senior Thesis in Human Oncology 1 and Senior Thesis in Human Oncology 2
M M & I 691 & M M & I 692	First Semester Senior Thesis and Second Semester Senior Thesis
MICROBIO 681 & MICROBIO 682	Senior Honors Thesis and Senior Honors Thesis
MICROBIO 691 & MICROBIO 692	Senior Thesis and Senior Thesis
MOL BIOL 681 & MOL BIOL 682	Senior Honors Thesis and Senior Honors Thesis
MOL BIOL 691 & MOL BIOL 692	Senior Thesis and Senior Thesis
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis
NUTR SCI 691 & NUTR SCI 692	Senior Thesis-Nutrition and Senior Thesis
PATH-BIO 681 & PATH-BIO 682	Senior Honors Thesis I and Senior Honors Thesis II
PL PATH 681 & PL PATH 682	Senior Honors Thesis and Senior Honors Thesis
PLANTSCI 681 & PLANTSCI 682	Senior Honors Thesis and Senior Honors Thesis
SOIL SCI 681 & SOIL SCI 682	Senior Honors Thesis and Senior Honors Thesis
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis

BIOLOGY NAMED OPTION

Instead of completing the requirements above, students may choose to select the named option below.

View as listView as grid

- **BIOLOGY: EVOLUTIONARY BIOLOGY (P. 1008)**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all BIOLOGY and major courses
- 2.000 GPA on at least 15 credits of Upper-Level work in the major, in Residence[2]
- 15 credits in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Biology major with permission of the major advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in the major
- Complete 13 credits from Foundation and Upper-Level Breadth in the Major requirements, taken for Honors
- Complete an approved two-semester Senior Honors Thesis for a total of 6 credits

FOOTNOTES

1 Course also approved for lab credit

2 Foundation and Upper-Level Breadth in the Major are considered Upper-Level for purposes of this requirement.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Know and understand core concepts that unify the breadth of biological sciences including: evolution; structure and function; information flow, exchange, and storage; pathways for transformations of energy and matter; and systems.
2. Demonstrate practical skills of a professional biologist including: problem#solving by engaging the process of science; written and verbal proficiency; laboratory skills; quantitative analysis skills; and teamwork skills.
3. Graduates will be able to engage and make broader connections to other scientific disciplines and society.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Four-year Plans for the Biology major are designed to support biological science major exploration and planning your academic career. Your specific program of study could, and probably will, look different. You should customize the Four-Year Plan to fit your unique interests at UW–Madison. Consult with your advisor about the best plan for you.

SAMPLE BIOLOGY MAJOR FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
MATH 221[1]	5	STAT 371[1]	3
Communication A	3	Literature Breadth	3
Social Science Breadth	3	Ethnic Studies/Social Science Breadth	4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151[2]	5	BIOLOGY/BOTANY/ ZOOLOGY 152[2]	5
CHEM 343	3	CHEM 344	2
Literature Breadth	3	CHEM 345	3
Social Science Breadth	3	Humanities Breadth	3
INTER-LS 210	1	Elective	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
Foundation Course for Major	3	Upper-Level Breadth in the Major	4
PHYSICS 103	4	PHYSICS 104	4
Social Science Breadth	3	Humanities Breadth	3
Electives	5	Electives	4
Declare the Major			
	15		**15**

Senior

Fall	Credits	Spring	Credits
Upper-Level Breadth in the Major	3	Upper-Level Breadth in the Major	6
Upper-Level Breadth in the Major Lab or Field Research	3	Additional Lab or Field Research	2
Electives	9	Electives	7
	15		**15**

Total Credits 120

1 Follow the guidance of Math placement scores when choosing a Mathematics and/or Statistics course.

2 Students may complete one of three Introductory Biology sequences. See the Requirements tab for more information.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Biology Major website (https://biologymajor.wisc.edu/advising/).

ADVISING

Your advisor is here to guide you through the Biology major. We can address your questions and concerns, provide advice, help you create a four-year degree plan that meets your major and professional goals, and connect you to resources. It is important to remember that advising is about the process, and some questions do not have a quick and easy answer. Your advisor will challenge you to self-reflect, to critically think about your goals and strategies, and to develop decision-making skills. For more information about what to expect during your advising appointment, visit UW Undergraduate Advising (https://advising.wisc.edu/advising-101/).

In the Biology major, students are assigned to an advisor according to last name. Please visit us here (http://biologymajor.wisc.edu/advising/) to schedule an advising appointment.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience,

and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in biology, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- Many Study Abroad programs offer a plethora of excellent upper-level bioscience courses. Students often complete courses abroad that meet upper-level breadth in the major requirements (categories A to E) while others use this opportunity to focus on nonscience coursework and explore other topics that interest them. Review the Biology Major advising page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/biology/) on the Study Abroad website to explore international academic programs.
- Students are encouraged to get involved in research in any life-science department. Research can be performed for either course credit or pay, depending on the opportunity. Research opportunities can be identified by inquiring directly (https://wiscience.wisc.edu/resources/undergrad-resources/) with faculty members, reading the *Biology Major Newsletter*, or announcement on the Student Job Center (https://studentjobs.wisc.edu/).

BIOLOGY: EVOLUTIONARY BIOLOGY

The Evolutionary Biology Named Option allows Biology majors to concentrate their studies in evolution and to have this reflected on their transcript. Since there is no evolutionary biology major available at UW–Madison, this is the only mechanism to indicate specialization in this rapidly growing and popular field. In taking this named option, students will be able to fulfill their intermediate/advanced biology requirement with courses that emphasize evolutionary biology, ranging from required courses in fundamental evolutionary biology to more advanced optional courses that cover a wide range of evolutionary biology topics. They will also take a seminar course in evolutionary biology.

Who should enroll in this option? Students with broad interest in the biological sciences who want to:

- prepare for graduate study in evolutionary biology or related fields;
- prepare for professional studies (e.g. medical school, veterinary school, dentistry); and
- concentrate their biological studies in evolutionary biology.

REQUIREMENTS

REQUIREMENTS FOR THE NAMED OPTION

Students must complete a minimum of 31 credits of Biological Science courses within the Introductory Biology, Foundation Course, Upper-Level Breadth in the Major, Additional Lab or Field Research, and Evolutionary Biology Seminar requirements. Unless specifically stated otherwise, courses may not be used to meet multiple requirements of the major.

CORE REQUIREMENTS

Mathematics and Statistics

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211	Survey of Calculus 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

Chemistry

Code	Title	Credits
General Chemistry (Complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Total Credits		**13-18**

Physics

Code	Title	Credits
First Semester Physics (complete one of the following):		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	

Second Semester Physics (complete one of the following):		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Total Credits		**8-10**

Introductory Biology

Code	Title	Credits
Complete one sequence:		10-13
Option A:		10
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option B:		13
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
Option C:		10
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	

Foundation Course (complete one of the following):

Students may use BIOCORE 381 and BIOCORE 383 toward both Introductory Biology and Foundation.

Code	Title	Credits
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6
GENETICS 466	Principles of Genetics	3
GENETICS 468	General Genetics 2	3

UPPER-LEVEL BREADTH IN THE MAJOR

Minimum of 13 credits required as follows and must include **one approved lab course.** (Approved lab courses are indicated by footnote). A course taken to meet the Foundation requirement may not also count as Upper-Level Breadth in the Major.

- Complete the Evolutionary Biology course
- Complete at least two credits from either category A or B.
- Complete at least two credits from category C.
- Complete at least two credits from category D.
- Additional courses needed to reach 13 credits Upper-Level Breadth in the Major may be taken from any category (A, B, C, D, E).

Required Evolutionary Biology Course

Code	Title	Credits
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	3

A. Cellular and Subcellular Biology

Code	Title	Credits
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI 366	Concepts in Genomics	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
DERM 601	Skin Biology and Skin Diseases	3
DERM 602	Advances in Skin Biology and Skin Diseases	2
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 588	Immunogenetics	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3

H ONCOL/ MED PHYS 410	Radiobiology	2-3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes [1]	3
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology [1]	2
PLANTSCI 340	Plant Genome Engineering and Editing	3
ZOOLOGY 370	General Molecular Biology	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 555	Laboratory in Developmental Biology [1]	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab [1]	2
ZOOLOGY 655	Modeling Neurodevelopmental Disease	3

B. Organismal Biology

Code	Title	Credits
AN SCI/DY SCI 373	Animal Physiology	3
AN SCI 377	Integrative Animal Physiology Laboratory [1]	1
AN SCI/DY SCI 434	Reproductive Physiology [1]	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin [1]	3
ANAT&PHY 335	Physiology [1]	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory	2
ANAT&PHY 435	Fundamentals of Human Physiology [1]	5
ANTHRO/PSYCH/ ZOOLOGY 619	Biology of Mind	3
BIOCORE 486	Principles of Physiology Laboratory [1]	2
BOTANY 300	Plant Anatomy [1]	4
BOTANY 330	Algae [1]	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 500	Plant Physiology [1]	3-4
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
DY SCI 378	Lactation Physiology [1]	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology [1]	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
F&W ECOL 401	Physiological Animal Ecology	3
GENETICS 545	Genetics Laboratory [1]	2
GENETICS/ MD GENET 565	Human Genetics	3
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	3
KINES 314	Physiology of Exercise [1]	4
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory [1]	2
MICROBIO 526	Physiology of Microorganisms	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 431	Nutrition in the Life Span	3
NUTR SCI 631	Clinical Nutrition I	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH 404	Pathophysiologic Principles of Human Diseases	3
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
ZOOLOGY 303	Aquatic Invertebrate Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates [1]	5
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ZOOLOGY 620	Neuroethology Seminar	2

C. Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AN SCI 420	Microbiomes of Animal Systems	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab [1]	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
PL PATH 300	Introduction to Plant Pathology [1]	4
PL PATH 315	Plant Microbiomes [1]	4
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY 320	Field Marine Biology [1]	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2

D. Evolution and Systematics

Code	Title	Credits
ANTHRO 302	Hominoid Evolution	3
ANTHRO 304	Heredity, Environment and Human Populations	3
ANTHRO 411	The Evolution of the Genus, Homo	3
ANTHRO 458	Primate Behavioral Ecology	3
ANTHRO 603	Seminar in Evolutionary Theory	3
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 400	Plant Systematics [1]	4
BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY 422	Plant Geography	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects [1]	4
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
GENETICS 468	General Genetics 2	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe [1]	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PSYCH 449	Animal Behavior	3-4
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab [1]	2
ZOOLOGY 415	Genetics of Human History	3
ZOOLOGY 425	Behavioral Ecology	3

E. Applied Biology, Agriculture and Natural Resources

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
BIOCORE 587	Biological Interactions	3
BOTANY 403	Field Collections and Identification	1-4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases (4th credit meets lab requirement) [1]	3-4

ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation [1]	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology [1]	4
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 458	Environmental Data Science	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 561	Wildlife Management Techniques [1]	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory [1]	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 548	The Genomic Revolution	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MED PHYS/ PHYSICS 265	Introduction to Medical Physics	2
MED PHYS 651	Methods for Neuroimaging Research	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
NUTR SCI 332	Human Nutritional Needs	3
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	Toxicology I	3
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PL PATH 517	Plant Disease Resistance	2-3
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

ADDITIONAL LAB OR FIELD RESEARCH

In addition to the Lab requirement, complete one of the following requirements:

- Complete one *additional* lab course from categories A–E in the Upper-Level Breadth in the Major course lists, ***or***
- Complete at least 2 credits of directed study in a biological science discipline, or
- Complete a two-semester thesis in biological science.

Approved Directed Study Courses

To have Directed Study count for the Additional Lab/Field Research requirement students must first complete an Introductory Biology sequence.

Code	Title	Credits
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
AN SCI 699	Special Problems	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
BOTANY 699	Directed Study	
BMOLCHEM 699	Special Research Problems	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
DY SCI 699	Special Problems	
ENTOM 699	Special Problems	
FAM MED 699	Directed Study	
FOOD SCI 699	Special Problems	
F&W ECOL 699	Special Problems	
GENETICS 699	Special Problems	
M&ENVTOX 699	Special Problems	
MEDICINE 699	Independent Study	
MED SC-V 699	Directed Study	
MICROBIO 699	Special Problems	
M M & I 699	Directed Study	
MOL BIOL 699	Directed Studies in Molecular Biology	
NEURODPT 699	Directed Study	
NEUROL 699	Directed Research in Neurology	
NEURSURG 699	Neurosurgery: Directed in Study in Research	
NURSING 699	Directed Study in Nursing	
NUTR SCI 699	Special Problems	
OBS&GYN 699	Directed Study	
ONCOLOGY 699	Special Research Problems	
OPHTHALM 699	Directed Study	
PATH 699	Independent Study	
PATH-BIO 699	Directed Study	
PEDIAT 699	Independent Study	
PHM SCI 699	Advanced Independent Study	
PHMCOL-M 699	Independent Study	
PHYSIOL 699	Independent Work	
PL PATH 699	Special Problems	
PLANTSCI 699	Special Problems	

RHAB MED 699	Independent Study
SOIL SCI 699	Special Problems
SURG SCI 699	Directed Study
SURGERY 699	Independent Study

Approved Thesis Sequences

Code	Title	Credits
AN SCI 681 & AN SCI 682	Senior Honor Thesis and Senior Honors Thesis	
AN SCI 691 & AN SCI 692	Thesis and Thesis	
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOCHEM 691 & BIOCHEM 692	Senior Thesis and Senior Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 691 & BIOLOGY 692	Senior Thesis and Senior Thesis	
BOTANY 681 & BOTANY 682	Senior Honors Thesis and Senior Honors Thesis	
BOTANY 691 & BOTANY 692	Senior Thesis and Senior Thesis	
DY SCI 681 & DY SCI 682	Senior Honors Thesis and Senior Honors Thesis	
ENTOM 681 & ENTOM 682	Senior Honors Thesis and Senior Honors Thesis	
FOOD SCI 681 & FOOD SCI 682	Senior Honors Thesis and Senior Honors Thesis	
F&W ECOL 681 & F&W ECOL 682	Senior Honors Thesis and Senior Honors Thesis	
F&W ECOL 691 & F&W ECOL 692	Senior Thesis and Senior Thesis	
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis	
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2	
H ONCOL 691 & H ONCOL 692	Senior Thesis in Human Oncology 1 and Senior Thesis in Human Oncology 2	
M M & I 691 & M M & I 692	First Semester Senior Thesis and Second Semester Senior Thesis	
MICROBIO 681 & MICROBIO 682	Senior Honors Thesis and Senior Honors Thesis	
MICROBIO 691 & MICROBIO 692	Senior Thesis and Senior Thesis	
MOL BIOL 681 & MOL BIOL 682	Senior Honors Thesis and Senior Honors Thesis	
MOL BIOL 691 & MOL BIOL 692	Senior Thesis and Senior Thesis	
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis	
NUTR SCI 691 & NUTR SCI 692	Senior Thesis-Nutrition and Senior Thesis	
PATH-BIO 681 & PATH-BIO 682	Senior Honors Thesis I and Senior Honors Thesis II	
PL PATH 681 & PL PATH 682	Senior Honors Thesis and Senior Honors Thesis	
PLANTSCI 681 & PLANTSCI 682	Senior Honors Thesis and Senior Honors Thesis	
SOIL SCI 681 & SOIL SCI 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis	

EVOLUTIONARY BIOLOGY SEMINAR

Code	Title	Credits
BIOLOGY/ GENETICS 522	Communicating Evolutionary Biology	2-3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all BIOLOGY and major courses
- 2.000 GPA on at least 15 credits of Upper-Level work in the major, in Residence [2]
- 15 credits in the major, taken on the UW–Madison campus

FOOTNOTES

[1] Course also approved for lab credit

[2] Foundation and Upper-Level Breadth in the Major courses are considered Upper-Level for purposes of this requirement.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Four-year Plans for the Biology major are designed to support biological science major exploration and planning your academic career. Your specific program of study could, and probably will, look different. You should customize the Four-Year Plan to fit your unique interests at UW–Madison. Consult with your advisor about the best plan for you.

SAMPLE EVOLUTIONARY BIOLOGY OPTION FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
MATH 221[1]	5	STAT 371 or 301[1]	3
Communication A	3	Literature Breadth	3
Social Science Breadth	3	Ethnic Studies/Social Science Breadth	3
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151[2]	5	BIOLOGY/BOTANY/ ZOOLOGY 152[2]	5
CHEM 343	3	CHEM 344	2
Literature Breadth	3	CHEM 345	3
Social Science Breadth	3	Humanities Breadth	3
INTER-LS 210	1	Elective	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
GENETICS 466	3	ZOOLOGY/ANTHRO/ BOTANY 410	3
PHYSICS 103	4	BIOLOGY/ GENETICS 522	2-3
Social Science Breadth	3	PHYSICS 104	4
Electives	5	Humanities Breadth	3
Declare the Major		Electives	2-3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Upper-Level Breadth in the Major	3	Upper-Level Breadth in the Major	6
Upper-Level Breadth in the Major Lab or Field Research	3	Additional Lab or Field Research	2
Electives	9	Electives	7
	15		**15**

Total Credits 120

1 Follow the guidance of Math placement scores when choosing a Mathematics and/or Statistics course.

2 Students may complete one of three Introductory Biology sequences. See the Requirements tab for more information.

BIOLOGY, BS (L&S)

The Biology major is designed for students with broad interests in the biological sciences. It is intended primarily to:

- prepare undergraduates for graduate studies in diverse areas of biology;
- prepare certain preprofessional students (e.g., medicine, veterinary medicine, dentistry) for advanced study in the health professions;
- provide a broad exposure to biology for students who want a general science education as biologists; and
- serve as initial preparation for students who later choose a more specialized major.

The major is offered by the College of Letters & Science and the College of Agricultural and Life Sciences (p. 89).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students who intend to major in Biology in either the College of Letters and Science (L&S) or the College of Agricultural and Life Sciences (CALS) may not combine this major ("double major") with the Molecular and Cell Biology Major or the Neurobiology Major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete a minimum of 31 credits of Biological Science courses within the Introductory Biology, Foundation Course, Upper-Level Breadth in the Major, and Additional Lab or Field Research requirements. Unless specifically stated otherwise, courses may not be used to meet multiple requirements of the major.

In addition to the standard Biology major, there is a Named Option in Evolutionary Biology. Students may complete only one Biology major/named option and must declare the named option they are pursuing.

CORE REQUIREMENTS

Mathematics and Statistics

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211	Survey of Calculus 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

Chemistry

Code	Title	Credits
General Chemistry (Complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Total Credits		**13-18**

Physics

Code	Title	Credits
First Semester Physics (complete one of the following):		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	

PHYSICS 207	General Physics	
Second Semester Physics (complete one of the following):		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Total Credits		**8-10**

Introductory Biology

Code	Title	Credits
Select one of the following options:		10-13
Option A:		
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option B:		
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
Option C:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	
Total Credits		**10-13**

Foundation Course (complete one of the following):

Students may use BIOCORE 381 and BIOCORE 383 toward ***both*** Introductory Biology ***and*** Foundation.

Code	Title	Credits
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6
GENETICS 466	Principles of Genetics	3
GENETICS 468	General Genetics 2	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3

UPPER-LEVEL BREADTH IN THE MAJOR

Minimum of 13 credits required and must include **one approved lab course.** Approved lab courses are indicated by footnote. A course taken to meet the Foundation requirement may not also count as Upper-Level Breadth in the Major.

- Complete at least two credits from either category A or B.
- Complete at least two credits from either category C or D.
- Complete at least two credits from an unused category (A, B, C, D or E).

A. Cellular and Subcellular Biology

Code	Title	Credits
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI 366	Concepts in Genomics	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
DERM 601	Skin Biology and Skin Diseases	3
DERM 602	Advances in Skin Biology and Skin Diseases	2
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 588	Immunogenetics	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3
H ONCOL/ MED PHYS 410	Radiobiology	2-3
MICROBIO 345	Introduction to Disease Biology	3

MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
NEURODPT/ NTP 610	Cellular and Molecular Neuroscience	4
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes [1]	3
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology [1]	2
ZOOLOGY 370	General Molecular Biology	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 555	Laboratory in Developmental Biology [1]	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab [1]	2
ZOOLOGY 655	Modeling Neurodevelopmental Disease	3

B. Organismal Biology

Code	Title	Credits
AN SCI/DY SCI 373	Animal Physiology	3
AN SCI 377	Integrative Animal Physiology Laboratory [1]	1
AN SCI/DY SCI 434	Reproductive Physiology [1]	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin [1]	3
ANAT&PHY 335	Physiology [1]	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory [1]	2
ANAT&PHY 435	Fundamentals of Human Physiology [1]	5
ANTHRO/PSYCH/ ZOOLOGY 619	Biology of Mind	3
BIOCORE 486	Principles of Physiology Laboratory [1]	2
BOTANY 300	Plant Anatomy [1]	4
BOTANY 330	Algae [1]	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 500	Plant Physiology [1]	3-4
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
DY SCI 378	Lactation Physiology [1]	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology [1]	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
F&W ECOL 401	Physiological Animal Ecology	3
GENETICS 545	Genetics Laboratory [1]	2
GENETICS/ MD GENET 565	Human Genetics	3
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	3
KINES 314	Physiology of Exercise [1]	4
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory [1]	2
MICROBIO 526	Physiology of Microorganisms	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 431	Nutrition in the Life Span	3
NUTR SCI 631	Clinical Nutrition I	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH 404	Pathophysiologic Principles of Human Diseases	3
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
ZOOLOGY 303	Aquatic Invertebrate Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates [1]	5
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ZOOLOGY 620	Neuroethology Seminar	2

C. Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AN SCI 420	Microbiomes of Animal Systems	3

BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
PL PATH 300	Introduction to Plant Pathology [1]	4
PL PATH 315	Plant Microbiomes [1]	4
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY 320	Field Marine Biology [1]	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2

D. Evolution and Systematics

Code	Title	Credits
ANTHRO 302	Hominoid Evolution	3
ANTHRO 304	Heredity, Environment and Human Populations	3
ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
ANTHRO 411	The Evolution of the Genus, Homo	3
ANTHRO 458	Primate Behavioral Ecology	3
ANTHRO 603	Seminar in Evolutionary Theory	3
BIOLOGY/ GENETICS 522	Communicating Evolutionary Biology	2-3
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 400	Plant Systematics [1]	4
BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY 422	Plant Geography	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects [1]	4
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
GENETICS 468	General Genetics 2	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe [1]	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PSYCH 449	Animal Behavior	3
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab [1]	2
ZOOLOGY 415	Genetics of Human History	3
ZOOLOGY 425	Behavioral Ecology	3

E. Applied Biology, Agriculture and Natural Resources

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
AGROECOL 377	Global Food Production and Health	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
BIOCORE 587	Biological Interactions	3
BOTANY 403	Field Collections and Identification	1-4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases (4th credit meets lab requirement) [1]	3-4

ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation [1]	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology [1]	4
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 458	Environmental Data Science	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 561	Wildlife Management Techniques [1]	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory [1]	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 548	The Genomic Revolution	3
M&ENVTOX/ ONCOLOGY/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
MED PHYS/ PHYSICS 265	Introduction to Medical Physics	2
MED PHYS 651	Methods for Neuroimaging Research	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
NUTR SCI 332	Human Nutritional Needs	3
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PL PATH 517	Plant Disease Resistance	2-3
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

ADDITIONAL LAB OR FIELD RESEARCH

In addition to the Lab requirement, complete one of the following requirements:

- Complete one *additional* lab course and at least two credits from categories A–E in the Upper-Level Breadth in the Major course lists, ***or***
- Complete at least two credits of directed study in a biological science discipline, or
- Complete a two-semester thesis in biological science.[2]

Approved Directed Study Courses

To have Directed Study count for the Additional Lab/Field Research requirement, students must first complete an Introductory Biology sequence.

Code	Title	Credits
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
AN SCI 699	Special Problems	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
BOTANY 699	Directed Study	
BMOLCHEM 699	Special Research Problems	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
DY SCI 699	Special Problems	
ENTOM 699	Special Problems	
FAM MED 699	Directed Study	
FOOD SCI 699	Special Problems	
F&W ECOL 699	Special Problems	
GENETICS 699	Special Problems	
H ONCOL 699	Independent Study in Human Cancer Biology	
M&ENVTOX 699	Special Problems	
MEDICINE 699	Independent Study	
MED SC-V 699	Directed Study	
MICROBIO 699	Special Problems	
M M & I 699	Directed Study	
MOL BIOL 699	Directed Studies in Molecular Biology	
NEURODPT 699	Directed Study	
NEUROL 699	Directed Research in Neurology	
NEURSURG 699	Neurosurgery: Directed in Study in Research	
NURSING 699	Directed Study in Nursing	
NUTR SCI 699	Special Problems	
OBS&GYN 699	Directed Study	
ONCOLOGY 699	Special Research Problems	
OPHTHALM 699	Directed Study	
PATH 699	Independent Study	
PATH-BIO 699	Directed Study	
PEDIAT 699	Independent Study	
PHM SCI 699	Advanced Independent Study	
PHMCOL-M 699	Independent Study	

PHYSIOL 699	Independent Work
PL PATH 699	Special Problems
PLANTSCI 699	Special Problems
RHAB MED 699	Independent Study
SOIL SCI 699	Special Problems
SURG SCI 699	Directed Study
SURGERY 699	Independent Study

Approved Thesis Sequences

Code	Title	Credits
AN SCI 681 & AN SCI 682	Senior Honor Thesis and Senior Honors Thesis	
AN SCI 691 & AN SCI 692	Thesis and Thesis	
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOCHEM 691 & BIOCHEM 692	Senior Thesis and Senior Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 691 & BIOLOGY 692	Senior Thesis and Senior Thesis	
BOTANY 681 & BOTANY 682	Senior Honors Thesis and Senior Honors Thesis	
BOTANY 691 & BOTANY 692	Senior Thesis and Senior Thesis	
DY SCI 681 & DY SCI 682	Senior Honors Thesis and Senior Honors Thesis	
ENTOM 681 & ENTOM 682	Senior Honors Thesis and Senior Honors Thesis	
FOOD SCI 681 & FOOD SCI 682	Senior Honors Thesis and Senior Honors Thesis	
F&W ECOL 681 & F&W ECOL 682	Senior Honors Thesis and Senior Honors Thesis	
F&W ECOL 691 & F&W ECOL 692	Senior Thesis and Senior Thesis	
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis	
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2	
H ONCOL 691 & H ONCOL 692	Senior Thesis in Human Oncology 1 and Senior Thesis in Human Oncology 2	
M M & I 691 & M M & I 692	First Semester Senior Thesis and Second Semester Senior Thesis	
MICROBIO 681 & MICROBIO 682	Senior Honors Thesis and Senior Honors Thesis	
MICROBIO 691 & MICROBIO 692	Senior Thesis and Senior Thesis	
MOL BIOL 681 & MOL BIOL 682	Senior Honors Thesis and Senior Honors Thesis	
MOL BIOL 691 & MOL BIOL 692	Senior Thesis and Senior Thesis	
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis	
NUTR SCI 691 & NUTR SCI 692	Senior Thesis-Nutrition and Senior Thesis	
PATH-BIO 681 & PATH-BIO 682	Senior Honors Thesis I and Senior Honors Thesis II	
PL PATH 681 & PL PATH 682	Senior Honors Thesis and Senior Honors Thesis	
PLANTSCI 681 & PLANTSCI 682	Senior Honors Thesis and Senior Honors Thesis	
SOIL SCI 681 & SOIL SCI 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis	

BIOLOGY NAMED OPTION

Instead of completing the requirements above, students may choose to select the named option below.

View as listView as grid

- **BIOLOGY: EVOLUTIONARY BIOLOGY (P. 1008)**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all BIOLOGY and major courses
- 2.000 GPA on at least 15 credits of Upper-Level work in the major, in Residence[2]
- 15 credits in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Biology major with permission of the major advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in the major
- Complete 13 credits from Foundation and Upper-Level Breadth in the Major requirements, taken for Honors
- Complete an approved two-semester Senior Honors Thesis for a total of 6 credits

FOOTNOTES

1 Course also approved for lab credit

2 Foundation and Upper-Level Breadth in the Major are considered Upper-Level for purposes of this requirement.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Know and understand core concepts that unify the breadth of biological sciences including: evolution; structure and function; information flow, exchange, and storage; pathways for transformations of energy and matter; and systems.
2. Demonstrate practical skills of a professional biologist including: problem#solving by engaging the process of science; written and verbal proficiency; laboratory skills; quantitative analysis skills; and teamwork skills.
3. Graduates will be able to engage and make broader connections to other scientific disciplines and society.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Four-year Plans for the Biology major are designed to support biological science major exploration and planning your academic career. Your specific program of study could, and probably will, look different. You should customize the Four-Year Plan to fit your unique interests at UW–Madison. Consult with your advisor about the best plan for you.

SAMPLE BIOLOGY MAJOR FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
MATH 221[1]	5	STAT 371[1]	3
Communication A	3	Literature Breadth	3
Social Science Breadth	3	Ethnic Studies/Social Science Breadth	4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151[2]	5	BIOLOGY/BOTANY/ ZOOLOGY 152[2]	5
CHEM 343	3	CHEM 344	2
Literature Breadth	3	CHEM 345	3
Social Science Breadth	3	Humanities Breadth	3
INTER-LS 210	1	Elective	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
Foundation Course for Major	3	Upper-Level Breadth in the Major	4
PHYSICS 103	4	PHYSICS 104	4
Social Science Breadth	3	Humanities Breadth	3
Electives	5	Electives	4
Declare the Major			
	15		**15**

Senior

Fall	Credits	Spring	Credits
Upper-Level Breadth in the Major	3	Upper-Level Breadth in the Major	6
Upper-Level Breadth in the Major Lab or Field Research	3	Additional Lab or Field Research	2
Electives	9	Electives	7
	15		**15**

Total Credits 120

1 Follow the guidance of Math placement scores when choosing a Mathematics and/or Statistics course.

2 Students may complete one of three Introductory Biology sequences. See the Requirements tab for more information.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Biology Major website (https://biologymajor.wisc.edu/advising/).

ADVISING

Your advisor is here to guide you through the Biology major. We can address your questions and concerns, provide advice, help you create a four-year degree plan that meets your major and professional goals, and connect you to resources. It is important to remember that advising is about the process, and some questions do not have a quick and easy answer. Your advisor will challenge you to self-reflect, to critically think about your goals and strategies, and to develop decision-making skills. For more information about what to expect during your advising appointment, visit UW Undergraduate Advising (https://advising.wisc.edu/advising-101/).

In the Biology major, students are assigned to an advisor according to last name. Please visit us here (http://biologymajor.wisc.edu/advising/) to schedule an advising appointment.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in biology, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- Many Study Abroad programs offer a plethora of excellent upper-level bioscience courses. Students often complete courses abroad that meet upper-level breadth in the major requirements (categories A to E) while others use this opportunity to focus on nonscience coursework and explore other topics that interest them. Review the Biology Major advising page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/biology/) on the Study Abroad website to explore international academic programs.
- Students are encouraged to get involved in research in any life-science department. Research can be performed for either course credit or pay, depending on the opportunity. Research opportunities can be identified by inquiring directly (https://wiscience.wisc.edu/resources/undergrad-resources/) with faculty members, reading the *Biology Major Newsletter*, or announcement on the Student Job Center (https://studentjobs.wisc.edu/).

BIOLOGY: EVOLUTIONARY BIOLOGY

The Evolutionary Biology Named Option allows Biology majors to concentrate their studies in evolution and to have this reflected on their transcript. Since there is no evolutionary biology major available at UW–Madison, this is the only mechanism to indicate specialization in this rapidly growing and popular field. In taking this named option, students will be able to fulfill their intermediate/advanced biology requirement with courses that emphasize evolutionary biology, ranging from required courses in fundamental evolutionary biology to more advanced optional courses that cover a wide range of evolutionary biology topics. They will also take a seminar course in evolutionary biology.

Who should enroll in this option? Students with broad interest in the biological sciences who want to:

- prepare for graduate study in evolutionary biology or related fields;
- prepare for professional studies (e.g. medical school, veterinary school, dentistry); and
- concentrate their biological studies in evolutionary biology.

REQUIREMENTS

REQUIREMENTS FOR THE NAMED OPTION

Students must complete a minimum of 31 credits of Biological Science courses within the Introductory Biology, Foundation Course, Upper-Level Breadth in the Major, Additional Lab or Field Research, and Evolutionary Biology Seminar requirements. Unless specifically stated otherwise, courses may not be used to meet multiple requirements of the major.

CORE REQUIREMENTS

Mathematics and Statistics

Code	Title	Credits
Complete one of the following:		4-10
MATH 221	Calculus and Analytic Geometry 1	
MATH 211	Survey of Calculus 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
Complete one of the following:		3-4
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Total Credits		**7-14**

Chemistry

Code	Title	Credits
General Chemistry (Complete one of the following):		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Total Credits		**13-18**

Physics

Code	Title	Credits
First Semester Physics (complete one of the following):		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
Second Semester Physics (complete one of the following):		4-5
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
Total Credits		**8-10**

Introductory Biology

Code	Title	Credits
Complete one sequence:		10-13
Option A:		10
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology	
Option B:		13
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383	Cellular Biology	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 485	Principles of Physiology	
Option C:		10
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	

Foundation Course (complete one of the following):

Students may use BIOCORE 381 and BIOCORE 383 toward both Introductory Biology and Foundation.

Code	Title	Credits
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6
GENETICS 466	Principles of Genetics	3
GENETICS 468	General Genetics 2	3

UPPER-LEVEL BREADTH IN THE MAJOR

Minimum of 13 credits required as follows and must include **one approved lab course.** (Approved lab courses are indicated by footnote). A course taken to meet the Foundation requirement may not also count as Upper-Level Breadth in the Major.

- Complete the Evolutionary Biology course
- Complete at least two credits from either category A or B.
- Complete at least two credits from category C.
- Complete at least two credits from category D.
- Additional courses needed to reach 13 credits Upper-Level Breadth in the Major may be taken from any category (A, B, C, D, E).

Required Evolutionary Biology Course

Code	Title	Credits
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	3

A. Cellular and Subcellular Biology

Code	Title	Credits
AN SCI 336	Animal Growth and Development	3
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI 366	Concepts in Genomics	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3

BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
DERM 601	Skin Biology and Skin Diseases	3
DERM 602	Advances in Skin Biology and Skin Diseases	2
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS 588	Immunogenetics	3
GENETICS 605	Clinical Cases in Medical Genetics	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3
H ONCOL/ MED PHYS 410	Radiobiology	2-3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes [1]	3
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology [1]	2
PLANTSCI 340	Plant Genome Engineering and Editing	3
ZOOLOGY 370	General Molecular Biology	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 555	Laboratory in Developmental Biology [1]	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab [1]	2
ZOOLOGY 655	Modeling Neurodevelopmental Disease	3

B. Organismal Biology

Code	Title	Credits
AN SCI/DY SCI 373	Animal Physiology	3
AN SCI 377	Integrative Animal Physiology Laboratory [1]	1
AN SCI/DY SCI 434	Reproductive Physiology [1]	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin [1]	3
ANAT&PHY 335	Physiology [1]	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory	2
ANAT&PHY 435	Fundamentals of Human Physiology [1]	5
ANTHRO/PSYCH/ ZOOLOGY 619	Biology of Mind	3
BIOCORE 486	Principles of Physiology Laboratory [1]	2
BOTANY 300	Plant Anatomy [1]	4
BOTANY 330	Algae [1]	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY/ PL PATH 333	Biology of the Fungi	2
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 500	Plant Physiology [1]	3-4
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
DY SCI 378	Lactation Physiology [1]	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology [1]	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
F&W ECOL 401	Physiological Animal Ecology	3
GENETICS 545	Genetics Laboratory [1]	2
GENETICS/ MD GENET 565	Human Genetics	3
GEOSCI/ ZOOLOGY 542	Invertebrate Paleontology	3
KINES 314	Physiology of Exercise [1]	4
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory [1]	2
MICROBIO 526	Physiology of Microorganisms	3
M M & I 301	Pathogenic Bacteriology	2
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 431	Nutrition in the Life Span	3

NUTR SCI 631	Clinical Nutrition I	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH 404	Pathophysiologic Principles of Human Diseases	3
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
ZOOLOGY 303	Aquatic Invertebrate Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates [1]	5
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ZOOLOGY 620	Neuroethology Seminar	2

C. Ecology

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AN SCI 420	Microbiomes of Animal Systems	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
ENTOM 344	From Flowers to Food: Pollinator Ecology and Conservation	3
ENTOM 450	Basic and Applied Insect Ecology	3
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
F&W ECOL 448	Disturbance Ecology	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab [1]	1
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
GENETICS 528	Banking Animal Biodiversity: International Field Study in Costa Rica	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
PL PATH 300	Introduction to Plant Pathology [1]	4
PL PATH 315	Plant Microbiomes [1]	4
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY 320	Field Marine Biology [1]	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2

D. Evolution and Systematics

Code	Title	Credits
ANTHRO 302	Hominoid Evolution	3
ANTHRO 304	Heredity, Environment and Human Populations	3
ANTHRO 411	The Evolution of the Genus, Homo	3
ANTHRO 458	Primate Behavioral Ecology	3
ANTHRO 603	Seminar in Evolutionary Theory	3
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 400	Plant Systematics [1]	4
BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY 422	Plant Geography	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects [1]	4
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
GENETICS 468	General Genetics 2	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe [1]	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PSYCH 449	Animal Behavior	3-4
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab [1]	2
ZOOLOGY 415	Genetics of Human History	3
ZOOLOGY 425	Behavioral Ecology	3

E. Applied Biology, Agriculture and Natural Resources

Code	Title	Credits
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3

AGROECOL 377	Global Food Production and Health	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
BIOCORE 587	Biological Interactions	3
BOTANY 403	Field Collections and Identification	1-4
DY SCI 471	Food Production Systems and Sustainability	3
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases (4th credit meets lab requirement) [1]	3-4
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation [1]	3
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology [1]	4
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL 458	Environmental Data Science	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 561	Wildlife Management Techniques [1]	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory [1]	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
GENETICS 548	The Genomic Revolution	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MED PHYS/ PHYSICS 265	Introduction to Medical Physics	2
MED PHYS 651	Methods for Neuroimaging Research	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
NUTR SCI 332	Human Nutritional Needs	3
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	Toxicology I	3
PLANTSCI/ LAND ARC 263	Woody Landscape Plant Identification, Culture, and Use	4
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
PLANTSCI 378	Tropical Horticultural Systems International Field Study	2
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PL PATH 517	Plant Disease Resistance	2-3
SOIL SCI 323	Soil Biology	3
SOIL SCI 621	Soil and Environmental Chemistry	3

ADDITIONAL LAB OR FIELD RESEARCH

In addition to the Lab requirement, complete one of the following requirements:

- Complete one *additional* lab course from categories A–E in the Upper-Level Breadth in the Major course lists, ***or***
- Complete at least 2 credits of directed study in a biological science discipline, or
- Complete a two-semester thesis in biological science.

Approved Directed Study Courses

To have Directed Study count for the Additional Lab/Field Research requirement students must first complete an Introductory Biology sequence.

Code	Title	Credits
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
AN SCI 699	Special Problems	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
BOTANY 699	Directed Study	
BMOLCHEM 699	Special Research Problems	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
DY SCI 699	Special Problems	
ENTOM 699	Special Problems	
FAM MED 699	Directed Study	
FOOD SCI 699	Special Problems	
F&W ECOL 699	Special Problems	
GENETICS 699	Special Problems	
M&ENVTOX 699	Special Problems	
MEDICINE 699	Independent Study	
MED SC-V 699	Directed Study	
MICROBIO 699	Special Problems	
M M & I 699	Directed Study	
MOL BIOL 699	Directed Studies in Molecular Biology	

NEURODPT 699	Directed Study
NEUROL 699	Directed Research in Neurology
NEURSURG 699	Neurosurgery: Directed in Study in Research
NURSING 699	Directed Study in Nursing
NUTR SCI 699	Special Problems
OBS&GYN 699	Directed Study
ONCOLOGY 699	Special Research Problems
OPHTHALM 699	Directed Study
PATH 699	Independent Study
PATH-BIO 699	Directed Study
PEDIAT 699	Independent Study
PHM SCI 699	Advanced Independent Study
PHMCOL-M 699	Independent Study
PHYSIOL 699	Independent Work
PL PATH 699	Special Problems
PLANTSCI 699	Special Problems
RHAB MED 699	Independent Study
SOIL SCI 699	Special Problems
SURG SCI 699	Directed Study
SURGERY 699	Independent Study

Approved Thesis Sequences

Code	Title	Credits
AN SCI 681 & AN SCI 682	Senior Honor Thesis and Senior Honors Thesis	
AN SCI 691 & AN SCI 692	Thesis and Thesis	
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOCHEM 691 & BIOCHEM 692	Senior Thesis and Senior Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 691 & BIOLOGY 692	Senior Thesis and Senior Thesis	
BOTANY 681 & BOTANY 682	Senior Honors Thesis and Senior Honors Thesis	
BOTANY 691 & BOTANY 692	Senior Thesis and Senior Thesis	
DY SCI 681 & DY SCI 682	Senior Honors Thesis and Senior Honors Thesis	
ENTOM 681 & ENTOM 682	Senior Honors Thesis and Senior Honors Thesis	
FOOD SCI 681 & FOOD SCI 682	Senior Honors Thesis and Senior Honors Thesis	
F&W ECOL 681 & F&W ECOL 682	Senior Honors Thesis and Senior Honors Thesis	
F&W ECOL 691 & F&W ECOL 692	Senior Thesis and Senior Thesis	
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis	
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2	
H ONCOL 691 & H ONCOL 692	Senior Thesis in Human Oncology 1 and Senior Thesis in Human Oncology 2	
M M & I 691 & M M & I 692	First Semester Senior Thesis and Second Semester Senior Thesis	
MICROBIO 681 & MICROBIO 682	Senior Honors Thesis and Senior Honors Thesis	
MICROBIO 691 & MICROBIO 692	Senior Thesis and Senior Thesis	
MOL BIOL 681 & MOL BIOL 682	Senior Honors Thesis and Senior Honors Thesis	
MOL BIOL 691 & MOL BIOL 692	Senior Thesis and Senior Thesis	
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis	
NUTR SCI 691 & NUTR SCI 692	Senior Thesis-Nutrition and Senior Thesis	
PATH-BIO 681 & PATH-BIO 682	Senior Honors Thesis I and Senior Honors Thesis II	
PL PATH 681 & PL PATH 682	Senior Honors Thesis and Senior Honors Thesis	
PLANTSCI 681 & PLANTSCI 682	Senior Honors Thesis and Senior Honors Thesis	
SOIL SCI 681 & SOIL SCI 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis	

EVOLUTIONARY BIOLOGY SEMINAR

Code	Title	Credits
BIOLOGY/ GENETICS 522	Communicating Evolutionary Biology	2-3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all BIOLOGY and major courses
- 2.000 GPA on at least 15 credits of Upper-Level work in the major, in Residence [2]
- 15 credits in the major, taken on the UW–Madison campus

FOOTNOTES

[1] Course also approved for lab credit

[2] Foundation and Upper-Level Breadth in the Major courses are considered Upper-Level for purposes of this requirement.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Four-year Plans for the Biology major are designed to support biological science major exploration and planning your academic career. Your specific program of study could, and probably will, look different. You should customize the Four-Year Plan to fit your unique interests at UW–Madison. Consult with your advisor about the best plan for you.

SAMPLE EVOLUTIONARY BIOLOGY OPTION FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
MATH 221[1]	5	STAT 371 or 301[1]	3
Communication A	3	Literature Breadth	3
Social Science Breadth	3	Ethnic Studies/Social Science Breadth	3
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151[2]	5	BIOLOGY/BOTANY/ ZOOLOGY 152[2]	5
CHEM 343	3	CHEM 344	2
Literature Breadth	3	CHEM 345	3
Social Science Breadth	3	Humanities Breadth	3
INTER-LS 210	1	Elective	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
GENETICS 466	3	ZOOLOGY/ANTHRO/ BOTANY 410	3
PHYSICS 103	4	BIOLOGY/ GENETICS 522	2-3
Social Science Breadth	3	PHYSICS 104	4
Electives	5	Humanities Breadth	3
Declare the Major		Electives	2-3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Upper-Level Breadth in the Major	3	Upper-Level Breadth in the Major	6
Upper-Level Breadth in the Major Lab or Field Research	3	Additional Lab or Field Research	2
Electives	9	Electives	7
	15		**15**

Total Credits 120

1. Follow the guidance of Math placement scores when choosing a Mathematics and/or Statistics course.
2. Students may complete one of three Introductory Biology sequences. See the Requirements tab for more information.

FRESHWATER AND MARINE SCIENCES, CERTIFICATE

Freshwater and marine ecosystems are vital to human well-being. They support vast biodiversity and provide drinking water, protein, and livelihoods to people worldwide. Both freshwater and marine systems are also highly threatened. Creating a sustainable future will require people with a foundational understanding of these ecosystems.

While many Freshwater and Marine Sciences certificate courses have a strong biological focus, this certificate emphasizes the interdisciplinary nature of the aquatic sciences and incorporates courses that span the physical and biological sciences and their application to real-world problems.

The certificate provides an opportunity for students interested in areas such as environmental science, ecology and evolution, natural resources management, environmental chemistry, public policy, public health, and social justice to incorporate water-related themes into their degree program.

The Freshwater and Marine Sciences certificate is offered by the Department of Integrative Biology in the College of Letters and Sciences, and includes courses from a broad range of departments including Atmospheric and Oceanic Sciences, Botany, Geoscience, Soil and Environmental Sciences, and Civil and Environmental Engineering.

The certificate is part of the Freshwater Collaborative of Wisconsin (https://freshwater.wisconsin.edu/), a statewide initiative of the Universities of Wisconsin (https://www.wisconsin.edu/).

HOW TO GET IN

HOW TO GET IN

Please contact the Freshwater and Marine Sciences undergraduate advisor to declare the certificate.

Prerequisites: None.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of 15 credits. Students must complete distinct courses in each requirement; they may not reuse courses to meet multiple requirements.

Code	Title	Credits
Core courses: Complete at least 5 credits from this list of courses.		**5**
ZOOLOGY 304	Marine Biology	
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	
ATM OCN/ GEOSCI 105	Survey of Oceanography	
CIV ENGR 311	Hydroscience	
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	
Freshwater: Complete one course		**2-3**
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	
BOTANY 330	Algae	
CIV ENGR 311	Hydroscience	
CIV ENGR 415	Hydrology	
CIV ENGR 416	Water Resources Systems Analysis	
CIV ENGR 516	Hydrologic Data Analysis	
LAND ARC/ ENVIR ST 361	Wetlands Ecology	
Marine: Complete one course		**2-4**
ZOOLOGY 304	Marine Biology	
ZOOLOGY 320	Field Marine Biology	
ATM OCN/ GEOSCI 105	Survey of Oceanography	
Freshwater and Marine: Courses count towards either requirement area.		
ZOOLOGY 303	Aquatic Invertebrate Biology	
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab	
CIV ENGR 514	Coastal Engineering	
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	
Electives to reach 15 credits, any Freshwater or Marine course beyond the minimum requirements counts as electives.		**3-6**
Total Credits		**15**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 8 credits must be taken in residence at UW-Madison

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop an integrated understanding of the functioning of freshwater and marine ecosystems, with a focus on the integration of physical, chemical, and biological dimensions.
2. Apply a foundational understanding of freshwater and marine ecosystems to addressing current environmental problems.
3. Develop a deeper understanding of interdisciplinary water resource management issues, and to understand their broader societal context.
4. Gain career-relevant, hands-on experiences through field trips, lab analysis, and data collection and analysis.

ADVISING AND CAREERS

ADVISING AND CAREERS

Talk with the certificate advisor about selecting courses from the certificate's options to fit your own interests and goals. Current UW–Madison students should use Starfish to schedule an appointment with Kelin Boldiis, the Freshwater and Marine Sciences Certificate Advising Manager: iBio Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/78583/schedule).

Freshwater and Marine Sciences certificate students gain experience that prepares them for graduate study and/or careers such as limnology, water resource management, and marine biology. Career paths include water resources policy and management with local, state, or federal agencies, conservation groups, teaching and academic research, and private industry.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)

- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

MOLECULAR AND CELL BIOLOGY, BA

Molecular and cell biology is the basic science that seeks an understanding of biological processes in terms of the properties and functions of the molecules that make up living cells. The scope of questions addressed in molecular and cell biology ranges from evolution to development to the regulation of gene expression. A career in molecular and cell biology requires a strong background in biology as well as a solid foundation in chemistry, mathematics, and physics.

The Molecular and Cell Biology major has been designed primarily for three groups of students:

1. those who plan to enter a research career in molecular and cell biology or related areas such as biochemistry, genetics, oncology, microbiology, cell biology, or developmental biology;
2. pre-professional students who plan to enter either a research or clinical career in medicine or allied health fields; and
3. students who plan to pursue careers in the biotechnology and pharmaceutical science industries.

Students with other interests are also welcome, of course. Career opportunities for students with an undergraduate degree in molecular and cell biology are amazingly diverse. Graduates of the program have gone into patent law, science journalism, forensics, philosophy, nutrition, genetic counseling, veterinary medicine, anthropology, archeology, marine biology, theology, and much more (https://molecularbio.ls.wisc.edu/wp-content/uploads/sites/290/2024/10/What-you-can-do-with-your-MOLECULAR-CELL-BIOLOGY-major.pdf).

Major requirements have been set to assure a high degree of proficiency in the various areas specified while still allowing as much flexibility as possible for students to individualize their programs. For the undergraduate interested in life sciences, this major uniquely provides access to the extraordinary scope and strength of biology courses and laboratories on the UW–Madison campus.

Students who wish to obtain further information about the program or to declare a Molecular and Cell Biology major should contact the Academic Advisor. (https://molecularbio.ls.wisc.edu/advising/)

UNDERGRADUATE RESEARCH

Undergraduate Molecular and Cell Biology students at UW–Madison are fortunate to have the opportunity to work with some of the world's leading researchers. Many opportunities for laboratory research experience are available on campus for undergraduate students, and this type of experience is strongly encouraged. Such an experience provides students the opportunity to apply what they're learning and complement their knowledge with practical skills. Research experience is highly valued by employers, graduate programs, and professional schools. See the major website (https://molecularbio.ls.wisc.edu/undergraduate-research/) for more information on how to get involved in undergraduate research.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATHEMATICS, CHEMISTRY & PHYSICS

Code	Title	Credits
Mathematics and Statistics		**6-10**
Complete one of the following:		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 217	Calculus with Algebra and Trigonometry II	5
Complete one of the following:		
MATH 222	Calculus and Analytic Geometry 2	4
MATH 213	Survey of Calculus 2	3
STAT 240	Data Science Modeling I	4
STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
General Chemistry–complete one option:		**5-10**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II (by consent of instructor only)	10
Organic Chemistry -complete the sequence		**8**
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Physics -Choose a first and a second calculus based physics option OR elementary based physics sequence with additional calculus		**10-12**
Calculus Based Physics: First General Physics Course–complete one class:		
PHYSICS 207	General Physics	5
PHYSICS 201	General Physics	5
PHYSICS 247	A Modern Introduction to Physics	5
Calculus Based Physics: Second General Physics Course – complete one class:		
PHYSICS 208	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 248	A Modern Introduction to Physics	5
Elementary Based Physics --complete three		
PHYSICS 103	General Physics	4
PHYSICS 104	General Physics	4
MATH 234	Calculus--Functions of Several Variables	4

INTRODUCTORY BIOLOGY

Code	Title	Credits
Complete one option:		**10-13**
Option A:		
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	5
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	5
Option B: [1]		
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	2

BIOCORE 383	Cellular Biology	3
BIOCORE 384	Cellular Biology Laboratory	2
BIOCORE 485	Principles of Physiology	3
Option C:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	3
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	2
BOTANY/ BIOLOGY 130	General Botany	5

BREADTH COURSEWORK

Code	Title	Credits
Biochemistry -complete one of the following:		
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	6
Cell Biology		
ZOOLOGY 570	Cell Biology	3
Molecular Biology and Genetics -complete one of the following:		
BIOCORE 381 & BIOCORE 383 & BIOCORE 587	Evolution, Ecology, and Genetics and Cellular Biology and Biological Interactions	9
GENETICS 466	Principles of Genetics	3
GENETICS 467 & GENETICS 468	General Genetics 1 and General Genetics 2	6
MICROBIO 470	Microbial Genetics & Molecular Machines	3
Total Credits		9-18

DEPTH COURSEWORK

Code	Title	Credits
Students must complete 6 unique credits of depth coursework. Courses may be concentrated in one area or distributed across multiple areas. [2]		
Biochemistry and Biophysics (no minimum)		
CHEM 575	Advanced Topics in Chemistry	1-4
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
Cellular Systems (no minimum)		
MED PHYS 510	Fundamentals of Cellular, Molecular, and Radiation Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 603	Endocrinology	3-4
GENETICS 627	Animal Developmental Genetics	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH-BIO/ M M & I 528	Immunology	3
BIOCORE 587	Biological Interactions	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
Genetics (no minimum)		
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 588	Immunogenetics	3
GENETICS/ BIOCHEM/ MICROBIO 612	Prokaryotic Molecular Biology	3
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ BIOCHEM 631	Plant Genetics and Development	3
GENETICS/ MD GENET 662	Cancer Genetics	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
Microbiology and Virology (no minimum)		
MICROBIO 303	Biology of Microorganisms	3
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 526	Physiology of Microorganisms	3
PL PATH 622	Plant-Bacterial Interactions	2-3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
BIOCHEM/ M M & I 575	Biology of Viruses	2

ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
Quantitative Biology (no minimum)		
MATH/ COMP SCI 240	Introduction to Discrete Mathematics	3
MATH 340	Elementary Matrix and Linear Algebra	3
STAT 303	R for Statistics I	1
STAT 304	R for Statistics II	1
STAT 305	R for Statistics III	1
STAT 333	Applied Regression Analysis	3
STAT 421	Applied Categorical Data Analysis	3
B M E 556	Systems Biology: Mammalian Signaling Networks	3
COMP SCI 300	Programming II	3
COMP SCI 368	Learning a Programming Language	1
COMP SCI 540	Introduction to Artificial Intelligence	3
COMP SCI/ B M I 567	Biomedical Image Analysis	3
COMP SCI/ B M I 576	Introduction to Bioinformatics	3
MICROBIO 657	Bioinformatics for Microbiologists	3

LABORATORY COURSE

Complete 2 credits minimum:

Students who complete at least 4 credits of Directed/Independent study fulfill both the Laboratory Course and Directed/Independent Study requirements

Code	Title	Credits
BIOCHEM 207	Engineering Bacteriophage Laboratory	2
CHEM 327	Fundamentals of Analytical Science	4
CHEM 329	Fundamentals of Analytical Science	4
COMP SCI 220	Data Science Programming I	4
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 657	Bioinformatics for Microbiologists	3
MOL BIOL 681	Senior Honors Thesis	3
MOL BIOL 691	Senior Thesis	3
MOL BIOL 699	Directed Studies in Molecular Biology	1-4
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes	3
ZOOLOGY 555	Laboratory in Developmental Biology	3

DIRECTED/INDEPENDENT STUDY

Complete 2 credits minimum:

Students who complete at least 4 credits of Directed/Independent study fulfill both the Laboratory Course and Directed/Independent Study requirements

Code	Title	Credits
Directed/Independent Study- This 699 course can be taken in Mol Bio or in the Mentor's department - Subject to MCB approval (inquire with MCB advisor).		
MOL BIOL 699	Directed Studies in Molecular Biology (Or other departments, as applicable)	1-4
Senior Thesis		
MOL BIOL 682	Senior Honors Thesis	3
MOL BIOL 692	Senior Thesis	3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all Molecular and Cell Biology major courses
- 2.000 GPA on at least 15 credits of upper-level in the major, taken in residence[3]
- 15 credits in Molecular and Cell Biology major courses, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Molecular and Cell Biology major in consultation with the Molecular and Cell Biology undergraduate advisor.

HONORS IN THE MOLECULAR AND CELL BIOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Molecular and Cell Biology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all courses accepted in the major
- Complete at least 15 credits of honors courses in the major while in residence at UW-Madison. This requirement can be broken down as indicated below:
  - At least 9 credits from the Breadth and Depth course options in the Molecular and Cell Biology major
  - Complete two semester Senior Honors Thesis, a piece of original research composition.

Code	Title	Credits
MOL BIOL 681	Senior Honors Thesis	3
MOL BIOL 682	Senior Honors Thesis	3

  - Complete one semester of the Molecular and Cell Biology senior honors seminar course.

Code	Title	Credits
MOL BIOL 686	Senior Honors Seminar in Molecular Biology	1

FOOTNOTES

1 BIOCORE is a competitive honors program and certificate.

2 Students are encouraged to see their advisor for assistance in choosing depth coursework.

3 Courses accepted in the major that are Intermediate or Advanced are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate the energetic and thermodynamic bases of life, with an emphasis on the molecular mechanisms underlying them
2. Integrate the nature of genetic material and its roles in inheritance, evolution, and cellular function
3. Summarize the fundamental relationship between the structure and function of biological macromolecules
4. Summarize the principles of cell structure, function, and biological dynamics
5. Appraise the molecular mechanisms and quantitative principles in biochemistry/physical chemistry, cellular systems, genetics, and microbiology.
6. Develop skills to communicate scientific information in oral and written form
7. Develop the ability to formulate hypotheses and plan, design, and carry out scientific experiments to test them
8. Developing quantitative reasoning skills and the ability to use quantitative approaches to understand basic principles of life.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	MATH 221	5
Quantitative Reasoning A	3-5	Ethnic Studies	3
CHEM 103	4	CHEM 104	5
Foreign Language (if needed)	3-4	Humanities Breadth	2
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 151	5	ZOOLOGY/BIOLOGY/ BOTANY 152	5
CHEM 343	3	CHEM 344	2
Social Science Breadth	3	CHEM 345	3
Humanities Breadth	3	STAT 371	3
INTER-LS 210[1]	1	Elective	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
PHYSICS 207	5	PHYSICS 208	5
GENETICS 466	3	BIOCHEM 501	3
ZOOLOGY 570	3	Literature Breadth	3
Social Science Breadth	3	MOL BIOL 699 or Elective	3
MOL BIOL 699	1-4		
	16		**14**

Senior

Fall	Credits	Spring	Credits
Depth Coursework	3	Depth Coursework	3
Laboratory Course	2-4	MOL BIOL 699 or Elective	3
MOL BIOL 699 or Elective	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

[1] INTER-LS 210 L&S Career Development: Taking Initiative is an option, but not required for students pursuing the Molecular and Cell Biology major.

ADVISING AND CAREERS

ADVISING AND CAREERS

You must first make an appointment to meet with a Molecular and Cell Biology advisor using Starfish, based on your last name.

Students with last names beginning with A to M, see Catherine Auger (Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/11201/schedule))

Students with last names beginning with N to Z, see Pang Zoo Lee (Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/29759/schedule))

Students who intend to major in Molecular and Cell Biology may not combine this major ("double major") with the Biology or Biochemistry majors in either the College of Letters and Science or the College of Agricultural and Life Sciences (CALS).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

HILLDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIP

The Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 100 Hilldale awards are available each year. The student researcher receives $3,000, and the faculty/staff research advisor receives $1,000 to help offset research costs (e.g., supplies, faculty or student travel related to the project).

HOLSTROM ENVIRONMENTAL RESEARCH FELLOWSHIP

The Holstrom Environmental Research Fellowship (https://awards.advising.wisc.edu/all-scholarships/holstrom-enviromental-research-fellowship/) supports undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Research proposals must have an environmental focus, and applicants must have at least a junior standing at the time of application. Apply spring semester to fund work on the project during the summer or the following academic year.

SOPHOMORE RESEARCH FELLOWSHIP

Funded by grants from the Brittingham Fund and the Kemper K. Knapp Bequest, the Sophomore Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/sophomore-research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 15 awards are available.

UNDERGRADUATE RESEARCH SCHOLARS

The Undergraduate Research Scholars (https://urs.ls.wisc.edu/) (URS) program is dedicated to enhancing the academic experience of UW–Madison students by providing first- and second-year undergraduates with opportunities to earn credit for participating in research and creative work with UW–Madison faculty and staff. The program has been designed to include partnerships between students and mentors, seminars on research-relevant issues, and practice in research/artistic presentations. The many benefits of the program are found in the fluid interaction between these activities.

UNDERGRADUATE SYMPOSIUM

The annual Undergraduate Symposium (https://ugradsymposium.wisc.edu/) showcases undergraduate creativity, achievement, research, service-learning, and community-based research from all areas of study at UW–Madison, including the humanities, fine arts, biological sciences, physical sciences, and social sciences. This past year nearly 700 students presented, displayed, or performed their work for members of the university, the surrounding community, family, and friends.

WISCONSIN IDEA FELLOWSHIPS

Wisconsin Idea Fellowships (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/) are awarded annually to undergraduate student projects working toward solving a challenge identified along with local or global community partners. Fellowships are awarded to semester-long or year-long projects designed by an undergraduate student (or group of students) in collaboration with a community organization and a UW–Madison faculty or academic staff member.

MOLECULAR AND CELL BIOLOGY, BS

Molecular and cell biology is the basic science that seeks an understanding of biological processes in terms of the properties and functions of the molecules that make up living cells. The scope of questions addressed in molecular and cell biology ranges from evolution to development to the regulation of gene expression. A career in molecular and cell biology requires a strong background in biology as well as a solid foundation in chemistry, mathematics, and physics.

The Molecular and Cell Biology major has been designed primarily for three groups of students:

1. those who plan to enter a research career in molecular and cell biology or related areas such as biochemistry, genetics, oncology, microbiology, cell biology, or developmental biology;
2. pre-professional students who plan to enter either a research or clinical career in medicine or allied health fields; and
3. students who plan to pursue careers in the biotechnology and pharmaceutical science industries.

Students with other interests are also welcome, of course. Career opportunities for students with an undergraduate degree in molecular and cell biology are amazingly diverse. Graduates of the program have gone into patent law, science journalism, forensics, philosophy, nutrition, genetic counseling, veterinary medicine, anthropology, archeology, marine biology, theology, and much more (https://molecularbio.ls.wisc.edu/wp-content/uploads/sites/290/2024/10/What-you-can-do-with-your-MOLECULAR-CELL-BIOLOGY-major.pdf).

Major requirements have been set to assure a high degree of proficiency in the various areas specified while still allowing as much flexibility as possible for students to individualize their programs. For the undergraduate interested in life sciences, this major uniquely provides access to the extraordinary scope and strength of biology courses and laboratories on the UW–Madison campus.

Students who wish to obtain further information about the program or to declare a Molecular and Cell Biology major should contact the Academic Advisor. (https://molecularbio.ls.wisc.edu/advising/)

UNDERGRADUATE RESEARCH

Undergraduate Molecular and Cell Biology students at UW–Madison are fortunate to have the opportunity to work with some of the world's leading researchers. Many opportunities for laboratory research experience are available on campus for undergraduate students, and this type of experience is strongly encouraged. Such an experience provides students the opportunity to apply what they're learning and complement their knowledge with practical skills. Research experience is highly valued by employers, graduate programs, and professional schools. See the major website (https://molecularbio.ls.wisc.edu/undergraduate-research/) for more information on how to get involved in undergraduate research.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATHEMATICS, CHEMISTRY & PHYSICS

Code	Title	Credits
Mathematics and Statistics		**6-10**
Complete one of the following:		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 217	Calculus with Algebra and Trigonometry II	5
Complete one of the following:		
MATH 222	Calculus and Analytic Geometry 2	4
MATH 213	Survey of Calculus 2	3
STAT 240	Data Science Modeling I	4
STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
General Chemistry—complete one option:		**5-10**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II (by consent of instructor only)	10
Organic Chemistry -complete the sequence		**8**
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Physics -Choose a first and a second calculus based physics option OR elementary based physics sequence with additional calculus		**10-12**
Calculus Based Physics: First General Physics Course—complete one class:		
PHYSICS 207	General Physics	5
PHYSICS 201	General Physics	5
PHYSICS 247	A Modern Introduction to Physics	5
Calculus Based Physics: Second General Physics Course – complete one class:		
PHYSICS 208	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 248	A Modern Introduction to Physics	5
Elementary Based Physics --complete three		
PHYSICS 103	General Physics	4
PHYSICS 104	General Physics	4
MATH 234	Calculus--Functions of Several Variables	4

INTRODUCTORY BIOLOGY

Code	Title	Credits
Complete one option:		**10-13**
Option A:		
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	5
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	5
Option B: [1]		
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	2
BIOCORE 383	Cellular Biology	3
BIOCORE 384	Cellular Biology Laboratory	2
BIOCORE 485	Principles of Physiology	3
Option C:		
ZOOLOGY/ BIOLOGY 101	Animal Biology	3
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	2
BOTANY/ BIOLOGY 130	General Botany	5

BREADTH COURSEWORK

Code	Title	Credits
Biochemistry -complete one of the following:		
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	6
Cell Biology		
ZOOLOGY 570	Cell Biology	3
Molecular Biology and Genetics -complete one of the following:		
BIOCORE 381 & BIOCORE 383 & BIOCORE 587	Evolution, Ecology, and Genetics and Cellular Biology and Biological Interactions	9
GENETICS 466	Principles of Genetics	3
GENETICS 467 & GENETICS 468	General Genetics 1 and General Genetics 2	6
MICROBIO 470	Microbial Genetics & Molecular Machines	3
Total Credits		9-18

DEPTH COURSEWORK

Code	Title	Credits
Students must complete 6 unique credits of depth coursework. Courses may be concentrated in one area or distributed across multiple areas. [2]		
Biochemistry and Biophysics (no minimum)		
CHEM 575	Advanced Topics in Chemistry	1-4

BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
Cellular Systems (no minimum)		
MED PHYS 510	Fundamentals of Cellular, Molecular, and Radiation Biology	3
CRB/B M E 670	Biology of Heart Disease and Regeneration	3
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease	2
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY 603	Endocrinology	3-4
GENETICS 627	Animal Developmental Genetics	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
PATH-BIO/ M M & I 528	Immunology	3
BIOCORE 587	Biological Interactions	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
Genetics (no minimum)		
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
GENETICS 520	Neurogenetics	3
GENETICS 527	Developmental Genetics for Conservation and Regeneration	3
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 588	Immunogenetics	3
GENETICS/ BIOCHEM/ MICROBIO 612	Prokaryotic Molecular Biology	3
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology	3
GENETICS 627	Animal Developmental Genetics	3
GENETICS/ BIOCHEM 631	Plant Genetics and Development	3
GENETICS/ MD GENET 662	Cancer Genetics	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
Microbiology and Virology (no minimum)		
MICROBIO 303	Biology of Microorganisms	3
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 526	Physiology of Microorganisms	3
PL PATH 622	Plant-Bacterial Interactions	2-3
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
BIOCHEM/ M M & I 575	Biology of Viruses	2
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
Quantitative Biology (no minimum)		
MATH/ COMP SCI 240	Introduction to Discrete Mathematics	3
MATH 340	Elementary Matrix and Linear Algebra	3
STAT 303	R for Statistics I	1
STAT 304	R for Statistics II	1
STAT 305	R for Statistics III	1
STAT 333	Applied Regression Analysis	3
STAT 421	Applied Categorical Data Analysis	3
B M E 556	Systems Biology: Mammalian Signaling Networks	3
COMP SCI 300	Programming II	3
COMP SCI 368	Learning a Programming Language	1
COMP SCI 540	Introduction to Artificial Intelligence	3
COMP SCI/ B M I 567	Biomedical Image Analysis	3
COMP SCI/ B M I 576	Introduction to Bioinformatics	3
MICROBIO 657	Bioinformatics for Microbiologists	3

LABORATORY COURSE

Complete 2 credits minimum:

Students who complete at least 4 credits of Directed/Independent study fulfill both the Laboratory Course and Directed/Independent Study requirements

Code	Title	Credits
BIOCHEM 207	Engineering Bacteriophage Laboratory	2
CHEM 327	Fundamentals of Analytical Science	4
CHEM 329	Fundamentals of Analytical Science	4
COMP SCI 220	Data Science Programming I	4
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 657	Bioinformatics for Microbiologists	3

MOL BIOL 681	Senior Honors Thesis	3
MOL BIOL 691	Senior Thesis	3
MOL BIOL 699	Directed Studies in Molecular Biology	1-4
PHM SCI 254	Tiny Earth Genomics - Researching Uncultured Antibiotic-Producing Microbes	3
ZOOLOGY 555	Laboratory in Developmental Biology	3

DIRECTED/INDEPENDENT STUDY

Complete 2 credits minimum:

Students who complete at least 4 credits of Directed/Independent study fulfill both the Laboratory Course and Directed/Independent Study requirements

Code	Title	Credits
Directed/Independent Study- This 699 course can be taken in Mol Bio or in the Mentor's department - Subject to MCB approval (inquire with MCB advisor).		
MOL BIOL 699	Directed Studies in Molecular Biology (Or other departments, as applicable)	1-4
Senior Thesis		
MOL BIOL 682	Senior Honors Thesis	3
MOL BIOL 692	Senior Thesis	3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all Molecular and Cell Biology major courses
- 2.000 GPA on at least 15 credits of upper-level in the major, taken in residence[3]
- 15 credits in Molecular and Cell Biology major courses, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Molecular and Cell Biology major in consultation with the Molecular and Cell Biology undergraduate advisor.

HONORS IN THE MOLECULAR AND CELL BIOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Molecular and Cell Biology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 overall university GPA
- Earn a 3.300 GPA for all courses accepted in the major
- Complete at least 15 credits of honors courses in the major while in residence at UW-Madison. This requirement can be broken down as indicated below:
  - At least 9 credits from the Breadth and Depth course options in the Molecular and Cell Biology major
  - Complete two semester Senior Honors Thesis, a piece of original research composition.

Code	Title	Credits
MOL BIOL 681	Senior Honors Thesis	3
MOL BIOL 682	Senior Honors Thesis	3

- Complete one semester of the Molecular and Cell Biology senior honors seminar course.

Code	Title	Credits
MOL BIOL 686	Senior Honors Seminar in Molecular Biology	1

FOOTNOTES

[1] BIOCORE is a competitive honors program and certificate.
[2] Students are encouraged to see their advisor for assistance in choosing depth coursework.
[3] Courses accepted in the major that are Intermediate or Advanced are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate the energetic and thermodynamic bases of life, with an emphasis on the molecular mechanisms underlying them
2. Integrate the nature of genetic material and its roles in inheritance, evolution, and cellular function
3. Summarize the fundamental relationship between the structure and function of biological macromolecules
4. Summarize the principles of cell structure, function, and biological dynamics
5. Appraise the molecular mechanisms and quantitative principles in biochemistry/physical chemistry, cellular systems, genetics, and microbiology.
6. Develop skills to communicate scientific information in oral and written form

7. Develop the ability to formulate hypotheses and plan, design, and carry out scientific experiments to test them
8. Developing quantitative reasoning skills and the ability to use quantitative approaches to understand basic principles of life.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	MATH 221	5
Quantitative Reasoning A	3-5	Ethnic Studies	3
CHEM 103	4	CHEM 104	5
Foreign Language (if needed)	3-4	Humanities Breadth	2
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 151	5	ZOOLOGY/BIOLOGY/ BOTANY 152	5
CHEM 343	3	CHEM 344	2
Social Science Breadth	3	CHEM 345	3
Humanities Breadth	3	STAT 371	3
INTER-LS 210[1]	1	Elective	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
PHYSICS 207	5	PHYSICS 208	5
GENETICS 466	3	BIOCHEM 501	3
ZOOLOGY 570	3	Literature Breadth	3
Social Science Breadth	3	MOL BIOL 699 or Elective	3
MOL BIOL 699	1-4		
	16		**14**

Senior

Fall	Credits	Spring	Credits
Depth Coursework	3	Depth Coursework	3
Laboratory Course	2-4	MOL BIOL 699 or Elective	3
MOL BIOL 699 or Elective	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

[1] INTER-LS 210 L&S Career Development: Taking Initiative is an option, but not required for students pursuing the Molecular and Cell Biology major.

ADVISING AND CAREERS

ADVISING AND CAREERS

You must first make an appointment to meet with a Molecular and Cell Biology advisor using Starfish, based on your last name.

Students with last names beginning with A to M, see Catherine Auger (Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/11201/schedule))

Students with last names beginning with N to Z, see Pang Zoo Lee (Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/29759/schedule))

Students who intend to major in Molecular and Cell Biology may not combine this major ("double major") with the Biology or Biochemistry majors in either the College of Letters and Science or the College of Agricultural and Life Sciences (CALS).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

HILLDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIP

The Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-

research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 100 Hilldale awards are available each year. The student researcher receives $3,000, and the faculty/staff research advisor receives $1,000 to help offset research costs (e.g., supplies, faculty or student travel related to the project).

HOLSTROM ENVIRONMENTAL RESEARCH FELLOWSHIP

The Holstrom Environmental Research Fellowship (https://awards.advising.wisc.edu/all-scholarships/holstrom-enviromental-research-fellowship/) supports undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Research proposals must have an environmental focus, and applicants must have at least a junior standing at the time of application. Apply spring semester to fund work on the project during the summer or the following academic year.

SOPHOMORE RESEARCH FELLOWSHIP

Funded by grants from the Brittingham Fund and the Kemper K. Knapp Bequest, the Sophomore Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/sophomore-research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 15 awards are available.

UNDERGRADUATE RESEARCH SCHOLARS

The Undergraduate Research Scholars (https://urs.ls.wisc.edu/) (URS) program is dedicated to enhancing the academic experience of UW–Madison students by providing first- and second-year undergraduates with opportunities to earn credit for participating in research and creative work with UW–Madison faculty and staff. The program has been designed to include partnerships between students and mentors, seminars on research-relevant issues, and practice in research/artistic presentations. The many benefits of the program are found in the fluid interaction between these activities.

UNDERGRADUATE SYMPOSIUM

The annual Undergraduate Symposium (https://ugradsymposium.wisc.edu/) showcases undergraduate creativity, achievement, research, service-learning, and community-based research from all areas of study at UW–Madison, including the humanities, fine arts, biological sciences, physical sciences, and social sciences. This past year nearly 700 students presented, displayed, or performed their work for members of the university, the surrounding community, family, and friends.

WISCONSIN IDEA FELLOWSHIPS

Wisconsin Idea Fellowships (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/) are awarded annually to undergraduate student projects working toward solving a challenge identified along with local or global community partners. Fellowships are awarded to semester-long or year-long projects designed by an undergraduate student (or group of students) in collaboration with a community organization and a UW–Madison faculty or academic staff member.

NEUROBIOLOGY, BA

Neuroscience is the scientific study of the central (brain and spinal cord) and peripheral (nerves in body) nervous system. The Neurobiology major provides a rigorous education in neuroscience principles that prepares students for health-related, academic, and careers in health-related and scientific industries. Some of our graduates go on to consulting firms, law school, and nonprofit organizations. UW–Madison has more than 90 faculty engaged in neuroscience research. Undergraduates have access to this research faculty in formal classroom environments and through undergraduate research opportunities. Please see the Neurobiology major (https://neuromajor.wisc.edu) website for more information.
See what graduates of the Neurobiology major are doing now (https://neuromajor.wisc.edu/wp-content/uploads/sites/14/2024/03/Skills-and-Outcomes-NEUROBIOLOGY-major.pdf).

UNDERGRADUATE RESEARCH

Undergraduate Neurobiology students are fortunate to have the opportunity to work with some of the world's leading researchers. Many opportunities for laboratory research experience are available on campus for undergraduate students, and this type of experience is strongly encouraged. Such an experience provides students the opportunity to apply what they're learning and complement their knowledge with practical skills. Research experience is highly valued by employers, graduate programs, and professional schools. See the major website (https://neuromajor.wisc.edu/research/) for more information on how to get involved in undergraduate research.

ABOUT THE CURRICULUM

The curriculum is designed to give students a solid foundation in basic biology, chemistry, physics, and mathematics before going on to study neuroscience at the molecular, cellular, systems, and cognitive levels. It is strongly encouraged that students engage in independent research in a neuroscience laboratory on campus. The Neurobiology Major Steering Committee is committed to increasing opportunities for all students with interests in neuroscience and helping students accomplish their academic goals at UW–Madison. This major is tailored to attract students from a diverse array of backgrounds. Please see the Neurobiology Major website (https://neuromajor.wisc.edu) for more information.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students who intend to major in Neurobiology may not combine this major ("double major") with the Biology major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH, STATISTICS, CHEMISTRY & PHYSICS

Code	Title	Credits
Mathematics -complete one of the following:		**5**
MATH 211	Survey of Calculus 1	
MATH 217	Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Statistics -complete one of the following:		**3**
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 340	Data Science Modeling II	
STAT/B M I 541	Introduction to Biostatistics	
General Chemistry -complete one option:		**5-9**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry -complete one of the following:		**3-6**
CHEM 341	Elementary Organic Chemistry	
CHEM 343 & CHEM 345	Organic Chemistry I and Organic Chemistry II	
Physics - Choose a first and second semester physics option		**8-10**

First Semester General Physics Course - complete one course	
PHYSICS 103	General Physics
PHYSICS 201	General Physics
PHYSICS 207	General Physics
PHYSICS 247	A Modern Introduction to Physics
Second Semester General Physics Course - complete one course	
PHYSICS 104	General Physics
PHYSICS 202	General Physics
PHYSICS 208	General Physics
PHYSICS 248	A Modern Introduction to Physics
Total Credits	**24-33**

BIOLOGY AND NEUROBIOLOGY

Complete 30 credits from General Biology, Neurobiology, Lab/Research Experience and Additional Elective (if required) sections.

General Biology

Code	Title	Credits
Choose one option:		
Option A, Introductory Biology		*10*
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	
Option B, Biology Core Curriculum		*16-18*
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 383	Cellular Biology	
BIOCORE 485	Principles of Physiology	
BIOCORE 587	Biological Interactions	
Plus two from:		
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Option C, Animal Biology		*10*
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	

Neurobiology

Code	Title	Credits
Required Neurobiology Courses -complete all three		
ZOOLOGY/ PSYCH 523	Neurobiology	3
PSYCH 454	Behavioral Neuroscience	3
ZOOLOGY 500	Undergraduate Neurobiology Seminar	1
Distributed Neuroscience Coursework—choose 3 courses. Only one footnoted course may apply to this requirement.		**9**
ANAT&PHY 335	Physiology [1]	
ANAT&PHY 435	Fundamentals of Human Physiology [1]	
AN SCI/ DY SCI 373	Animal Physiology [1]	
BIOCHEM 501	Introduction to Biochemistry [1]	
BIOCHEM 508	General Biochemistry II [1]	
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease [1]	
B M E 520	Stem Cell Bioengineering [1]	
B M E 603	Special Topics in Bioinstrumentation and Medical Devices (Introduction to Neuroengineering)	
CS&D 210	Neural Basis of Communication	
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	
ED PSYCH 326	Mind, Brain and Education	
ED PSYCH 506	Contemporary Issues in Educational Psychology (Brain Behavioral Development)	
ED PSYCH 506	Contemporary Issues in Educational Psychology (Ed Neuroscience and Creativity)	
GENETICS 520	Neurogenetics	
KINES 531	Neural Control of Movement	
MED PHYS 651	Methods for Neuroimaging Research	
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	
NTP/ NEURODPT 640	Computational Neuroscience: From Single Cells to Whole Brain Models	
NTP 666	Neuroscience of Consciousness and its Disorders	
NTP 675	Special Topics (Functional Brain Imaging of Cognitive Disorders)	
NTP 675	Special Topics (Molecular Mechanisms of Brain Damage)	
NTP 675	Special Topics (Trauma and Physiology Therapy)	
NTP 675	Special Topics (Neuroendocrinology)	
NTP 675	Special Topics (Brain Mapping in Health and Disease: Applications)	
NTP 677	Basic Sleep Mechanisms and Sleep Disorders: from Neurobiology to Sleep Medicine	
PHARMACY 632	Neuroscience of Psychedelics	
PHM SCI 310	Drugs and Their Actions	
PHM SCI 521	Pharmacology I	

PSYCH 406	Psychology of Perception
PSYCH 414	Cognitive Psychology
PSYCH 505	Depth Topic in Biological Science (Cognitive Neuroscience: Bridging Mind and Brain)
PSYCH 513	Hormones, Brain, and Behavior
PSYCH 601	Current Topics in Psychology (Neural Basis of Cognitive Control)
PSYCH 601	Current Topics in Psychology (Neuropsychology and Development)
PSYCH 603	Epigenetics and the Brain
PSYCH 612	Neuropharmacology
ZOOLOGY 400	Topics in Biology (Brain Communication Evolution)
ZOOLOGY 400	Topics in Biology (Music and the Brain)
ZOOLOGY 400	Topics in Biology (Neuroscience and Society)
ZOOLOGY 400	Topics in Biology (Neural Movement Health Disease)
ZOOLOGY 400	Topics in Biology (Neuroanatomy and Systems)
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease
ZOOLOGY 470	Introduction to Animal Development [1]
ZOOLOGY 555	Laboratory in Developmental Biology
ZOOLOGY 603	Endocrinology
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab
ZOOLOGY 611	Comparative and Evolutionary Physiology
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind
ZOOLOGY 620	Neuroethology Seminar
ZOOLOGY 655	Modeling Neurodevelopmental Disease
ZOOLOGY/ NEURODPT/ PSYCH 674	Behavioral Neuroendocrinology Seminar

Lab/Research Experience

Students are only required to take 1 of the 3 options below; Directed Study (recommended), Neuroscience Laboratory Course or Honors/Senior Thesis.

Code	Title	Credits
1. Directed Study—3 credits from: [2]		
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
B M E 399	Independent Study	
BMOLCHEM 699	Special Research Problems	
CBE 699	Advanced Independent Studies	
CHEM 699	Directed Study	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
CS&D 699	Directed Study	
ED PSYCH 470	Research Experience in Educational Psychology	
ED PSYCH 699	Independent Reading Undergrad	
FAM MED 699	Directed Study	
GENETICS 699	Special Problems	
H ONCOL 699	Independent Study in Human Cancer Biology	
KINES 399	Independent Study	
KINES 699	Independent Study	
MED PHYS 699	Independent Reading or Research	
MEDICINE 699	Independent Study	
MED SC-V 669	Small Animal Cardiology Rotation	
M M & I 699	Directed Study	
MOL BIOL 699	Directed Studies in Molecular Biology	
NEURSURG 699	Neurosurgery: Directed in Study in Research	
NEUROL 699	Directed Research in Neurology	
NEURODPT 699	Directed Study	
NUTR SCI 699	Special Problems	
OBS&GYN 699	Directed Study	
ONCOLOGY 699	Special Research Problems	
OPHTHALM 699	Directed Study	
PATH 699	Independent Study	
PATH-BIO 699	Directed Study	
PEDIAT 699	Independent Study	
PHMCOL-M 699	Independent Study	
PHM SCI 699	Advanced Independent Study	
PHYSIOL 699	Independent Work	
POP HLTH 699	Independent Reading	
PSYCH 621	Mentored Research and Seminar	
PSYCH 699	Directed Study	
PSYCHIAT 699	Independent Study	
SURGERY 699	Independent Study	
SURG SCI 699	Directed Study	
ZOOLOGY 699	Directed Studies in Zoology	
2. Neuroscience Laboratory Course—one course:		
ANAT&PHY 435	Fundamentals of Human Physiology	
BIOCORE 486	Principles of Physiology Laboratory	
NTP/ NEURODPT 640	Computational Neuroscience: From Single Cells to Whole Brain Models	
ZOOLOGY 555	Laboratory in Developmental Biology	
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab	
ZOOLOGY 612	Comparative Physiology Laboratory	
3. Honors/Senior Thesis (two semesters):		

ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis
B M E 389 & B M E 489	Honors in Research and Honors in Research

Additional Electives (if needed)

Students may take additional credits from the list of Distributed Neuroscience Coursework, Independent/Directed study, or the following list, to attain 30 credits in the major:

Code	Title	Credits
ANAT&PHY 335	Physiology	
ANAT&PHY 337	Human Anatomy	
ANAT&PHY 338	Human Anatomy Laboratory	
AN SCI/ DY SCI 362	Veterinary Genetics	
AN SCI/ DY SCI 434	Reproductive Physiology	
AN SCI/ F&W ECOL/ ZOOLOGY 520	Ornithology	
AN SCI 610	Quantitative Genetics	
BIOCHEM 507	General Biochemistry I	
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	
BIOCHEM 601	Protein and Enzyme Structure and Function	
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	
F&W ECOL 401	Physiological Animal Ecology	
GENETICS 466	Principles of Genetics	
GENETICS 545	Genetics Laboratory	
GENETICS/ MD GENET 565	Human Genetics	
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology	
KINES 200	Introductory Neuroscience	
KINES 227	Introduction to Clinical Anatomy of Human Movement	
KINES 314	Physiology of Exercise	
M M & I 301	Pathogenic Bacteriology	
M M & I 341	Immunology	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
M M & I/ BIOCHEM 575	Biology of Viruses	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	
MICROBIO 470	Microbial Genetics & Molecular Machines	
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	
MICROBIO 526	Physiology of Microorganisms	
MICROBIO 527	Advanced Laboratory Techniques in Microbiology	
MICROBIO 551	Capstone Research Project in Microbiology	
PATH-BIO/ M M & I 528	Immunology	
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	
NTP 660	Neuroscience & Public Policy Seminar	
NUTR SCI 431	Nutrition in the Life Span	
NUTR SCI 631	Clinical Nutrition I	
ONCOLOGY 401	Introduction to Experimental Oncology	
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology	
PSYCH 449	Animal Behavior	
PSYCH 450	Primate Psychology: Insights into Human Behavior	
PSYCH 505	Depth Topic in Biological Science (Comparative Psychology: What Animals Think)	
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	
ZOOLOGY 425	Behavioral Ecology	
ZOOLOGY 430	Comparative Anatomy of Vertebrates	
ZOOLOGY 470	Introduction to Animal Development	
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology	
ZOOLOGY 570	Cell Biology	

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[3]
- 15 credits in in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Neurobiology Major in consultation with their Neurobiology undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Neurobiology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all major courses
- Complete 14 credits, taken for Honors, with individual grades of B or better, while in residence, to include:
  - Two courses from PSYCH 454, ZOOLOGY/PSYCH 523, and ZOOLOGY 500
  - One course from the Distributed Neuroscience course lists (above), taken for honors credit
  - A two-semester Senior Honors Thesis, for a total of 6 credits, from:

Code	Title	Credits
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
B M E 389 & B M E 489	Honors in Research and Honors in Research	
CHEM 681 & CHEM 682	Senior Honors Thesis and Senior Honors Thesis	
CS&D 681 & CS&D 682	Senior Honors Thesis and Senior Honors Thesis	
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis	
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2	
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis	
PSYCH 681 & PSYCH 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	

FOOTNOTES

[1] Students may apply only one course toward the DNS elective requirement

[2] Only Directed Study courses taken **after**—and not concurrent with—the completion of an Introductory Biology sequence are accepted in the major.

[3] Courses accepted in the major that are Intermediate or Advanced are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of basic concepts in biology, chemistry, mathematics, statistics, and physics.
2. Demonstrate understanding of the ionic basis for the neuronal membrane potential and action potential, and as well as the factors that determine neuronal excitability.
3. Demonstrate understanding of the basic mechanisms for synaptic transmission, neurotransmitter release, postsynaptic effects, and modulation of pre- and postsynaptic mechanisms. Predict how specific physiological and pathological conditions alter neuronal function at the cellular and synaptic levels.
4. Differentiate between examples of neuroplasticity at cellular, systems, and organismal levels.
5. Demonstrate understanding of central and peripheral neuroanatomy, basic functions of brain regions, and well-known neural pathways. Predict how localized disruptions of neuronal function alter behavior, motor function, or perception.
6. Demonstrate understanding of basic principles underlying motor function, sensory function (auditory, visual, touch, taste), emotion, autonomic regulation, and higher order cognitive functions (language, memory, attention, decision-making).
7. Demonstrate how experimental tools in neuroscience are used to address experimental questions, such as intra/extracellular recording, molecular biology techniques, immunohistochemical staining, fluorescent and electron microscopy, genetic manipulation, brain imaging, behavioral testing.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning,

including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

The grid below is a suggested plan for finishing your Neurobiology major in 4 years. Please see an advisor for more information, as you may have completed some of the requirements listed.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	MATH 221	5
Foreign Language (if required)	4	L&S Breadth	3
CHEM 103 or 109	4	CHEM 104	5
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151[1]	5	BIOLOGY/BOTANY/ ZOOLOGY 152	5
CHEM 343	3	CHEM 345	3
INTER-LS 210 (optional)	1	Social Science Breadth	3
Social Science Breadth	3	PHYSICS 207[2]	5
	12		**16**

Junior

Fall	Credits	Spring	Credits
Declare the Major[3]		PSYCH 454	3-4
ZOOLOGY/PSYCH 523	3	Distributed Neuroscience Course	2-4
STAT 371	3	L&S Breadth	3
L&S Breadth	3	Elective	3
PHYSICS 208	5	Lab Research	3
Lab Research[4]	3		
	17		**16**

Senior

Fall	Credits	Spring	Credits
Distributed Neuroscience Course	3-4	ZOOLOGY 500	1
Social Science Breadth	3	Distributed Neuroscience Course	3
Electives	6	L&S Breadth	3
Lab Research	3	Social Science Breadth	3
		Lab Research	3
	16		**13**

Total Credits 120

1 There are several options for fulfilling the introductory biology requirement. See listed Requirements.

2 There are several options for fulfilling the Physics requirement. See listed Requirements.

3 Students must declare a major by the time they reach 86 credits.

4 It is recommended that students in the Neurobiology major participate in multiple semesters of research.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

You must first make an appointment to meet with a Neurobiology advisor; use the Starfish link for the advisor based on your last name.

Students majoring in Neurobiology may not combine this major with the Biology major in either the College of Agricultural and Life Sciences or in the College of Letters and Science.

Students with last names beginning with A-Kh, see Bob Wiedenhoeft.
Students with last names beginning with Ki-N, see Catherine Auger.
Students with last names beginning with O-Z, see India Viola.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

NEUROBIOLOGY, BS

Neuroscience is the scientific study of the central (brain and spinal cord) and peripheral (nerves in body) nervous system. The Neurobiology major provides a rigorous education in neuroscience principles that prepares students for health-related, academic, and careers in health-related and scientific industries. Some of our graduates go on to consulting firms, law school, and nonprofit organizations. UW–Madison has more than 90 faculty engaged in neuroscience research. Undergraduates have access to this research faculty in formal classroom environments and through undergraduate research opportunities. Please see the Neurobiology major (https://neuromajor.wisc.edu) website for more information.
See what graduates of the Neurobiology major are doing now (https://neuromajor.wisc.edu/wp-content/uploads/sites/14/2024/03/Skills-and-Outcomes-NEUROBIOLOGY-major.pdf).

UNDERGRADUATE RESEARCH

Undergraduate Neurobiology students are fortunate to have the opportunity to work with some of the world's leading researchers. Many opportunities for laboratory research experience are available on campus for undergraduate students, and this type of experience is strongly encouraged. Such an experience provides students the opportunity to apply what they're learning and complement their knowledge with practical skills. Research experience is highly valued by employers, graduate programs, and professional schools. See the major website (https://neuromajor.wisc.edu/research/) for more information on how to get involved in undergraduate research.

ABOUT THE CURRICULUM

The curriculum is designed to give students a solid foundation in basic biology, chemistry, physics, and mathematics before going on to study neuroscience at the molecular, cellular, systems, and cognitive levels. It is strongly encouraged that students engage in independent research in a neuroscience laboratory on campus. The Neurobiology Major Steering Committee is committed to increasing opportunities for all students with interests in neuroscience and helping students accomplish their academic goals at UW–Madison. This major is tailored to attract students from a diverse array of backgrounds. Please see the Neurobiology Major website (https://neuromajor.wisc.edu) for more information.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students who intend to major in Neurobiology may not combine this major ("double major") with the Biology major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH, STATISTICS, CHEMISTRY & PHYSICS

Code	Title	Credits
Mathematics -complete one of the following:		**5**
MATH 211	Survey of Calculus 1	
MATH 217	Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Statistics -complete one of the following:		**3**
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 340	Data Science Modeling II	
STAT/B M I 541	Introduction to Biostatistics	
General Chemistry -complete one option:		**5-9**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry -complete one of the following:		**3-6**
CHEM 341	Elementary Organic Chemistry	
CHEM 343 & CHEM 345	Organic Chemistry I and Organic Chemistry II	
Physics - Choose a first and second semester physics option		**8-10**
First Semester General Physics Course - complete one course		
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
PHYSICS 247	A Modern Introduction to Physics	
Second Semester General Physics Course - complete one course		
PHYSICS 104	General Physics	
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
PHYSICS 248	A Modern Introduction to Physics	
Total Credits		**24-33**

BIOLOGY AND NEUROBIOLOGY

Complete 30 credits from General Biology, Neurobiology, Lab/Research Experience and Additional Elective (if required) sections.

General Biology

Code	Title	Credits
Choose one option:		
Option A, Introductory Biology		*10*
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology	
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	
Option B, Biology Core Curriculum		*16-18*
BIOCORE 381	Evolution, Ecology, and Genetics	
BIOCORE 383	Cellular Biology	
BIOCORE 485	Principles of Physiology	
BIOCORE 587	Biological Interactions	
Plus two from:		
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Option C, Animal Biology		*10*
ZOOLOGY/ BIOLOGY 101	Animal Biology	
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory	
BOTANY/ BIOLOGY 130	General Botany	

Neurobiology

Code	Title	Credits
Required Neurobiology Courses -complete all three		
ZOOLOGY/ PSYCH 523	Neurobiology	3
PSYCH 454	Behavioral Neuroscience	3
ZOOLOGY 500	Undergraduate Neurobiology Seminar	1
Distributed Neuroscience Coursework—choose 3 courses. Only one footnoted course may apply to this requirement.		**9**
ANAT&PHY 335	Physiology [1]	
ANAT&PHY 435	Fundamentals of Human Physiology [1]	
AN SCI/ DY SCI 373	Animal Physiology [1]	
BIOCHEM 501	Introduction to Biochemistry [1]	
BIOCHEM 508	General Biochemistry II [1]	
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease [1]	
B M E 520	Stem Cell Bioengineering [1]	
B M E 603	Special Topics in Bioinstrumentation and Medical Devices (Introduction to Neuroengineering)	
CS&D 210	Neural Basis of Communication	
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	
ED PSYCH 326	Mind, Brain and Education	

ED PSYCH 506	Contemporary Issues in Educational Psychology (Brain Behavioral Development)
ED PSYCH 506	Contemporary Issues in Educational Psychology (Ed Neuroscience and Creativity)
GENETICS 520	Neurogenetics
KINES 531	Neural Control of Movement
MED PHYS 651	Methods for Neuroimaging Research
NEURODPT 629	Molecular and Cellular Mechanisms of Memory
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience
NTP/ NEURODPT 640	Computational Neuroscience: From Single Cells to Whole Brain Models
NTP 666	Neuroscience of Consciousness and its Disorders
NTP 675	Special Topics (Functional Brain Imaging of Cognitive Disorders)
NTP 675	Special Topics (Molecular Mechanisms of Brain Damage)
NTP 675	Special Topics (Trauma and Physiology Therapy)
NTP 675	Special Topics (Neuroendocrinology)
NTP 675	Special Topics (Brain Mapping in Health and Disease: Applications)
NTP 677	Basic Sleep Mechanisms and Sleep Disorders: from Neurobiology to Sleep Medicine
PHARMACY 632	Neuroscience of Psychedelics
PHM SCI 310	Drugs and Their Actions
PHM SCI 521	Pharmacology I
PSYCH 406	Psychology of Perception
PSYCH 414	Cognitive Psychology
PSYCH 505	Depth Topic in Biological Science (Cognitive Neuroscience: Bridging Mind and Brain)
PSYCH 513	Hormones, Brain, and Behavior
PSYCH 601	Current Topics in Psychology (Neural Basis of Cognitive Control)
PSYCH 601	Current Topics in Psychology (Neuropsychology and Development)
PSYCH 603	Epigenetics and the Brain
PSYCH 612	Neuropharmacology
ZOOLOGY 400	Topics in Biology (Brain Communication Evolution)
ZOOLOGY 400	Topics in Biology (Music and the Brain)
ZOOLOGY 400	Topics in Biology (Neuroscience and Society)
ZOOLOGY 400	Topics in Biology (Neural Movement Health Disease)
ZOOLOGY 400	Topics in Biology (Neuroanatomy and Systems)
ZOOLOGY 444	Neuronal Cell Biology in Health and Disease
ZOOLOGY 470	Introduction to Animal Development [1]
ZOOLOGY 555	Laboratory in Developmental Biology
ZOOLOGY 603	Endocrinology
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab
ZOOLOGY 611	Comparative and Evolutionary Physiology
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind
ZOOLOGY 620	Neuroethology Seminar
ZOOLOGY 655	Modeling Neurodevelopmental Disease
ZOOLOGY/ NEURODPT/ PSYCH 674	Behavioral Neuroendocrinology Seminar

Lab/Research Experience

Students are only required to take 1 of the 3 options below; Directed Study (recommended), Neuroscience Laboratory Course or Honors/Senior Thesis.

Code	Title	Credits
1. Directed Study—3 credits from: [2]		
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
B M E 399	Independent Study	
BMOLCHEM 699	Special Research Problems	
CBE 699	Advanced Independent Studies	
CHEM 699	Directed Study	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
CS&D 699	Directed Study	
ED PSYCH 470	Research Experience in Educational Psychology	
ED PSYCH 699	Independent Reading Undergrad	
FAM MED 699	Directed Study	
GENETICS 699	Special Problems	
H ONCOL 699	Independent Study in Human Cancer Biology	
KINES 399	Independent Study	
KINES 699	Independent Study	
MED PHYS 699	Independent Reading or Research	
MEDICINE 699	Independent Study	
MED SC-V 669	Small Animal Cardiology Rotation	
M M & I 699	Directed Study	

MOL BIOL 699	Directed Studies in Molecular Biology
NEURSURG 699	Neurosurgery: Directed in Study in Research
NEUROL 699	Directed Research in Neurology
NEURODPT 699	Directed Study
NUTR SCI 699	Special Problems
OBS&GYN 699	Directed Study
ONCOLOGY 699	Special Research Problems
OPHTHALM 699	Directed Study
PATH 699	Independent Study
PATH-BIO 699	Directed Study
PEDIAT 699	Independent Study
PHMCOL-M 699	Independent Study
PHM SCI 699	Advanced Independent Study
PHYSIOL 699	Independent Work
POP HLTH 699	Independent Reading
PSYCH 621	Mentored Research and Seminar
PSYCH 699	Directed Study
PSYCHIAT 699	Independent Study
SURGERY 699	Independent Study
SURG SCI 699	Directed Study
ZOOLOGY 699	Directed Studies in Zoology
2. Neuroscience Laboratory Course—one course:	
ANAT&PHY 435	Fundamentals of Human Physiology
BIOCORE 486	Principles of Physiology Laboratory
NTP/ NEURODPT 640	Computational Neuroscience: From Single Cells to Whole Brain Models
ZOOLOGY 555	Laboratory in Developmental Biology
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab
ZOOLOGY 612	Comparative Physiology Laboratory
3. Honors/Senior Thesis (two semesters):	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis
B M E 389 & B M E 489	Honors in Research and Honors in Research

Additional Electives (if needed)

Students may take additional credits from the list of Distributed Neuroscience Coursework, Independent/Directed study, or the following list, to attain 30 credits in the major:

Code	Title	Credits
ANAT&PHY 335	Physiology	
ANAT&PHY 337	Human Anatomy	
ANAT&PHY 338	Human Anatomy Laboratory	
AN SCI/ DY SCI 362	Veterinary Genetics	
AN SCI/ DY SCI 434	Reproductive Physiology	
AN SCI/ F&W ECOL/ ZOOLOGY 520	Ornithology	
AN SCI 610	Quantitative Genetics	
BIOCHEM 507	General Biochemistry I	
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	
BIOCHEM 601	Protein and Enzyme Structure and Function	
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	
F&W ECOL 401	Physiological Animal Ecology	
GENETICS 466	Principles of Genetics	
GENETICS 545	Genetics Laboratory	
GENETICS/ MD GENET 565	Human Genetics	
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology	
KINES 200	Introductory Neuroscience	
KINES 227	Introduction to Clinical Anatomy of Human Movement	
KINES 314	Physiology of Exercise	
M M & I 301	Pathogenic Bacteriology	
M M & I 341	Immunology	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
M M & I/ BIOCHEM 575	Biology of Viruses	
MICROBIO 303	Biology of Microorganisms	
MICROBIO 304	Biology of Microorganisms Laboratory	
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	
MICROBIO 470	Microbial Genetics & Molecular Machines	
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	
MICROBIO 526	Physiology of Microorganisms	
MICROBIO 527	Advanced Laboratory Techniques in Microbiology	
MICROBIO 551	Capstone Research Project in Microbiology	
PATH-BIO/ M M & I 528	Immunology	
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	

NTP/NEURODPT/ PSYCH 611	Systems Neuroscience
NTP 660	Neuroscience & Public Policy Seminar
NUTR SCI 431	Nutrition in the Life Span
NUTR SCI 631	Clinical Nutrition I
ONCOLOGY 401	Introduction to Experimental Oncology
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology
PSYCH 449	Animal Behavior
PSYCH 450	Primate Psychology: Insights into Human Behavior
PSYCH 505	Depth Topic in Biological Science (Comparative Psychology: What Animals Think)
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology
ZOOLOGY 425	Behavioral Ecology
ZOOLOGY 430	Comparative Anatomy of Vertebrates
ZOOLOGY 470	Introduction to Animal Development
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology
ZOOLOGY 570	Cell Biology

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[3]
- 15 credits in in the major, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Neurobiology Major in consultation with their Neurobiology undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Neurobiology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all major courses
- Complete 14 credits, taken for Honors, with individual grades of B or better, while in residence, to include:
  - Two courses from PSYCH 454, ZOOLOGY/PSYCH 523, and ZOOLOGY 500
  - One course from the Distributed Neuroscience course lists (above), taken for honors credit
  - A two-semester Senior Honors Thesis, for a total of 6 credits, from:

Code	Title	Credits
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
B M E 389 & B M E 489	Honors in Research and Honors in Research	
CHEM 681 & CHEM 682	Senior Honors Thesis and Senior Honors Thesis	
CS&D 681 & CS&D 682	Senior Honors Thesis and Senior Honors Thesis	
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis	
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2	
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis	
PSYCH 681 & PSYCH 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	

FOOTNOTES

1 Students may apply only one course toward the DNS elective requirement

2 Only Directed Study courses taken **after**—and not concurrent with—the completion of an Introductory Biology sequence are accepted in the major.

3 Courses accepted in the major that are Intermediate or Advanced are considered upper-level in this major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of basic concepts in biology, chemistry, mathematics, statistics, and physics.
2. Demonstrate understanding of the ionic basis for the neuronal membrane potential and action potential, and as well as the factors that determine neuronal excitability.
3. Demonstrate understanding of the basic mechanisms for synaptic transmission, neurotransmitter release, postsynaptic effects, and modulation of pre- and postsynaptic mechanisms. Predict how specific physiological and pathological conditions alter neuronal function at the cellular and synaptic levels.
4. Differentiate between examples of neuroplasticity at cellular, systems, and organismal levels.
5. Demonstrate understanding of central and peripheral neuroanatomy, basic functions of brain regions, and well-known neural pathways. Predict how localized disruptions of neuronal function alter behavior, motor function, or perception.
6. Demonstrate understanding of basic principles underlying motor function, sensory function (auditory, visual, touch, taste), emotion, autonomic regulation, and higher order cognitive functions (language, memory, attention, decision-making).
7. Demonstrate how experimental tools in neuroscience are used to address experimental questions, such as intra/extracellular recording, molecular biology techniques, immunohistochemical staining, fluorescent and electron microscopy, genetic manipulation, brain imaging, behavioral testing.

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Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	MATH 221	5
Foreign Language (if required)	4	L&S Breadth	3
CHEM 103 or 109	4	CHEM 104	5
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151[1]	5	BIOLOGY/BOTANY/ ZOOLOGY 152	5
CHEM 343	3	CHEM 345	3
INTER-LS 210 (optional)	1	Social Science Breadth	3
Social Science Breadth	3	PHYSICS 207[2]	5
	12		**16**

Junior

Fall	Credits	Spring	Credits
Declare the Major[3]		PSYCH 454	3-4
ZOOLOGY/PSYCH 523	3	Distributed Neuroscience Course	2-4
STAT 371	3	L&S Breadth	3
L&S Breadth	3	Elective	3
PHYSICS 208	5	Lab Research	3
Lab Research[4]	3		
	17		**16**

Senior

Fall	Credits	Spring	Credits
Distributed Neuroscience Course	3-4	ZOOLOGY 500	1
Social Science Breadth	3	Distributed Neuroscience Course	3
Electives	6	L&S Breadth	3
Lab Research	3	Social Science Breadth	3
		Lab Research	3
	16		**13**

Total Credits 120

1 There are several options for fulfilling the introductory biology requirement. See listed Requirements.
2 There are several options for fulfilling the Physics requirement. See listed Requirements.
3 Students must declare a major by the time they reach 86 credits.
4 It is recommended that students in the Neurobiology major participate in multiple semesters of research.

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Students with last names beginning with O-Z, see India Viola.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ZOOLOGY, BA

The Zoology major is a gateway to the diverse areas of modern biology with a focus on animal biology. The major can be tailored to prepare students for advanced study and careers in many different areas: veterinary medicine; health professions and public health; law; life sciences research in university, government, and industrial settings; education including museum, nature center, secondary and college education; biotechnology; and environmental studies.

Students in the Zoology major have the flexibility to focus on various areas in biological science, including:

- ecology, evolution, and animal behavior;
- anatomy, physiology, and organismal biology;
- and cellular, molecular, and developmental biology.

Students in Zoology learn about aquatic ecosystems, vertebrate anatomy, identifying various birds, and the development of animals.

The department encourages undergraduate participation in research and offers summer research scholarships (https://integrativebiology.wisc.edu/undergraduate-student-scholarships/) to outstanding students.

The Zoology major emphasizes critical thinking and conceptual skills that come from an understanding of how scientific information is obtained and evaluated, and of how this information can be applied to societal issues. The major provides a solid foundation in genetic, cellular, physiological, ecological, and evolutionary principles, and in the related disciplines of chemistry, physics, and mathematics. As a result, the major fosters an understanding of biological complexity including the interrelationships among humans and natural systems.

The unique characteristics of the zoology major include:

- broad-based, yet integrated training in wide-ranging areas of biology;
- solid foundation of basic principles and processes in biology;
- flexibility and advising needed to allow students to tailor the major to their specific goals;
- wide range of opportunities for undergraduate involvement in independent research and senior thesis.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH, CHEMISTRY & PHYSICS

Code	Title	Credits
Math—complete one:		**4-10**
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211	Survey of Calculus 1	
Chemistry—complete one:		**5-9**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Physics—complete one:		**8-10**
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	
Total Credits		**17-29**

BIOLOGY AND ZOOLOGY

Complete 30 credits from the sections below.

Introductory Biology

Code	Title	Credits
Option 1: Introductory Biology		**10**
ZOOLOGY/ BIOLOGY/ BOTANY 151 & ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology and Introductory Biology	
Option 2: BIOCORE—complete both:		**10**
BIOCORE 381 & BIOCORE 382	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383 & BIOCORE 384	Cellular Biology and Cellular Biology Laboratory	
Option 3: Animal Biology [1]		**5**
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	
Total Credits		**5-10**

[1] BOTANY/BIOLOGY 130 is recommended, but not required for students pursuing Option 3 (Animal Biology).

Electives

Code	Title	Credits
ZOOLOGY 299	Directed Studies in Zoology	
ZOOLOGY 300	Invertebrate Biology and Evolution	
ZOOLOGY 301	Invertebrate Biology and Evolution Lab	
ZOOLOGY/ ENTOM 302	Introduction to Entomology	
ZOOLOGY 303	Aquatic Invertebrate Biology	
ZOOLOGY 304	Marine Biology	
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	
ZOOLOGY 320	Field Marine Biology	
ZOOLOGY/ F&W ECOL 335	Human/Animal Relationships: Biological and Philosophical Issues	
ZOOLOGY/ ENTOM/M M & I/ PATH-BIO 350	Parasitology	
ZOOLOGY/ ENVIR ST/ F&W ECOL 360	Extinction of Species	
ZOOLOGY 370	General Molecular Biology	
ZOOLOGY/ ENTOM 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	
ZOOLOGY 400	Topics in Biology	
ZOOLOGY 401	Topics in Biology	
ZOOLOGY 405	Introduction to Museum Studies in the Natural Sciences	
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	
ZOOLOGY 415	Genetics of Human History	
ZOOLOGY 425	Behavioral Ecology	
ZOOLOGY 430	Comparative Anatomy of Vertebrates	
ZOOLOGY/ BOTANY 450	Midwestern Ecological Issues: A Case Study Approach	
ZOOLOGY/ BOTANY/ F&W ECOL 460	General Ecology	
ZOOLOGY 470	Introduction to Animal Development	
ZOOLOGY/ BOTANY/ ENTOM 473	Plant-Insect Interactions	
ZOOLOGY 500	Undergraduate Neurobiology Seminar	
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab	
ZOOLOGY/ BOTANY/ ENVIR ST/ F&W ECOL 516	Conservation Biology	
ZOOLOGY/ AN SCI/ F&W ECOL 520	Ornithology	
ZOOLOGY/ AN SCI/ F&W ECOL 521	Birds of Southern Wisconsin	
ZOOLOGY/ PSYCH 523	Neurobiology	
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology	
ZOOLOGY 555	Laboratory in Developmental Biology	
ZOOLOGY/ F&W ECOL/ LAND ARC 565	Principles of Landscape Ecology	
ZOOLOGY 570	Cell Biology	
ZOOLOGY 603	Endocrinology	
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab	
ZOOLOGY 611	Comparative and Evolutionary Physiology	
ZOOLOGY 612	Comparative Physiology Laboratory	
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind	
ZOOLOGY 620	Neuroethology Seminar	
ZOOLOGY/ ENTOM/ GENETICS 624	Molecular Ecology	
ZOOLOGY 655	Modeling Neurodevelopmental Disease	
ZOOLOGY/ F&W ECOL 660	Climate Change Ecology	
ZOOLOGY/ BOTANY/ F&W ECOL 672	Historical Ecology	
ZOOLOGY/ NEURODPT/ PSYCH 674	Behavioral Neuroendocrinology Seminar	
ZOOLOGY 677	Internship in Ecology	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis	
ZOOLOGY 698	Directed Study	
ZOOLOGY 699	Directed Studies in Zoology	
ANAT&PHY 335	Physiology [1]	
ANAT&PHY 338	Human Anatomy Laboratory	
ANTHRO 458	Primate Behavioral Ecology	
ANTHRO 668	Primate Conservation	
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507	General Biochemistry I	
BOTANY 330	Algae	
ENTOM 331	Taxonomy of Mature Insects	
ENTOM 450	Basic and Applied Insect Ecology	

ENVIR ST/ LAND ARC 361	Wetlands Ecology
ENVIR ST 375	Field Ecology Workshop
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology
F&W ECOL/ SURG SCI 548	Diseases of Wildlife
GENETICS 466	Principles of Genetics
GENETICS 545	Genetics Laboratory
MICROBIO 303	Biology of Microorganisms
MICROBIO 304	Biology of Microorganisms Laboratory
MICROBIO 345	Introduction to Disease Biology
M M & I 341	Immunology
M M & I/PATH-BIO 528	Immunology
PSYCH 449	Animal Behavior
PSYCH 450	Primate Psychology: Insights into Human Behavior
PSYCH 454	Behavioral Neuroscience
PSYCH 513	Hormones, Brain, and Behavior
Total Credits	**20-25**

A maximum of 6 credits of approved non-ZOOLOGY subject courses count toward the 30 credits required for the major. Students can take ZOOLOGY/BIOLOGY 101 Animal Biology and ZOOLOGY/BIOLOGY 102 Animal Biology Laboratory for the Introductory Biology requirement is recommended for students who complete this sequence.

[1] Only 3 credits of ANAT&PHY 335 Physiology count toward the 6 credits of approved non-ZOOLOGY subject courses.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ZOOLOGY and major courses
- 2.000 GPA on 15 Upper Level major credits, taken in Residence [1]
- 15 credits in ZOOLOGY, or courses that count for the major, taken on the UW–Madison campus

[1] ZOOLOGY 299–699, intermediate/advanced BIOCORE, and courses that count toward the major that have an intermediate/advanced designation are considered Upper Level in the major.

HONORS IN THE ZOOLOGY MAJOR

To earn Honors in the Major in Zoology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all courses that count toward the major
- Complete 12 credits, taken for Honors, with individual grades of B or better. Select 6 credits from ZOOLOGY 300-680 or approved non-ZOOLOGY subject courses (above).
- Complete ZOOLOGY 681 and ZOOLOGY 682, for a total of 6 credits.[1]

[1] A written thesis proposal must be approved by the thesis mentor and a department advisor. While most theses are completed during the fall and spring of a student's senior year, other combinations of terms are possible. More information about the proposal process, timing, and grading of a thesis can be found on the Department of Integrative Biology website.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Connect and describe the concepts that make up the structure and function of all living things through the principles of genetics, cellular biology, and physiology.
2. Demonstrate an understanding of the diversity of life through the principles of evolution.
3. Make connections between organisms, their habitats, and systems through the principles of ecology.
4. Make connections between the biological sciences to humans and ecological systems and appreciate the complexity of these systems.
5. Identify, think through, and solve a problem using quantitative reasoning and critical thinking skills.
6. Develop an ability to plan and carry out scientific experiments by obtaining and evaluating scientific information and effectively communicating information through oral and written presentations.
7. Understand current issues in biology and apply scientific knowledge to societal issues.
8. Make connections between self and natural world, and personal responsibility with social issues.
9. Develop a sense of competence in the field of study through research experiences and written and oral communication of findings.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 112, 114, or 171	3-5	MATH 113 or 217	3-5
Communication A[1]	3	L&S Breadth	3
Foreign Language (if required)	3-4	Social Science Breadth	3
	14		**14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 151[1]	5	ZOOLOGY/BIOLOGY/ BOTANY 152 (Satisfies Communication B)[1]	5
Ethnic Studies	3	L&S Breadth	3
INTER-LS 210	1	Social Science Breadth	3
Social Science Breadth	3	Elective	3
Elective	4		
	16		**14**

Junior

Fall	Credits	Spring	Credits
PHYSICS 103, 201, or 207	4-5	PHYSICS 104, 202, or 208	4-5
I/A COMP SCI, MATH, or STAT (if required for the BS)	3-5	I/A COMP SCI, MATH, or STAT (required for the BS)	3-5
I/A ZOOLOGY	3-6	I/A ZOOLOGY	4
Elective	3	L&S Breadth	3
	16		**14**

Senior

Fall	Credits	Spring	Credits
I/A ZOOLOGY	3-4	I/A ZOOLOGY	3-4
Elective	3-4	I/A ZOOLOGY	3-4
L&S Breadth	3	Elective	6
Elective	3-6	Social Science Breadth	3
	17		**15**

Total Credits 120

[1] Students can take ZOOLOGY/BIOLOGY 101 Animal Biology and ZOOLOGY/BIOLOGY 102 Animal Biology Laboratory for the Introductory Biology requirement is recommended for students who complete this sequence.

Student may also satisfy Introductory Biology with BIOCORE. Consult the advisor for the program regarding this option.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Zoology Major website (https://integrativebiology.wisc.edu/undergraduate-programs/zoology-major/).

DIRECTED STUDY

The Zoology major is an excellent choice for students interested in an undergraduate research experience.

Directed Studies allows students to gain experience in a wide range of research areas in biology and to learn research techniques that are not easily taught in the classroom. Such experiences allow students to make more informed decisions about their future goals and careers. Before students can enroll in Directed Study, they must set up an appointment with a professor/mentor of their choice.

Students interested in doing in-depth research as undergraduates in an area of interest can elect to do a Senior Thesis or Senior Honors Thesis. Students should contact a department advisor at the beginning of their junior year to explore possible research areas.

Senior Thesis

Students interested in making a longer term commitment to a research project may consider undertaking a Senior Thesis. Students should contact a department advisor during their junior year to explore possible research areas in zoology.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ZOOLOGY, BS

The Zoology major is a gateway to the diverse areas of modern biology with a focus on animal biology. The major can be tailored to prepare students for advanced study and careers in many different areas: veterinary medicine; health professions and public health; law; life sciences research in university, government, and industrial settings; education including museum, nature center, secondary and college education; biotechnology; and environmental studies.

Students in the Zoology major have the flexibility to focus on various areas in biological science, including:

- ecology, evolution, and animal behavior;
- anatomy, physiology, and organismal biology;
- and cellular, molecular, and developmental biology.

Students in Zoology learn about aquatic ecosystems, vertebrate anatomy, identifying various birds, and the development of animals.

The department encourages undergraduate participation in research and offers summer research scholarships (https://integrativebiology.wisc.edu/undergraduate-student-scholarships/) to outstanding students.

The Zoology major emphasizes critical thinking and conceptual skills that come from an understanding of how scientific information is obtained and evaluated, and of how this information can be applied to societal issues. The major provides a solid foundation in genetic, cellular, physiological, ecological, and evolutionary principles, and in the related disciplines of chemistry, physics, and mathematics. As a result, the major fosters an understanding of biological complexity including the interrelationships among humans and natural systems.

The unique characteristics of the zoology major include:

- broad-based, yet integrated training in wide-ranging areas of biology;
- solid foundation of basic principles and processes in biology;
- flexibility and advising needed to allow students to tailor the major to their specific goals;
- wide range of opportunities for undergraduate involvement in independent research and senior thesis.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.

L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATH, CHEMISTRY & PHYSICS

Code	Title	Credits
Math—complete one:		**4-10**
MATH 112 & MATH 113	College Algebra and Trigonometry	
MATH 114	Precalculus	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 211	Survey of Calculus 1	
Chemistry—complete one:		**5-9**
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
Physics—complete one:		**8-10**
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	
Total Credits		**17-29**

BIOLOGY AND ZOOLOGY

Complete 30 credits from the sections below.

Introductory Biology

Code	Title	Credits
Option 1: Introductory Biology		**10**
ZOOLOGY/ BIOLOGY/ BOTANY 151 & ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology and Introductory Biology	
Option 2: BIOCORE—complete both:		**10**
BIOCORE 381 & BIOCORE 382	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory	
BIOCORE 383 & BIOCORE 384	Cellular Biology and Cellular Biology Laboratory	
Option 3: Animal Biology [1]		**5**
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102	Animal Biology and Animal Biology Laboratory	
Total Credits		**5-10**

[1] BOTANY/BIOLOGY 130 is recommended, but not required for students pursuing Option 3 (Animal Biology).

Electives

Code	Title	Credits
ZOOLOGY 299	Directed Studies in Zoology	
ZOOLOGY 300	Invertebrate Biology and Evolution	
ZOOLOGY 301	Invertebrate Biology and Evolution Lab	
ZOOLOGY/ ENTOM 302	Introduction to Entomology	
ZOOLOGY 303	Aquatic Invertebrate Biology	
ZOOLOGY 304	Marine Biology	
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	
ZOOLOGY 320	Field Marine Biology	
ZOOLOGY/ F&W ECOL 335	Human/Animal Relationships: Biological and Philosophical Issues	
ZOOLOGY/ ENTOM/M M & I/ PATH-BIO 350	Parasitology	
ZOOLOGY/ ENVIR ST/ F&W ECOL 360	Extinction of Species	
ZOOLOGY 370	General Molecular Biology	
ZOOLOGY/ ENTOM 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	
ZOOLOGY 400	Topics in Biology	
ZOOLOGY 401	Topics in Biology	

ZOOLOGY 405	Introduction to Museum Studies in the Natural Sciences
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology
ZOOLOGY 415	Genetics of Human History
ZOOLOGY 425	Behavioral Ecology
ZOOLOGY 430	Comparative Anatomy of Vertebrates
ZOOLOGY/ BOTANY 450	Midwestern Ecological Issues: A Case Study Approach
ZOOLOGY/ BOTANY/ F&W ECOL 460	General Ecology
ZOOLOGY 470	Introduction to Animal Development
ZOOLOGY/ BOTANY/ ENTOM 473	Plant-Insect Interactions
ZOOLOGY 500	Undergraduate Neurobiology Seminar
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab
ZOOLOGY/ BOTANY/ ENVIR ST/ F&W ECOL 516	Conservation Biology
ZOOLOGY/ AN SCI/ F&W ECOL 520	Ornithology
ZOOLOGY/ AN SCI/ F&W ECOL 521	Birds of Southern Wisconsin
ZOOLOGY/ PSYCH 523	Neurobiology
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology
ZOOLOGY 555	Laboratory in Developmental Biology
ZOOLOGY/ F&W ECOL/ LAND ARC 565	Principles of Landscape Ecology
ZOOLOGY 570	Cell Biology
ZOOLOGY 603	Endocrinology
ZOOLOGY 604	Computer-based Gene and Disease/Disorder Research Lab
ZOOLOGY 611	Comparative and Evolutionary Physiology
ZOOLOGY 612	Comparative Physiology Laboratory
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind
ZOOLOGY 620	Neuroethology Seminar
ZOOLOGY/ ENTOM/ GENETICS 624	Molecular Ecology
ZOOLOGY 655	Modeling Neurodevelopmental Disease
ZOOLOGY/ F&W ECOL 660	Climate Change Ecology
ZOOLOGY/ BOTANY/ F&W ECOL 672	Historical Ecology
ZOOLOGY/ NEURODPT/ PSYCH 674	Behavioral Neuroendocrinology Seminar
ZOOLOGY 677	Internship in Ecology
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis
ZOOLOGY 698	Directed Study
ZOOLOGY 699	Directed Studies in Zoology
ANAT&PHY 335	Physiology [1]
ANAT&PHY 338	Human Anatomy Laboratory
ANTHRO 458	Primate Behavioral Ecology
ANTHRO 668	Primate Conservation
BIOCHEM 501	Introduction to Biochemistry
BIOCHEM 507	General Biochemistry I
BOTANY 330	Algae
ENTOM 331	Taxonomy of Mature Insects
ENTOM 450	Basic and Applied Insect Ecology
ENVIR ST/ LAND ARC 361	Wetlands Ecology
ENVIR ST 375	Field Ecology Workshop
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology
F&W ECOL/ SURG SCI 548	Diseases of Wildlife
GENETICS 466	Principles of Genetics
GENETICS 545	Genetics Laboratory
MICROBIO 303	Biology of Microorganisms
MICROBIO 304	Biology of Microorganisms Laboratory
MICROBIO 345	Introduction to Disease Biology
M M & I 341	Immunology
M M & I/PATH-BIO 528	Immunology
PSYCH 449	Animal Behavior
PSYCH 450	Primate Psychology: Insights into Human Behavior
PSYCH 454	Behavioral Neuroscience
PSYCH 513	Hormones, Brain, and Behavior
Total Credits	**20-25**

A maximum of 6 credits of approved non-ZOOLOGY subject courses count toward the 30 credits required for the major. Students can take ZOOLOGY/BIOLOGY 101 Animal Biology and ZOOLOGY/BIOLOGY 102 Animal Biology Laboratory for the Introductory Biology requirement is recommended for students who complete this sequence.

[1] Only 3 credits of ANAT&PHY 335 Physiology count toward the 6 credits of approved non-ZOOLOGY subject courses.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ZOOLOGY and major courses
- 2.000 GPA on 15 Upper Level major credits, taken in Residence [1]
- 15 credits in ZOOLOGY, or courses that count for the major, taken on the UW–Madison campus

[1] ZOOLOGY 299–699, intermediate/advanced BIOCORE, and courses that count toward the major that have an intermediate/advanced designation are considered Upper Level in the major.

HONORS IN THE ZOOLOGY MAJOR

To earn Honors in the Major in Zoology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all courses that count toward the major
- Complete 12 credits, taken for Honors, with individual grades of B or better. Select 6 credits from ZOOLOGY 300-680 or approved non-ZOOLOGY subject courses (above).
- Complete ZOOLOGY 681 and ZOOLOGY 682, for a total of 6 credits.[1]

[1] A written thesis proposal must be approved by the thesis mentor and a department advisor. While most theses are completed during the fall and spring of a student's senior year, other combinations of terms are possible. More information about the proposal process, timing, and grading of a thesis can be found on the Department of Integrative Biology website.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Connect and describe the concepts that make up the structure and function of all living things through the principles of genetics, cellular biology, and physiology.
2. Demonstrate an understanding of the diversity of life through the principles of evolution.
3. Make connections between organisms, their habitats, and systems through the principles of ecology.
4. Make connections between the biological sciences to humans and ecological systems and appreciate the complexity of these systems.
5. Identify, think through, and solve a problem using quantitative reasoning and critical thinking skills.
6. Develop an ability to plan and carry out scientific experiments by obtaining and evaluating scientific information and effectively communicating information through oral and written presentations.
7. Understand current issues in biology and apply scientific knowledge to societal issues.
8. Make connections between self and natural world, and personal responsibility with social issues.
9. Develop a sense of competence in the field of study through research experiences and written and oral communication of findings.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104	5
MATH 112, 114, or 171	3-5	MATH 113 or 217	3-5
Communication A[1]	3	L&S Breadth	3
Foreign Language (if required)	3-4	Social Science Breadth	3
	14		**14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 151[1]	5	ZOOLOGY/BIOLOGY/ BOTANY 152 (Satisfies Communication B)[1]	5
Ethnic Studies	3	L&S Breadth	3
INTER-LS 210	1	Social Science Breadth	3
Social Science Breadth	3	Elective	3

Elective	4		
	16		**14**

Junior

Fall	Credits	Spring	Credits
PHYSICS 103, 201, or 207	4-5	PHYSICS 104, 202, or 208	4-5
I/A COMP SCI, MATH, or STAT (if required for the BS)	3-5	I/A COMP SCI, MATH, or STAT (required for the BS)	3-5
I/A ZOOLOGY	3-6	I/A ZOOLOGY	4
Elective	3	L&S Breadth	3
	16		**14**

Senior

Fall	Credits	Spring	Credits
I/A ZOOLOGY	3-4	I/A ZOOLOGY	3-4
Elective	3-4	I/A ZOOLOGY	3-4
L&S Breadth	3	Elective	6
Elective	3-6	Social Science Breadth	3
	17		**15**

Total Credits 120

[1] Students can take ZOOLOGY/BIOLOGY 101 Animal Biology and ZOOLOGY/BIOLOGY 102 Animal Biology Laboratory for the Introductory Biology requirement is recommended for students who complete this sequence.

Student may also satisfy Introductory Biology with BIOCORE. Consult the advisor for the program regarding this option.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Zoology Major website (https://integrativebiology.wisc.edu/undergraduate-programs/zoology-major/).

DIRECTED STUDY

The Zoology major is an excellent choice for students interested in an undergraduate research experience.

Directed Studies allows students to gain experience in a wide range of research areas in biology and to learn research techniques that are not easily taught in the classroom. Such experiences allow students to make more informed decisions about their future goals and careers. Before students can enroll in Directed Study, they must set up an appointment with a professor/mentor of their choice.

Students interested in doing in-depth research as undergraduates in an area of interest can elect to do a Senior Thesis or Senior Honors Thesis. Students should contact a department advisor at the beginning of their junior year to explore possible research areas.

Senior Thesis

Students interested in making a longer term commitment to a research project may consider undertaking a Senior Thesis. Students should contact a department advisor during their junior year to explore possible research areas in zoology.

SUCCESSWORKS

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

LA FOLLETTE SCHOOL OF PUBLIC AFFAIRS

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Health Policy, Certificate (p. 1049)
- Public Policy, Certificate (p. 1052)

HEALTH POLICY, CERTIFICATE

The certificate in Health Policy offered through the La Follette School of Public Affairs prepares undergraduate students to navigate and shape health policy in Wisconsin and in the United States. Coursework covers key concepts and contemporary issues relevant to work within the complex world of U.S. health policy. Courses also build familiarity with analytic methods and approaches used to foster evidence-based health policy, focusing especially on policy levers that influence health equity.

UW–Madison graduates occupy a wide range of professional roles in the health sector, such as health care providers, accountants, IT professionals, small business owners, researchers, human resources specialists, engineers, and advocates. Across these roles, a foundational understanding of health policy has emerged as a key professional competency. Recognizing that leaders in this realm must engage diverse perspectives to successfully address complex issues, required courses are designed to foster interdisciplinary discussion and analysis, and a fieldwork experience will deepen learning in a professional setting.

HOW TO GET IN

HOW TO GET IN

No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, see Advising & Careers.

To declare the Certificate in Health Policy through the La Follette School of Public Affairs, students must:

- Hold UW-Madison sophomore standing or above and be in good academic standing, according to the rules of your school or college
- Have taken, are enrolled, or are registered for at least one class that meets certificate requirements

REQUIREMENTS

REQUIREMENTS

Students must complete a minimum of four courses, one from each area listed below, and a minimum of 12 total credits.

Code	Title	Credits
Introductory Course (complete one):		**3**
PUB AFFR 201	Introduction to Health Policy in the United States	
Analytic Tools for Health Policy (complete one):		**3**
PUB AFFR 242	Foundations of Data Analysis for Health Policy	
PUB AFFR 281	Discovering What Works in Health Policy	
Internship/Fieldwork Experience (complete at least 3 credits)		**3**
PUB AFFR 327	Administrative Internship	
PUB AFFR 360	Workshop in Health Policy	
PUB AFFR 369	Workshop in Public Policy	
INTL ST 523	International Internship	
LEGAL ST 473	Health Impacts of Unmet Social Needs	
POLI SCI 402	Wisconsin in Washington Internship Course	
Policy Specialization (complete one course from any one area below):		**3**
Social Policy, Human Services, Demography and Health		
PUB AFFR 520	Inequality, Race and Public Policy	
PUB AFFR 523	Policy, Privacy, and Personal Identity in the Postgenomics Era	
AFROAMER/ HIST SCI 275	Science, Medicine, and Race: A History	
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	
ANTHRO 265	Introduction to Culture and Health	
CHICLA/ COUN PSY 331	Immigrant Health and Wellbeing	
COUN PSY/ CHICLA 525	Dimensions of Latin@ Mental Health Services	
COUN PSY 531	Prevention and Intervention in Mental Health Across the Lifespan	
CSCS 410	Human Trafficking: Global and Local Perspectives	
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	
GEN&WS 538	Special Topics in LGBTQ+ Health	
GEOG 307	International Migration, Health, and Human Rights	
HDFS/ CNSR SCI 465	Families & Poverty	
MED HIST/ HIST SCI/ HISTORY 508	Health, Disease and Healing II	
MED HIST/ HIST SCI/ HISTORY 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	
PHILOS/ MED HIST 505	Justice and Health Care	
PSYCH 401	Psychology, Law, and Social Policy	
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	
SOC/ C&E SOC 343	Sociology of Health and Medicine	
SOC/ C&E SOC 532	Health Care Issues for Individuals, Families and Society	
SOC 575	Sociological Perspectives on the Life Course and Aging	
SOC/AMER IND/ C&E SOC 578	Poverty and Place	
SOC WORK 206	Introduction to Social Policy	
SOC WORK 420	Poverty and Social Welfare	
SOC WORK/ SOC 422	Social Issues in Aging	
Life Sciences Communication		
LSC 251	Science, Media and Society	
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	
COM ARTS 318	Introduction to Health Communication	
Economics and Health		
ECON/A A E/ ENVIR ST 343	Environmental Economics	
A A E 352	Global Health: Economics, Natural Systems, and Policy	

ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care
ECON 448	Human Resources and Economic Growth
R M I/ECON 530	Insuring Life's Risks: Health, Aging, and Policy
ACT SCI 655	Health Analytics
R M I 660	Risk Analytics and Behavioral Science
Environment and Health	
ENVIR ST/ ATM OCN 355	Introduction to Air Quality
AGROECOL 377	Global Food Production and Health
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health
LAND ARC 321	Environment and Behavior Studio - Designing Health Promoting Environments
Medical Care Systems	
I SY E 417	Health Systems Engineering
MED HIST/ PHILOS 558	Ethical Issues in Health Care
DS 341	Design Thinking for Transformation
Public Health	
HIST SCI/ MED HIST 509	The Development of Public Health in America
NUTR SCI 540	Community Nutrition and Health Equity
SOC/ C&E SOC 533	Public Health in Rural & Urban Communities
C&E SOC/ SOC 532	Health Care Issues for Individuals, Families and Society
MED HIST/ PHILOS 515	Public Health Ethics
Total Credits	**12**

RESIDENCE AND QUALITY OF WORK

- At least 6 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of major underpinnings and challenges of contemporary U.S. health policy, and how to approach issues using a public policy lens.
2. Gain knowledge and demonstrate application of analytical and methodological tools used in the health sector (e.g., policy writing, analysis, familiarity with data used in health policy and clinical research, and quantitative and qualitative methods used in social policy).
3. Demonstrate understanding and application of knowledge regarding a substantive health policy interest of their choice, such as health care policy and innovation, social determinants of health, reproductive health policy, social policy, analysis of health behaviors, and others.
4. Gain applied experience in a setting relevant for navigating, interpreting, and contributing to effective health policy throughout their careers.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

Please follow the process described on the La Follette School of Public Affairs website (https://lafollette.wisc.edu/academics/undergraduate-certificate-in-health-policy/).

Please visit our undergraduate advising page (https://lafollette.wisc.edu/students/advising/#undergrad) to connect with our team.

CAREERS

Health policy issues affect every resident and community in the United States. Because of its complexity, people working in the health sector benefit from understanding specific terminology, issues, and systems involved in policymaking. Through the certificate in health policy, students will build the knowledge base for this work while also gaining skills in quantitative analysis, communication, writing, critical thinking, and problem-solving. More and more, employers across the health sector value this combination of skills and insights.

Students interested in health care, advocacy, business, or research will earn a credential highlighting highly sought-after skills that, through the fieldwork component of the certificate, they have applied in the context of real-world practice. Focused on evidence-based health policy and practice, courses help students hone skills to gather data and information from a variety of sources, analyze and synthesize the findings, and communicate key insights using clear, concise communication strategies.

Career development is an integral part of the La Follette School experience, with staff members and alumni eager to support and mentor students with diverse interests. Students benefit from networking opportunities, employer visits, professional development seminars, and other services.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes

into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

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- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

Empathy and humility. The effects of health policy reach into every corner of life, including access to health care and the rising costs of health benefits. To address complex issues, students in health policy learn to value and engage diverse perspectives and question their own biases and assumptions.

Relentless curiosity. Like peeling an onion, the study of health policy invites learners to uncover layers of data and history to explore root causes of poor health outcomes. Why does a person's zip code predict so much about their health outcomes? Why is U.S. health insurance largely tied to a person's employment status? What drives the high cost of health care, and what are options for reform? For those with an insatiable curiosity, health policy offers endless discoveries and an ever-changing landscape.

Intellectual confidence. In many cases, great leadership emerges when leaders themselves have the confidence to say "I don't know." Public policy studies include deep analysis of the stakeholders in systems, the relationships among those actors, and the incentives that drive behavior. Because of this, students learn to define problems in new ways, ask better questions, and use data to drive insight.

Purposeful action. Health policy has broad implications for the distribution of resources across the public and private sectors. As we learn more about addressing the "upstream" factors that influence health, students gain insights about how to build more prevention-oriented health policy.

PUBLIC POLICY, CERTIFICATE

The certificate in Public Policy complements majors across campus and extends the La Follette School of Public Affairs' mission to training and mentoring the next generation of leaders in their careers and communities.

The certificate program allows undergraduate students to apply a policy perspective to their major course of study and bolsters their skills for success in the workforce or in their graduate school coursework. Students build a strong foundation for careers in government, nonprofit organizations, or the private sector.

The certificate in Public Policy is ideal for students seeking careers related to key domestic and international issues such as criminal justice, education, energy, environmental studies, finance, transportation, and poverty. It also prepares students to be engaged citizens, ready to use their talents to improve the world around them.

HOW TO GET IN

HOW TO GET IN

No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, see Advising & Careers.

To declare the certificate in public policy through the La Follette School of Public Affairs, students must:

- Hold UW-Madison sophomore standing or above and be in good academic standing, according to the rules of your school or college
- Have taken, are enrolled, or are registered for at least one class that meets certificate requirements

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Introductory Course (complete one):		**3**
PUB AFFR 200	Contemporary Public Policy Issues	
Analytical Tools for Policy Design, Implementation, and Evaluation (complete one):		**3**
PUB AFFR 240	Evidence-Based Policy Making	
PUB AFFR 380	Analytic Tools for Public Policy	
Internship/Fieldwork Experience (complete at least 3 credits):		**3**
PUB AFFR 327	Administrative Internship	
PUB AFFR 360	Workshop in Health Policy	
PUB AFFR 369	Workshop in Public Policy	
INTL ST 523	International Internship	
POLI SCI 315	Legislative Internship	
POLI SCI 402	Wisconsin in Washington Internship Course	
Policy Specialization (complete one course from any one area below):		**3**
Social Policy, Inequality Poverty		
PUB AFFR 520	Inequality, Race and Public Policy	
A A E/ INTL ST 373	Globalization, Poverty and Development	
AMER IND/ CSCS 330	American Indian Communities: Sovereignty, Struggles, and Successes	
ECON 370	Economics of Poverty and Inequality	
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	
ECON 455	Behavioral Economics	

LEGAL ST/ RP & SE 135	Disability and the Criminal Justice System
POLI SCI 272	Introduction to Public Policy
PSYCH 401	Psychology, Law, and Social Policy
SOC WORK 206	Introduction to Social Policy
SOC WORK 420	Poverty and Social Welfare
Public Management	
PUB AFFR 278	Public Leadership
PUB AFFR 285	Strategic Public Management
PUB AFFR/ POLI SCI 419	Administrative Law
FINANCE 305	Financial Markets, Institutions and Economic Activity
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs
POLI SCI 405	State Government and Public Policy
Technology	
L I S 220	Digital Footprints: Privacy and Technology
L I S 461	Data and Algorithms: Ethics and Policy
L I S 510	Human Factors in Information Security
Health Policy	
PUB AFFR 523	Policy, Privacy, and Personal Identity in the Postgenomics Era
A A E 352	Global Health: Economics, Natural Systems, and Policy
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care
GEOG 307	International Migration, Health, and Human Rights
L I S/ NURSING 517	Digital Health: Information and Technologies Supporting Consumers and Patients
NURSING 444	Health Systems, Policy, Economics, and Research
R M I/ECON 530	Insuring Life's Risks: Health, Aging, and Policy
SOC/ C&E SOC 533	Public Health in Rural & Urban Communities
Environmental Policy	
PUB AFFR 366	U.S. Environmental Politics and Public Policy
A A E 246	Climate Change Economics and Policy
A A E/ECON 371	Energy, Resources and Economics
A A E/ECON/ F&W ECOL 531	Natural Resource Economics
CBE 512	Energy Technologies and Sustainability
CIV ENGR/ G L E 421	Environmental Sustainability Engineering
DY SCI 471	Food Production Systems and Sustainability
ENVIR ST 112	Environmental Studies: Social Science Perspectives
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems
ENVIR ST/ GEOG 333	Green Urbanism
ENVIR ST 349	Climate Change Governance
ENVIR ST 413	Preserving Nature
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources
ENVIR ST/ F&W ECOL 515	Natural Resources Policy
REAL EST 651	Green - Sustainable Development
Education	
ED POL 145	Introduction to Education Policy
ED POL 200	Race, Ethnicity, and Inequality in American Education
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education
ED POL 300	School and Society
ED POL 320	Climate Change, Sustainability, and Education
ED POL 510	Urban School Policy
ED POL 518	Introduction to Debates in Higher Education Policy
ED POL/ELPA/ LEGAL ST 542	Law and Public Education
ED POL/ GEN&WS 560	Gender and Education
ED POL 575	Education Policy and Practice
Family Policy	
CNSR SCI 579	Consumer Policy Analysis
HDFS 535	A Family Perspective in Policymaking
International Policy	
PUB AFFR 270	The Private and Public Sectors in Policymaking
A A E 319	The International Agricultural Economy
CSCS 410	Human Trafficking: Global and Local Perspectives
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives
ECON 435	The Financial System
ECON/A A E 474	Economic Problems of Developing Areas
ECON 661	Issues in International Macroeconomics

FINANCE/ INTL BUS 445	Multinational Business Finance
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East
HISTORY 434	American Foreign Relations, 1901 to the Present
INTL BUS/ FRENCH 314	Contemporary Issues in Business, Government and NGOs
INTL BUS 200	International Business
POLI SCI 324	Chinese Politics
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 343	Theories of International Security
POLI SCI 359	American Foreign Policy
Total Credits	**12**

RESIDENCE & QUALITY OF WORK

- At least 6 credits must be completed in residence
- Minimum 2.000 GPA on all certificate courses

[1] Courses taken Pass/Fail do not meet certificate requirements or calculate in the GPA.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of major current and past public policy debates, and how to approach questions and research with a public policy lens.
2. Gain knowledge and demonstrate application of methodological tools utilized in the public policy arena (e.g., policy memo writing, policy analysis, experience working with administrative data, program evaluation, cost-benefit analysis, performance management).
3. Demonstrate understanding and application of knowledge regarding the substantive policy area of interest of their choice (e.g., education, health, social, environmental, science).
4. Gain practical professional experience in a public policy work setting.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the La Follette School of Public Affairs website (https://lafollette.wisc.edu/academics/undergraduate-certificate-in-public-policy/).

Looking for Advising?

Please visit our undergraduate advising page (https://lafollette.wisc.edu/students/advising/#undergrad) to connect with our team.

SKILLS AND CAREERS

Given the increasing complexity in every realm of public policy, students in the undergraduate certificate in public policy program gain skills in quantitative analysis, communication, writing, critical thinking, and problem-solving that are in demand by more and more employers in almost every sector.

The certificate program focuses on evidence-based practices and provides students with the skills to gather data and information from various sources, analyze and synthesize the findings, and write a clear and concise report to illustrate the main points.

With the focus on evidence-based practices, the public policy certificate program provides research and data analysis skills that are transferrable to nearly any occupation. Students maximize their electives and earn a credential that highlights these highly sought-after skills in the context of real-world practice.

Career development is an integral part of the La Follette School experience, with staff members and alumni eager to support and mentor students with diverse interests. Students benefit from networking opportunities, employer visits, professional development seminars, and other services.

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LANGUAGE SCIENCES

Language Sciences is an interdisciplinary hub for research (https://langsci.wisc.edu/research/) and collaboration that offers the Linguistics major.

Linguistics is the scientific study of human language. It investigates the common principles underlying all languages, as well as the organization of particular languages. It is expected that undergraduates with a major in Linguistics will be able to:

- demonstrate a sound knowledge of the fields of phonetics (articulatory and acoustic properties of speech), phonology (the organization of the sound system of languages), morphology (the structure of words), syntax (the structure of sentences), and semantics (the interpretation of structures);
- demonstrate that they are able to analyze data in all these areas of linguistics;
- apply their linguistic training without prejudice, as expected in any science; and
- apply their analytical abilities beyond the study of linguistics.

The Linguistics major emphasizes strong foundational training in the core areas of theoretical linguistics. Students also have access to elective courses (https://langsci.wisc.edu/electives-in-the-major/) in a wide variety of interdisciplinary areas, including first and second language acquisition, psycholinguistics, sociolinguistics, language and data science, historical linguistics, neurolinguistics, and indigenous language documentation and revitalization. Coursework is also available in the linguistics of specific languages or language families, such as American Sign Language (https://langsci.wisc.edu/asl/), Germanic, Spanish and Romance, Chinese, Japanese, and Native American linguistics.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Linguistics, BA (p. 1055)
- Linguistics, BS (p. 1059)

LINGUISTICS, BA

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HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Undergraduate students wishing to major in Linguistics should make an appointment with the Linguistics Undergraduate Advisor. Current advisor contact information can be found on the Language Sciences Advising Page (https://langsci.wisc.edu/advising/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

LANGUAGE

Code	Title	Credits
Complete the fourth unit or higher in a foreign language, by course or by examination		0-16
Total Credits		**0-16**

CREDIT REQUIREMENT

Students pursuing the linguistics major must complete 30 credits as follows:

Required Foundational Courses (4 courses)

Code	Title	Credits
LINGUIS 101	Human Language	3
LINGUIS 310	Phonology	3
LINGUIS 322	Morphology	3
LINGUIS 330	Syntax	3
Total Credits		**12**

Advanced Linguistics Coursework (2 courses)

Code	Title	Credits
One 500-level LINGUIS course (choose one of the following):		**3**
LINGUIS 510	Phonological Theories	
LINGUIS 522	Advanced Morphology	
LINGUIS 530	Syntactic Theories	
LINGUIS 571	Structure of a Language	
Capstone course		
LINGUIS 690	Capstone in Linguistics	3
Total Credits		**6**

Electives in the Major (4 courses)

Code	Title	Credits
Complete 4 of the following:		**12**
any LINGUIS course [1]		
AFRICAN 206	Introduction to African Linguistic Practices	
AMER IND/ ANTHRO 314	Indians of North America	
AMER IND/ LINGUIS 371	Survey of North American Indian Languages	
ANTHRO/ LINGUIS 430	Language and Culture	
ASIAN 358	Language in Japanese Society	
ASIAN 432	Introduction to Chinese Linguistics	
ASIAN 434	Introduction to Japanese Linguistics	
ASIAN 631	History of the Chinese Language	
ASIAN 632	Studies in Chinese Linguistics	
ASIAN 633	Chinese Applied Linguistics	
CS&D 110	Introduction to Communicative Disorders	
CS&D 201	Anatomy and Physiology of Speech Production	
CS&D 202	Hearing Science	

CS&D 210	Neural Basis of Communication
CS&D 240	Language Development in Children and Adolescents
CS&D 303	Speech Acoustics and Perception
CS&D 315	Phonetics and Phonological Development
CS&D 440	Child Language Disorders, Assessment and Intervention
CS&D 503	Neural Mechanisms of Speech, Hearing and Language
ED POL 205	Language and Social Inequality
ED POL 595	Language Politics and Education
ENGL 314	Structure of English
ENGL 316	English Language Variation in the U.S.
ENGL 318	Second Language Acquisition
ENGL 319	Language, Race, and Identity
ENGL 320	Linguistic Theory and Child Language
ENGL 412	Bad Grammar and Metalinguistic Awareness
ENGL 413	English Words: Grammar, Culture, Mind
ENGL 414	Global Spread of English
ENGL 415	Introduction to TESOL Methods
ENGL 416	English in Society
ENGL 417	History of the English Language
ENGL 420	Topics in English Language and Linguistics
ENGL 514	English Syntax
ENGL 516	English Grammar in Use
FOLKLORE/ L I S 490	Field Methods and the Public Presentation of Folklore
ITALIAN 340	Structures of Italian
GERMAN 351	Introduction to German Linguistics
GERMAN 352	Topics in German Linguistics
GERMAN 650	History of the German Language
L I S 501	Introduction to Text Mining
L I S 640	Topics in Library and Information Studies (Tribal Libraries, Archives, Museums topic only)
LINGUIS/ ANTHRO/ FOLKLORE/ INTL ST 211	Global Language Issues
LINGUIS 213	Topics in Sociolinguistics
LINGUIS 237	Language in Wisconsin
LINGUIS 303	Historical Linguistics
LINGUIS 309	Grammatical Variability of Language
LINGUIS 340	Semantics
LINGUIS/ AMER IND 371	Survey of North American Indian Languages
LINGUIS 373	Topics in Linguistics
LINGUIS 375	Sign Language Linguistics
LINGUIS 426	Field Methods I
LINGUIS 427	Field Methods II
LINGUIS/ ANTHRO 430	Language and Culture
PHILOS 516	Language and Meaning
PSYCH 406	Psychology of Perception
PSYCH 414	Cognitive Psychology
PSYCH 460	Child Development
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture
RELIG ST 201	Religion in/and Everyday Language
SOC 535	Talk and Social Interaction
SPANISH 320	Spanish Phonetics
SPANISH 321	The Structure of Modern Spanish
SPANISH 327	Introduction to Spanish Linguistics
SPANISH 331	Spanish Applied Linguistics
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages
SPANISH 430	Spanish in the United States
SPANISH 446	Topics in Spanish Linguistics
SPANISH 630	Topics in Hispanic Linguistics
Total Credits	**12**

[1] Except LINGUIS 351, LINGUIS 352, LINGUIS 481, LINGUIS 482, LINGUIS 583, LINGUIS 681, LINGUIS 682.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LINGUIS and all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[2]
- 15 credits in LINGUIS, taken on the UW–Madison campus

[2] Intermediate and Advanced level LINGUIS courses, LINGUIS 340, LINGUIS 373 and some elective courses from other subjects are upper-level in the major (see list).

Electives from other subjects that are Upper-Level in the Major

Code	Title	Credits
ASIAN 358	Language in Japanese Society	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 631	History of the Chinese Language	3
CS&D 201	Anatomy and Physiology of Speech Production	3
CS&D 210	Neural Basis of Communication	3
CS&D 303	Speech Acoustics and Perception	3
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
ENGL 314	Structure of English	3
ENGL 316	English Language Variation in the U.S.	3
ENGL 318	Second Language Acquisition	3

ENGL 414	Global Spread of English	3
ENGL 416	English in Society	3
ENGL 417	History of the English Language	3
ENGL 516	English Grammar in Use	3
ENGL 514	English Syntax	3
GERMAN 351	Introduction to German Linguistics	3-4
GERMAN 352	Topics in German Linguistics	3-4
GERMAN 650	History of the German Language	3
PHILOS 516	Language and Meaning	3
SOC 535	Talk and Social Interaction	3
SPANISH/ FRENCH/ITALIAN/ PORTUG 429	Introduction to the Romance Languages	3
SPANISH 630	Topics in Hispanic Linguistics	3

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Linguistics Undergraduate Advisor (https://guide.wisc.edu/undergraduate/letters-science/linguistics/linguistics-ba/#advisingandcareerstext).

HONORS IN THE LINGUISTICS MAJOR: REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all LINGUIS courses, and all courses accepted in the major
- Complete two LINGUIS courses, taken for Honors, with concurrent 1-credit enrollment in LINGUIS 481 Junior Honors Tutorial, LINGUIS 482 Junior Honors Tutorial, or LINGUIS 583 Senior Honors Tutorial, for a total of 2 additional credits. A grade of B or better must be earned in each course taken for honors.
- Complete a two-semester Senior Honors Thesis in LINGUIS 681 Honors Seminar-Senior Thesis and LINGUIS 682 Honors Seminar-Senior Thesis, leading to submission of an acceptable paper, for a total of 6 credits. A grade of B or better must be earned in the thesis project.

Note that Honors tutorial credits and the Senior Honors Thesis do not count toward the 30 credits required for the major in linguistics.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Familiarity with data from a wide range of languages from different language families.
2. Ability to respond to biased views of language in their communities.
3. Knowledge in all core areas of linguistics: Phonetics, phonology, morphology, syntax, and semantics.
4. Sound grasp of linguistic concepts.
5. Sound grasp of linguistic methodology.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	4th semester of Foreign Language (if needed)[2]	3
3rd semester of Foreign Language (if needed)	3	LINGUIS 101	3
L&S Breadth[1]	3	I/A Math, Comp Sci, or Stat (if needed for BS)	3
L&S Breadth	3	L&S Breadth	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Communication B	3
LINGUIS 310	3	LINGUIS 322	3
LINGUIS 330	3	Linguistics major elective #1	3

L&S Breadth	3	I/A Math, Comp Sci, or Stat (if needed for BS)	3
Elective	3	L&S Breadth	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
Linguistics 500-level course (take any time in years 3-4)	3	Linguistics major elective #3	3
Linguistics major elective #2	3	L&S Breadth	3
L&S Breadth	3	Electives	9
Electives	6		
	15		**15**

Senior

Fall	Credits	Spring	Credits
Linguistics major elective #4	3	LINGUIS 690	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

1 Linguistics majors will have varying needs for L&S Breadth courses outside the major, depending on which Linguistics major electives they choose. Many Linguistics major electives are Humanities courses, but some are Social Science or Natural Sciences. Consult with your advisor to determine your individual needs.

2 Linguistics majors are required to complete the 4th unit or higher of a foreign language, whether they are doing the BA or the BS degree.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Language Sciences website (https://langsci.wisc.edu/advising/).

UNDERGRADUATE ADVISING

Contact the undergraduate advisor (https://langsci.wisc.edu/advising/) via email or using the Starfish app (https://wisc.starfishsolutions.com/starfish-ops/instructor/serviceCatalog.html#/connection/10252/schedule) to set up an appointment. The advisor is happy to meet with students who want to learn more about the major, careers in linguistics, linguistics course selection, and opportunities for participation in research in language sciences. A meeting with the advisor is required to declare the major.

CAREERS OF OUR ALUMNI

Read more about career options for students with the Linguistics major at our career page (https://langsci.wisc.edu/careers/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

LINGUISTICS OPPORTUNITY AWARD

The Linguistics Opportunity Award (https://langsci.wisc.edu/scholarships/) provides several scholarships to Linguistics students each year. Awardees are recognized for excellence in linguistics research and academic achievement, outreach and volunteering activities related to language science, and/or relevance of linguistics to their future plans.

The scholarship is funded through generous donations to the Linguistics Fund from alumni and other supporters of our program.

Deadline: January 15, apply through the WiSH portal.

LINGUISTICS, BS

Language Sciences is an interdisciplinary hub for research (https://langsci.wisc.edu/research/) and collaboration that offers the Linguistics major.

Linguistics is the scientific study of human language. It investigates the common principles underlying all languages, as well as the organization of particular languages. It is expected that undergraduates with a major in Linguistics will be able to:

- demonstrate a sound knowledge of the fields of phonetics (articulatory and acoustic properties of speech), phonology (the organization of the sound system of languages), morphology (the structure of words), syntax (the structure of sentences), and semantics (the interpretation of structures);
- demonstrate that they are able to analyze data in all these areas of linguistics;
- apply their linguistic training without prejudice, as expected in any science; and
- apply their analytical abilities beyond the study of linguistics.

The Linguistics major emphasizes strong foundational training in the core areas of theoretical linguistics. Students also have access to elective

courses (https://langsci.wisc.edu/electives-in-the-major/) in a wide variety of interdisciplinary areas, including first and second language acquisition, psycholinguistics, sociolinguistics, language and data science, historical linguistics, neurolinguistics, and indigenous language documentation and revitalization. Coursework is also available in the linguistics of specific languages or language families, such as American Sign Language (https://langsci.wisc.edu/asl/), Germanic, Spanish and Romance, Chinese, Japanese, and Native American linguistics.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Undergraduate students wishing to major in Linguistics should make an appointment with the Linguistics Undergraduate Advisor. Current advisor contact information can be found on the Language Sciences Advising Page (https://langsci.wisc.edu/advising/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

LANGUAGE

Code	Title	Credits
Complete the fourth unit or higher in a foreign language, by course or by examination		0-16
Total Credits		**0-16**

CREDIT REQUIREMENT

Students pursuing the linguistics major must complete 30 credits as follows:

Required Foundational Courses (4 courses)

Code	Title	Credits
LINGUIS 101	Human Language	3
LINGUIS 310	Phonology	3
LINGUIS 322	Morphology	3
LINGUIS 330	Syntax	3
Total Credits		**12**

Advanced Linguistics Coursework (2 courses)

Code	Title	Credits
One 500-level LINGUIS course (choose one of the following):		**3**
LINGUIS 510	Phonological Theories	
LINGUIS 522	Advanced Morphology	
LINGUIS 530	Syntactic Theories	
LINGUIS 571	Structure of a Language	
Capstone course		
LINGUIS 690	Capstone in Linguistics	3
Total Credits		**6**

Electives in the Major (4 courses)

Code	Title	Credits
Complete 4 of the following:		**12**
any LINGUIS course [1]		
AFRICAN 206	Introduction to African Linguistic Practices	
AMER IND/ ANTHRO 314	Indians of North America	
AMER IND/ LINGUIS 371	Survey of North American Indian Languages	
ANTHRO/ LINGUIS 430	Language and Culture	
ASIAN 358	Language in Japanese Society	
ASIAN 432	Introduction to Chinese Linguistics	
ASIAN 434	Introduction to Japanese Linguistics	
ASIAN 631	History of the Chinese Language	
ASIAN 632	Studies in Chinese Linguistics	
ASIAN 633	Chinese Applied Linguistics	
CS&D 110	Introduction to Communicative Disorders	
CS&D 201	Anatomy and Physiology of Speech Production	
CS&D 202	Hearing Science	
CS&D 210	Neural Basis of Communication	
CS&D 240	Language Development in Children and Adolescents	
CS&D 303	Speech Acoustics and Perception	
CS&D 315	Phonetics and Phonological Development	
CS&D 440	Child Language Disorders, Assessment and Intervention	
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	
ED POL 205	Language and Social Inequality	
ED POL 595	Language Politics and Education	
ENGL 314	Structure of English	
ENGL 316	English Language Variation in the U.S.	
ENGL 318	Second Language Acquisition	
ENGL 319	Language, Race, and Identity	
ENGL 320	Linguistic Theory and Child Language	
ENGL 412	Bad Grammar and Metalinguistic Awareness	
ENGL 413	English Words: Grammar, Culture, Mind	
ENGL 414	Global Spread of English	
ENGL 415	Introduction to TESOL Methods	
ENGL 416	English in Society	
ENGL 417	History of the English Language	
ENGL 420	Topics in English Language and Linguistics	
ENGL 514	English Syntax	
ENGL 516	English Grammar in Use	
FOLKLORE/ L I S 490	Field Methods and the Public Presentation of Folklore	
ITALIAN 340	Structures of Italian	
GERMAN 351	Introduction to German Linguistics	
GERMAN 352	Topics in German Linguistics	
GERMAN 650	History of the German Language	
L I S 501	Introduction to Text Mining	
L I S 640	Topics in Library and Information Studies (Tribal Libraries, Archives, Museums topic only)	
LINGUIS/ ANTHRO/ FOLKLORE/ INTL ST 211	Global Language Issues	
LINGUIS 213	Topics in Sociolinguistics	
LINGUIS 237	Language in Wisconsin	
LINGUIS 303	Historical Linguistics	
LINGUIS 309	Grammatical Variability of Language	

LINGUIS 340	Semantics
LINGUIS/ AMER IND 371	Survey of North American Indian Languages
LINGUIS 373	Topics in Linguistics
LINGUIS 375	Sign Language Linguistics
LINGUIS 426	Field Methods I
LINGUIS 427	Field Methods II
LINGUIS/ ANTHRO 430	Language and Culture
PHILOS 516	Language and Meaning
PSYCH 406	Psychology of Perception
PSYCH 414	Cognitive Psychology
PSYCH 460	Child Development
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture
RELIG ST 201	Religion in/and Everyday Language
SOC 535	Talk and Social Interaction
SPANISH 320	Spanish Phonetics
SPANISH 321	The Structure of Modern Spanish
SPANISH 327	Introduction to Spanish Linguistics
SPANISH 331	Spanish Applied Linguistics
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages
SPANISH 430	Spanish in the United States
SPANISH 446	Topics in Spanish Linguistics
SPANISH 630	Topics in Hispanic Linguistics
Total Credits	**12**

[1] Except LINGUIS 351, LINGUIS 352, LINGUIS 481, LINGUIS 482, LINGUIS 583, LINGUIS 681, LINGUIS 682.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LINGUIS and all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence[2]
- 15 credits in LINGUIS, taken on the UW–Madison campus

[2] Intermediate and Advanced level LINGUIS courses, LINGUIS 340, LINGUIS 373 and some elective courses from other subjects are upper-level in the major (see list).

Electives from other subjects that are Upper-Level in the Major

Code	Title	Credits
ASIAN 358	Language in Japanese Society	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN 631	History of the Chinese Language	3
CS&D 201	Anatomy and Physiology of Speech Production	3
CS&D 210	Neural Basis of Communication	3
CS&D 303	Speech Acoustics and Perception	3
CS&D 503	Neural Mechanisms of Speech, Hearing and Language	3
ENGL 314	Structure of English	3
ENGL 316	English Language Variation in the U.S.	3
ENGL 318	Second Language Acquisition	3
ENGL 414	Global Spread of English	3
ENGL 416	English in Society	3
ENGL 417	History of the English Language	3
ENGL 516	English Grammar in Use	3
ENGL 514	English Syntax	3
GERMAN 351	Introduction to German Linguistics	3-4
GERMAN 352	Topics in German Linguistics	3-4
GERMAN 650	History of the German Language	3
PHILOS 516	Language and Meaning	3
SOC 535	Talk and Social Interaction	3
SPANISH/ FRENCH/ITALIAN/ PORTUG 429	Introduction to the Romance Languages	3
SPANISH 630	Topics in Hispanic Linguistics	3

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Linguistics Undergraduate Advisor (https://guide.wisc.edu/undergraduate/letters-science/linguistics/linguistics-ba/#advisingandcareerstext).

HONORS IN THE LINGUISTICS MAJOR: REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all LINGUIS courses, and all courses accepted in the major
- Complete two LINGUIS courses, taken for Honors, with concurrent 1-credit enrollment in LINGUIS 481 Junior Honors Tutorial, LINGUIS 482 Junior Honors Tutorial, or LINGUIS 583 Senior Honors Tutorial, for a total of 2 additional credits. A grade of B or better must be earned in each course taken for honors.
- Complete a two-semester Senior Honors Thesis in LINGUIS 681 Honors Seminar-Senior Thesis and LINGUIS 682 Honors Seminar-Senior Thesis, leading to submission of an acceptable paper, for a total of 6 credits. A grade of B or better must be earned in the thesis project.

Note that Honors tutorial credits and the Senior Honors Thesis do not count toward the 30 credits required for the major in linguistics.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Familiarity with data from a wide range of languages from different language families.
2. Ability to respond to biased views of language in their communities.
3. Knowledge in all core areas of linguistics: Phonetics, phonology, morphology, syntax, and semantics.
4. Sound grasp of linguistic concepts.
5. Sound grasp of linguistic methodology.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	4th semester of Foreign Language (if needed)[2]	3
3rd semester of Foreign Language (if needed)	3	LINGUIS 101	3
L&S Breadth[1]	3	I/A Math, Comp Sci, or Stat (if needed for BS)	3
L&S Breadth	3	L&S Breadth	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Communication B	3
LINGUIS 310	3	LINGUIS 322	3
LINGUIS 330	3	Linguistics major elective #1	3
L&S Breadth	3	I/A Math, Comp Sci, or Stat (if needed for BS)	3
Elective	3	L&S Breadth	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
Linguistics 500-level course (take any time in years 3-4)	3	Linguistics major elective #3	3
Linguistics major elective #2	3	L&S Breadth	3
L&S Breadth	3	Electives	9
Electives	6		
	15		**15**

Senior

Fall	Credits	Spring	Credits
Linguistics major elective #4	3	LINGUIS 690	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

1 Linguistics majors will have varying needs for L&S Breadth courses outside the major, depending on which Linguistics major electives they choose. Many Linguistics major electives are Humanities courses, but some are Social Science or Natural Sciences. Consult with your advisor to determine your individual needs.

2 Linguistics majors are required to complete the 4th unit or higher of a foreign language, whether they are doing the BA or the BS degree.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Language Sciences website (https://langsci.wisc.edu/advising/).

UNDERGRADUATE ADVISING

Contact the undergraduate advisor (https://langsci.wisc.edu/advising/) via email or using the Starfish app (https://wisc.starfishsolutions.com/starfish-ops/instructor/serviceCatalog.html#/connection/10252/schedule) to set up an appointment. The advisor is happy to meet with students who want to learn more about the major, careers in linguistics, linguistics course selection, and opportunities for participation in research in language sciences. A meeting with the advisor is required to declare the major.

CAREERS OF OUR ALUMNI

Read more about career options for students with the Linguistics major at our career page (https://langsci.wisc.edu/careers/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes

into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

LINGUISTICS OPPORTUNITY AWARD

The Linguistics Opportunity Award (https://langsci.wisc.edu/scholarships/) provides several scholarships to Linguistics students each year. Awardees are recognized for excellence in linguistics research and academic achievement, outreach and volunteering activities related to language science, and/or relevance of linguistics to their future plans.

The scholarship is funded through generous donations to the Linguistics Fund from alumni and other supporters of our program.

Deadline: January 15, apply through the WiSH portal.

LETTERS & SCIENCE - COLLEGE-WIDE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Applied Social Science, BLS (p. 1064)
- Biochemistry, BA (L&S) (p. 1067)
- Biochemistry, BS (L&S) (p. 1075)
- College of Letters & Science Honors in the Liberal Arts (p. 1083)
- Individual Major, BA (p. 1084)
- Individual Major, BS (p. 1086)
- Microbiology, BA (L&S) (p. 1089)
- Microbiology, BS (L&S) (p. 1093)

APPLIED SOCIAL SCIENCE, BLS

Admissions to the Applied Social Science, BLS have been suspended as of fall 2024 and will be discontinued as of fall 2032. If you have any questions, please contact the department.

The Major in Applied Social Science (MASS) is completed with the Bachelor of Liberal Studies (BLS) degree. The BLS and MASS are offered fully online and are ideal for returning students with some college credit. UW-Madison Online programs are designed with adult students in mind; they give students the flexibility to earn their degree while still meeting obligations at work and home.

Students in the MASS program will learn about how Social and Behavioral Science apply to their own lives and the world around them. BLS and MASS students will learn about world language study and global issues; understanding and engaging with diverse communities; ethical communication; and broader social issues that shape current events. Applied Social Sciences explores systematic and evidence-based study of the social world, encompassing all of the political, economic, legal, technological, and cultural ideas, structures, and processes that humans create to live together as a society. Social science data, methods, and theories help students understand how social life works to help social life work better.

Applied study across the social sciences, combined with integrated study of the liberal arts and sciences, is an ideal framework for identifying issues, questions, and opportunities that are important to humans, groups, institutions, and society. Students in this program will improve their skills as communicators and as knowledgeable participants in a civil and just society. They will increase their skills and develop their abilities to create and support more effective and equitable solutions to social problems.

HOW TO GET IN

HOW TO GET IN

Admissions to the Applied Social Science, BS have been suspended as of fall 2024 and will be discontinued as of fall 2032. If you have any questions, please contact the department.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF LIBERAL STUDIES (BLS)

BACHELOR OF LIBERAL STUDIES DEGREE REQUIREMENTS

Breadth in the Degree	Complete: • 9 credits of Humanities breadth; and • 9 credits of Social Science breadth; and • 9 credits of Biological, Physical or Natural Science breadth.
BLS Broad Field Requirement	Complete: • 6 credits of Beyond US: Global & Language Study; and • 3 credits of Data Science & Digital Communication; and • 3 credits of Race, Diversity, & Global Issues in Context.
Integrating College, Career, and Liberal Studies	Complete at least 6 credits of Integrating College, Career, and Liberal Studies coursework.
Depth of Intermediate/ Advanced Coursework	Complete at least 30 credits at Intermediate or Advanced level.
Major	Declare and complete at least one major within the BLS degree program.
Elective	Complete elective credits to reach 120 total credits for the degree.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 GPA in all coursework at UW–Madison • 2.000 GPA in Intermediate/Advanced level coursework at UW–Madison
Notes	• Eligible courses may apply to multiple requirements unless specifically noted otherwise. • Pass/Fail courses do not meet requirements, but may count as Electives. • Courses with multiple breadth designations may only be used to meet one breadth requirement. • Courses used to meet Communication A and Quantitative Reasoning A may not also be used to meet Breadth Requirements.

BLS Broad Field Requirement

Code	Title	Credits
Beyond US: Global and Language Study (complete at least two):		**6**
GEOG 340	World Regions in Global Context	
LINGUIS/ ANTHRO/ FOLKLORE/ INTL ST 211	Global Language Issues	
Data Science and Digital Communication (complete at least one):		**3**
COM ARTS 325	Media and Human Behavior	
JOURN 175	Media Fluency for the Digital Age	
L I S 351	Introduction to Digital Information	
L I S 407	Data Storytelling with Visualization	
L I S 500	Code and Power	
Race, Diversity, and Global Issues in Context (complete at least one):		**3**
HDFS 174	Introduction into Cultural Diversity of Families	
JOURN 162	Mass Media in Multicultural America	
L I S 500	Code and Power	
Total Credits		**12**

Integrating College, Career, and Liberal Studies

Code	Title	Credits
Complete at least 6 credits from:		**6**
INTER-LS 145	How to Succeed in College	
INTER-LS 210	L&S Career Development: Taking Initiative	
INTER-LS 215	Communicating About Careers	
INTER-LS 260	Internship in the Liberal Arts and Sciences	
Total Credits		**6**

REQUIREMENTS FOR THE MAJOR

Complete 30 credits from the following:

Code	Title	Credits
Foundations (complete both):		**6**
INTER-LS 301	Methods in the Applied Social Sciences	
INTER-LS 302	Problems in the Applied Social Sciences	
Integrative Depth (complete 18 credits, including at least one course in each of the four areas below):		**18**

Ethical Communication (complete one):		
	PHILOS 243	Ethics in Business
	COM ARTS 325	Media and Human Behavior
	COM ARTS 371	Communication and Conflict Resolution
	L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science
	L I S 661	Information Ethics and Policy
Diverse Communities (complete one):		
	COM ARTS 373	Intercultural Communication & Rhetoric
	JOURN 162	Mass Media in Multicultural America
	L I S 500	Code and Power
Research Tools (complete one):		
	STAT 301	Introduction to Statistical Methods
	L I S 351	Introduction to Digital Information
	LINGUIS 237	Language in Wisconsin
	SOC/ C&E SOC 357	Methods of Sociological Inquiry
	SOC/ C&E SOC 360	Statistics for Sociologists I
Social Issues (complete one):		
	L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science
	L I S 661	Information Ethics and Policy
	GEOG 307	International Migration, Health, and Human Rights
	LEGAL ST/ POLI SCI 217	Law, Politics and Society
Capstone (complete both):		**6**
	INTER-LS 601	Applied Social Sciences Problem Proposal
	INTER-LS 602	Applied Social Sciences Problem Analysis
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 15 upper-level credits, taken in residence[1]
- 15 credit in the major, taken on campus

FOOTNOTES

[1] Upper-level courses in the major are course with the Intermediate or Advanced level designation

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize, reason with, and combine multiple forms of qualitative and quantitative information and data that are common to the social sciences, from diverse perspectives and sources.
2. Critically evaluate and analyze information using a variety of methods common to the social sciences, informed by diverse perspectives.
3. Approach complex social, interpersonal, and institutional issues and opportunities for innovation from multiple perspectives, understanding them in a variety of contexts and from different cultural lenses.
4. Use tools and techniques common to the social sciences to combine their rigorous analysis of relevant evidence to develop and defend creative insights and effective solutions concerning these important issues.
5. Based on an understanding of the varied ways in which people experience social life and social institutions, students will collaborate and communicate proposed solutions effectively and ethically with people from a range of perspectives, cultures, and backgrounds.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This program is designed for transfer students, most of whom will enroll on a part-time basis. As such, there is not a four-year plan for this program. Please refer to the Requirements tab for more information about the curriculum and program plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Each UW-Madison Online student is assigned an academic and career (AC) advisor (https://oss.wisc.edu/about-us/).

CAREERS

Completion of the BLS+MASS complements many career paths. Coursework designed around a liberal arts education provides students with critical thinking, qualitative and quantitative analysis, and communication skills needed in all industries. A focused study of social sciences helps graduates understand:

- how the social world can be understood and explored in a structured and guided way; and
- how the tools used in the study of the social world can help identify issues that need attention and problems that could be solved.

Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Advisors help prepare students for life post-graduation through individual and group advising.

BIOCHEMISTRY, BA (L&S)

Biochemistry is a very broad science that studies the molecules and chemistry of life. Biochemistry focuses on the structure, properties, and interactions of molecules such as proteins, nucleic acids, sugars and lipids. Biochemistry's aim is to understand how these molecules participate in the processes that support the various functions of the living cell. These studies are therefore essential for understanding disease and finding cures, for improving agriculture and the production of food and biofuels, and to produce innovation in biotechnology.

Whereas other biological science majors may focus on cellular, organismal, or population-level biology, biochemistry focuses on processes that occur at the molecular to cellular levels. Therefore, this major has a greater focus on basic and quantitative sciences, such as math and, particularly, on chemistry.

Biochemistry graduates go on to a variety of careers in science and science-related fields. The major is designed to fit the needs of the student who wishes to achieve bachelor's-level training as well as those planning to pursue graduate or professional study. The degree serves as an excellent background for medical school or veterinary school admission, as well as for graduate study in biochemistry or other allied fields (biology, bacteriology, genetics, molecular biology, or oncology).

HOW TO GET IN

HOW TO GET IN

Students may declare the major via an appointment with the undergraduate advisor at any time.

The Biochemistry major is offered through either CALS or the College of Letters & Science (L&S). Students interested in the differences or transferring between CALS and L&S should meet with the advisor to discuss this in more detail.

Students who attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences (CALS) have the option to declare biochemistry at SOAR. Students may otherwise declare after they have begun their undergraduate studies.

Students who intend to major in Biochemistry may not combine this major ("double major") with the Molecular and Cell Biology major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATHEMATICS

Mathematics Requirements

Code	Title	Credits
Complete one of the following options:		
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	9
MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	14

CHEMISTRY

General Chemistry

Code	Title	Credits
Complete one sequence:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II (satisfies both general and analytical chemistry requirements)	10

Organic Chemistry

Code	Title	Credits
Complete All:		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3

Analytical Chemistry

Code	Title	Credits
Complete one:		
CHEM 327	Fundamentals of Analytical Science	4
CHEM 329	Fundamentals of Analytical Science	4
CHEM 116	Chemical Principles II (satisfies both general and analytical chemistry requirements)	5

Physical Chemistry

Code	Title	Credits
Complete one:		
CHEM 665	Biophysical Chemistry (Recommended)	3
CHEM 561	Physical Chemistry I	3

BIOLOGY

Students must complete either Option A (introductory + upper-level biology), or Option B (biocore), for 16 total credits of biological science coursework.

Option A (Introductory and Upper-Level Biology)

Option A Introductory Biology

Code	Title	Credits
Complete one of the following introductory biology options:		
BIOLOGY/BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology (recommended)	10
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	10

And Option A Upper-Level Biology

At least 6 credits of upper-level biological science coursework are required (to achieve 16 total credits—more than 6 credits may be required if introductory biology totals less than 10 credits due to transfer credits). Select from the course list below. To see courses offered in specific upcoming semesters, please see the biochemistry website (https://

biochem.wisc.edu/undergraduate_program/advanced-biology-courses-undergraduate-program/).

Important: A course may not double count in both the "upper-level biology" and the "biochemistry" requirements for the major. Biochemistry courses on this list can count only for "upper-level biology" if they are above-and-beyond what is needed to fulfill the "biochemistry" portion of the major. For example, if students have taken BIOCHEM 501 (http://guide.wisc.edu/search/?P=BIOCHEM%20501), they will need one advanced biochemistry elective to fulfill the biochemistry requirement, and then any additional biochemistry courses taken can count for upper-level biology.

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AGROECOL 377	Global Food Production and Health	3
ANAT&PHY 335	Physiology	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 435	Fundamentals of Human Physiology	5
AN SCI/ FOOD SCI 305	Introduction to Meat Science and Technology	4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI 314	Poultry Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
AN SCI/DY SCI 414	Ruminant Nutrition & Metabolism	3
AN SCI 415	Application of Monogastric Nutrition Principles	2
AN SCI 431	Beef Cattle Production	3
AN SCI 432	Swine Production	3
AN SCI/DY SCI 434	Reproductive Physiology	3
AN SCI 503	Avian Physiology	3
AN SCI 508	Poultry Products Technology	3
AN SCI 511	Breeder Flock and Hatchery Management	3
AN SCI 512	Management for Avian Health	3
AN SCI/ FOOD SCI 515	Commercial Meat Processing	2
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	3
AN SCI 610	Quantitative Genetics	3
AN SCI/ NUTR SCI 626	Experimental Diet Design	1
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology	3
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	3
BSE 349	Quantitative Techniques for Biological Systems	3
BSE 364	Engineering Properties of Food and Biological Materials	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
BSE 461	Food and Bioprocessing Operations	3
BSE 472	Sediment and Bio-Nutrient Engineering and Management	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
B M I/STAT 541	Introduction to Biostatistics	3
B M I/ COMP SCI 576	Introduction to Bioinformatics	3
BOTANY 300	Plant Anatomy	4
BOTANY 305	Plant Morphology and Evolution	4
BOTANY 330	Algae	3
BOTANY/ PL PATH 332	Fungi	4
BOTANY 400	Plant Systematics	4
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
BOTANY 422	Plant Geography	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4

BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
BOTANY 500	Plant Physiology	3-4
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
BOTANY/ GENETICS/M M & I/ PL PATH 655	Biology and Genetics of Fungi	3
CHEM 575	Advanced Topics in Chemistry (Topics in Chemical Biology)	1-4
CRB 625	Stem Cell Seminar	1
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB 675	Topics in Cell and Regenerative Biology	1-3
DY SCI 378	Lactation Physiology	3
DY SCI 535	Dairy Farm Management Practicum	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects	4
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects	4
ENTOM/ ZOOLOGY 540	Theoretical Ecology	3
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
ENVIR ST/ ATM OCN 520	Bioclimatology	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
FOOD SCI 410	Food Chemistry	3
FOOD SCI 440	Principles of Food Engineering	3
FOOD SCI 511	Chemistry and Technology of Dairy Products	3
FOOD SCI 514	Integrated Food Functionality	4
FOOD SCI 550	Fermented Foods and Beverages	2
FOOD SCI 611	Chemistry and Technology of Dairy Products	3
F&W ECOL 300	Forest Measurements	4
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
F&W ECOL 318	Principles of Wildlife Ecology	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 379	Principles of Wildlife Management	3
F&W ECOL 401	Physiological Animal Ecology	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 561	Wildlife Management Techniques	3
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL 590	Integrated Resource Management	3
F&W ECOL 655	Animal Population Dynamics	3
GEN&WS 533	Special Topics in Gender and Biology	3
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 468	General Genetics 2	3
GENETICS 525	Epigenetics	3
GENETICS 545	Genetics Laboratory	2
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 566	Advanced Genetics	3
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
M M & I/PATH-BIO 528	Immunology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MED PHYS/ H ONCOL 410	Radiobiology	2-3
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry	3
MICROBIO 303	Biology of Microorganisms	3

MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology	2
MICROBIO 551	Capstone Research Project in Microbiology	2
MICROBIO 626	Microbial and Cellular Metabolomics	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
NUTR SCI 379	Introduction to Epidemiology	3
NUTR SCI 431	Nutrition in the Life Span	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
ONCOLOGY/ M&ENVTOX/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
PHM SCI 310	Drugs and Their Actions	2
PHM SCI/B M E 430	Biological Interactions with Materials	3
PHYSICS/B M E/ MED PHYS/ PHMCOL-M/ RADIOL 619	Microscopy of Life	3
PL PATH 300	Introduction to Plant Pathology	4
PL PATH 517	Plant Disease Resistance	2-3
PL PATH 559	Diseases of Economic Plants	3
PL PATH 602	Ecology, Epidemiology and Control of Plant Diseases	3
PL PATH 622	Plant-Bacterial Interactions	2-3
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 320	Environment of Cultivated Plants	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 612	Neuropharmacology	3
SOIL SCI 323	Soil Biology	3
SOIL SCI 326	Plant Nutrition Management	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab	2
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 425	Behavioral Ecology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab	2
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology	3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory	2
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind	3

Option B (Biocore)

Biocore is an honors-level, integrated sequence of lecture and lab courses that covers introductory and intermediate biology topics. Students must apply and be accepted to the program to take BIOCORE classes.

Code	Title	Credits
Complete these lecture courses:		
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 383	Cellular Biology	3
BIOCORE 485	Principles of Physiology	3
BIOCORE 587	Biological Interactions	3
Complete two of these lab classes:		4
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Total Credits		**16**

PHYSICS (CALCULUS-BASED)

Physics Requirements

Code	Title	Credits
Complete one of the following options: [1]		
PHYSICS 207 & PHYSICS 208	General Physics and General Physics (recommended)	10
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	10

BIOCHEMISTRY

One set of introductory coursework and the capstone course are required, for a total of three BIOCHEM courses.

Introductory Courses

Code	Title	Credits
Select one of the following options:		
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II (recommended)	6-7
OR		
BIOCHEM 501	Introduction to Biochemistry	3
And one of the following advanced biochemistry electives:		
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	
BIOCHEM/ M M & I 575	Biology of Viruses	
BIOCHEM 601	Protein and Enzyme Structure and Function	
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology	
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	
BIOCHEM/ BOTANY 621	Plant Biochemistry	
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	
BIOCHEM/ GENETICS 631	Plant Genetics and Development	
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	

Capstone

Code	Title	Credits
BIOCHEM 551	Biochemical Methods	4
Total Credits		**4**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all BIOCHEM and major courses
- 2.000 GPA on at least 15 upper-level major credits in Residence. [2]
- 15 credits in BIOCHEM, taken on campus

[1] Students should consult with their advisor to discuss options if they have credit for PHYSICS 103 (http://guide.wisc.edu/search/?P=PHYSICS%20103) and PHYSICS 104 (http://guide.wisc.edu/search/?P=PHYSICS%20104).

[2] Major courses numbered 300-699 are considered Upper-Level in the major for purposes of this requirement.

HONORS IN THE MAJOR

Students may declare Honors in the Biochemistry Major in consultation with their Biochemistry undergraduate advisor. To be admitted to Honors in the Major in Biochemistry, students must have declared a major in Biochemistry and have a 3.300 overall university GPA.

HONORS IN THE MAJOR IN BIOCHEMISTRY: REQUIREMENTS

To earn honors in the major in biochemistry, students must satisfy the requirements for the major (above) as well as the following requirements. All courses used for honors in the major requirements must receive "B" or better grades to fulfill requirements.

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all BIOCHEM courses, and all courses accepted in the major
- Complete BIOCHEM 507 and BIOCHEM 508 for Honors
- Complete a two-semester Senior Honors Thesis for 6 credits total
- Complete at least 14 credits of any combination of the following coursework:
  - Honors courses that would fulfill the Biology or Biochemistry requirements in the major (see above)
  - Statistics coursework (does not need to be taken for honors): STAT 301, STAT 371, or STAT/B M I 541

- Biochemistry elective coursework beyond the major requirements (does not need to be taken for honors): NUTR SCI/ BIOCHEM 510, BIOCHEM/NUTR SCI 560, M M & I/ BIOCHEM 575, BIOCHEM 601, MATH/B M I/ BIOCHEM/BMOLCHEM 609, MICROBIO/BIOCHEM/ GENETICS 612, MD GENET/BIOCHEM/GENETICS 620, BOTANY/BIOCHEM 621, BIOCHEM 625, BIOCHEM/ GENETICS 631, BIOCHEM/NUTR SCI 645
- Honors coursework in MATH, CHEM, or PHYSICS, from the list below:

Math

Code	Title	Credits
MATH 341	Linear Algebra	3
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	5
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	5
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3

Chemistry

Code	Title	Credits
CHEM 109	Advanced General Chemistry	5
CHEM 115	Chemical Principles I	5
CHEM 116	Chemical Principles II	5
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 329	Fundamentals of Analytical Science	4
CHEM 547	Advanced Organic Chemistry	3
CHEM 561	Physical Chemistry I	3
CHEM 563	Physical Chemistry Laboratory I	1
CHEM 562	Physical Chemistry II	3
CHEM 564	Physical Chemistry Laboratory II	1
CHEM 665	Biophysical Chemistry	3

Physics

Code	Title	Credits
PHYSICS 201	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 207	General Physics	5
PHYSICS 208	General Physics	5
PHYSICS 241	Introduction to Modern Physics	3
PHYSICS 247	A Modern Introduction to Physics	5
PHYSICS 248	A Modern Introduction to Physics	5
PHYSICS 249	A Modern Introduction to Physics	4

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify the fundamental biochemical principles that underlie all biological processes.
2. Communicate biochemical knowledge in both written reports and oral presentations to scientists and non-scientists.
3. Evaluate how biochemistry relates to other scientific disciplines and to contemporary issues in our society.
4. Demonstrate professional and ethical responsibility in scientific research.
5. Design and conduct quantitative experiments and/or interpret data to address a scientific question.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

SAMPLE BIOCHEMISTRY FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104 (if needed)	5
MATH 221	5	MATH 222	4

Communications Part A	3	BIOCHEM 207 (recommended elective)	2
BIOCHEM 100[1]	1	Social Science Breadth	3
	13		**14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 151[2]	5	ZOOLOGY/BIOLOGY/ BOTANY 152	5
CHEM 343	3	CHEM 344	2
Literature Breadth	3	CHEM 345	3
Social Science Breadth	3	Ethnic Studies	3
INTER-LS 210	1	Social Science Breadth	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3-4
PHYSICS 207 or 201	5	PHYSICS 208 or 202	5
Humanities Breadth	3	CHEM 327	4
Electives	4	Literature Breadth	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
CHEM 665 or BIOCHEM 551	3-4	BIOCHEM 551 or CHEM 665	3-4
Upper-Level Biology for major	3	Upper-Level Biology for major	3
Social Science Breadth	3	Humanities Breadth	3
Electives	3	Electives	3
BIOCHEM 691 or 681 (if needed)[3]	3	BIOCHEM 692 or 682 (if needed)	3
	16		**16**

Total Credits 120

1 First-year students interested in exploring the major can enroll in BIOCHEM 100.

2 Students may wish to consider pursuing the Biology Core Curriculum (Biocore) Honors certificate. For more details about how BIOCORE coursework can help them meet requirements for this major, see the Requirements page (https://guide.wisc.edu/undergraduate/letters-science/college-wide/biochemistry-bs/#requirementstext). Students should consult with their advisor to identify the biological science sequence that best suits their academic and personal goals.

3 Senior Thesis, Directed Study, or work experience in laboratory are recommended, but are not required for the major. However, a Senior Honors Thesis is required to earn Honors in the Major.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Contact the academic advisor assigned to your last name: biochemmicrobio.wisc.edu/advising (https://biochemmicrobio.wisc.edu/advising/)

HOW TO SEEK ADVISING

- To schedule an appointment with the advisor, use Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).
- Send an email with brief questions to biochemmicrobio-advisor@wisc.edu.
- Drop-in advising hours for quick (10–15 minute) questions, on a first-come, first-serve basis, are posted on the Biochemistry / Microbiology Undergraduate Advising Hub website (https://biochemmicrobio.wisc.edu/) each semester.

CAREER EXAMPLES

- Take your skills to a rewarding career in product development, quality control, hospitals, biotechnology, university labs, pharmaceuticals, forensics, and more. Possibilities at top organizations and leading companies include positions such as protein purification scientist, lab manager, medical scribe, clinical research coordinator, and food safety and quality chemist.
- Pursue a professional degree in medical, dental, or veterinary school, using your background in biochemistry to aid your admission and success.
- Build on your research experience and continue graduate studies in biochemistry or a related field to shape a career in academia as a professor or in industry.
- Use your science background to inform patent law, science policy and ethics, sales and marketing for science and technology companies, scientific article publishing, and related fields.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in biochemistry, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- The American Society for Biochemistry and Molecular Biology (ASBMB) UW–Madison Student Chapter (https://win.wisc.edu/organization/ASBMB/) is a student organization for students

interested in biochemistry. ASBMB provides information about careers and job opportunities, how to get involved in research, and volunteer and outreach opportunities.

- Several biochemistry faculty members offer experiential study abroad programs, where students can immerse themselves in research or global health field experiences. Students can review the Biochemistry Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/biochemistry/) on the International Academic Programs website for information on these and other programs, as well as requirements that can typically be fulfilled abroad and things to consider when fitting study abroad into an academic plan.
- Students are encouraged to get involved in research, whether in the biochemistry department or through other life science or chemistry-related departments. Research can be performed for either course credit or pay, depending on the opportunity. The Biochemistry website (https://biochem.wisc.edu/academics/undergraduate-major-programs/) and the advisors can provide more information on finding research opportunities. Summer funding awards for research are available through the department.

BIOCHEMISTRY, BS (L&S)

Biochemistry is a very broad science that studies the molecules and chemistry of life. Biochemistry focuses on the structure, properties, and interactions of molecules such as proteins, nucleic acids, sugars and lipids. Biochemistry's aim is to understand how these molecules participate in the processes that support the various functions of the living cell. These studies are therefore essential for understanding disease and finding cures, for improving agriculture and the production of food and biofuels, and to produce innovation in biotechnology.

Whereas other biological science majors may focus on cellular, organismal, or population-level biology, biochemistry focuses on processes that occur at the molecular to cellular levels. Therefore, this major has a greater focus on basic and quantitative sciences, such as math and, particularly, on chemistry.

Biochemistry graduates go on to a variety of careers in science and science-related fields. The major is designed to fit the needs of the student who wishes to achieve bachelor's-level training as well as those planning to pursue graduate or professional study. The degree serves as an excellent background for medical school or veterinary school admission, as well as for graduate study in biochemistry or other allied fields (biology, bacteriology, genetics, molecular biology, or oncology).

HOW TO GET IN

HOW TO GET IN

Students may declare the major via an appointment with the undergraduate advisor at any time.

The Biochemistry major is offered through either CALS or the College of Letters & Science (L&S). Students interested in the differences or transferring between CALS and L&S should meet with the advisor to discuss this in more detail.

Students who attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences (CALS) have the option to declare biochemistry at SOAR. Students may otherwise declare after they have begun their undergraduate studies.

Students who intend to major in Biochemistry may not combine this major ("double major") with the Molecular and Cell Biology major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.

L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATHEMATICS

Mathematics Requirements

Code	Title	Credits
Complete one of the following options:		
MATH 221 & MATH 222	Calculus and Analytic Geometry 1 and Calculus and Analytic Geometry 2	9
MATH 171 & MATH 217 & MATH 222	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II and Calculus and Analytic Geometry 2	14

CHEMISTRY

General Chemistry

Code	Title	Credits
Complete one sequence:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II (satisfies both general and analytical chemistry requirements)	10

Organic Chemistry

Code	Title	Credits
Complete All:		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3

Analytical Chemistry

Code	Title	Credits
Complete one:		
CHEM 327	Fundamentals of Analytical Science	4
CHEM 329	Fundamentals of Analytical Science	4
CHEM 116	Chemical Principles II (satisfies both general and analytical chemistry requirements)	5

Physical Chemistry

Code	Title	Credits
Complete one:		
CHEM 665	Biophysical Chemistry (Recommended)	3
CHEM 561	Physical Chemistry I	3

BIOLOGY

Students must complete either Option A (introductory + upper-level biology), or Option B (biocore), for 16 total credits of biological science coursework.

Option A (Introductory and Upper-Level Biology)

Option A Introductory Biology

Code	Title	Credits
Complete one of the following introductory biology options:		
BIOLOGY/BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology (recommended)	10
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	10

And Option A Upper-Level Biology

At least 6 credits of upper-level biological science coursework are required (to achieve 16 total credits—more than 6 credits may be required if introductory biology totals less than 10 credits due to transfer credits). Select from the course list below. To see courses offered in specific upcoming semesters, please see the biochemistry website (https://biochem.wisc.edu/undergraduate_program/advanced-biology-courses-undergraduate-program/).

Important: A course may not double count in both the "upper-level biology" and the "biochemistry" requirements for the major. Biochemistry courses on this list can count only for "upper-level biology" if they are above-and-beyond what

is needed to fulfill the "biochemistry" portion of the major. For example, if students have taken BIOCHEM 501 (http://guide.wisc.edu/search/?P=BIOCHEM%20501), they will need one advanced biochemistry elective to fulfill the biochemistry requirement, and then any additional biochemistry courses taken can count for upper-level biology.

Code	Title	Credits
AGROECOL 370	Grassland Ecology	3
AGROECOL 377	Global Food Production and Health	3
ANAT&PHY 335	Physiology	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 435	Fundamentals of Human Physiology	5
AN SCI/ FOOD SCI 305	Introduction to Meat Science and Technology	4
AN SCI/DY SCI/ NUTR SCI 311	Comparative Animal Nutrition	3
AN SCI 314	Poultry Nutrition	3
AN SCI/DY SCI 320	Animal Health and Disease	3
AN SCI/DY SCI 361	Introduction to Animal and Veterinary Genetics	2
AN SCI/DY SCI 362	Veterinary Genetics	2
AN SCI/DY SCI 363	Principles of Animal Breeding	2
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
AN SCI/DY SCI 414	Ruminant Nutrition & Metabolism	3
AN SCI 415	Application of Monogastric Nutrition Principles	2
AN SCI 431	Beef Cattle Production	3
AN SCI 432	Swine Production	3
AN SCI/DY SCI 434	Reproductive Physiology	3
AN SCI 503	Avian Physiology	3
AN SCI 508	Poultry Products Technology	3
AN SCI 511	Breeder Flock and Hatchery Management	3
AN SCI 512	Management for Avian Health	3
AN SCI/ FOOD SCI 515	Commercial Meat Processing	2
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	3
AN SCI 610	Quantitative Genetics	3
AN SCI/ NUTR SCI 626	Experimental Diet Design	1
B M E/MED PHYS/ PHMCOL-M/PHYSICS/ RADIOL 619	Microscopy of Life	3
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology	3
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	2
BIOCHEM/ GENETICS 631	Plant Genetics and Development	3
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	3
BSE 349	Quantitative Techniques for Biological Systems	3
BSE 364	Engineering Properties of Food and Biological Materials	3
BSE 365	Measurements and Instrumentation for Biological Systems	3
BSE/ENVIR ST 367	Renewable Energy Systems	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
BSE 461	Food and Bioprocessing Operations	3
BSE 472	Sediment and Bio-Nutrient Engineering and Management	3
BMOLCHEM/ MICROBIO 668	Microbiology at Atomic Resolution	3
B M I/STAT 541	Introduction to Biostatistics	3
B M I/ COMP SCI 576	Introduction to Bioinformatics	3
BOTANY 300	Plant Anatomy	4
BOTANY 305	Plant Morphology and Evolution	4
BOTANY 330	Algae	3
BOTANY/ PL PATH 332	Fungi	4
BOTANY 400	Plant Systematics	4
BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
BOTANY 422	Plant Geography	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
BOTANY/ENTOM/ ZOOLOGY 473	Plant-Insect Interactions	3

BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
BOTANY 500	Plant Physiology	3-4
BOTANY/ENTOM/ PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
BOTANY/ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
BOTANY/ GENETICS/M M & I/ PL PATH 655	Biology and Genetics of Fungi	3
CHEM 575	Advanced Topics in Chemistry (Topics in Chemical Biology)	1-4
CRB 625	Stem Cell Seminar	1
CRB 640	Fundamentals of Stem Cell and Regenerative Biology	3
CRB 675	Topics in Cell and Regenerative Biology	1-3
DY SCI 378	Lactation Physiology	3
DY SCI 535	Dairy Farm Management Practicum	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENTOM 321	Physiology of Insects	3
ENTOM 331	Taxonomy of Mature Insects	4
ENTOM 351	Principles of Economic Entomology	3
ENTOM/ ZOOLOGY 371	Medical Entomology: Biology of Vector and Vector-borne Diseases	3
ENTOM 432	Taxonomy and Bionomics of Immature Insects	4
ENTOM/ ZOOLOGY 540	Theoretical Ecology	3
ENTOM/GENETICS/ ZOOLOGY 624	Molecular Ecology	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
ENVIR ST/ ATM OCN 520	Bioclimatology	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory	2
FOOD SCI/ MICROBIO 325	Food Microbiology	3
FOOD SCI 410	Food Chemistry	3
FOOD SCI 440	Principles of Food Engineering	3
FOOD SCI 511	Chemistry and Technology of Dairy Products	3
FOOD SCI 514	Integrated Food Functionality	4
FOOD SCI 550	Fermented Foods and Beverages	2
FOOD SCI 611	Chemistry and Technology of Dairy Products	3
F&W ECOL 300	Forest Measurements	4
F&W ECOL 306	Terrestrial Vertebrates: Life History and Ecology	4
F&W ECOL 318	Principles of Wildlife Ecology	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
F&W ECOL/ ENVIR ST/ ZOOLOGY 360	Extinction of Species	3
F&W ECOL 379	Principles of Wildlife Management	3
F&W ECOL 401	Physiological Animal Ecology	3
F&W ECOL 410	Principles of Silviculture	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 561	Wildlife Management Techniques	3
F&W ECOL/ LAND ARC/ ZOOLOGY 565	Principles of Landscape Ecology	2
F&W ECOL 590	Integrated Resource Management	3
F&W ECOL 655	Animal Population Dynamics	3
GEN&WS 533	Special Topics in Gender and Biology	3
GENETICS 466	Principles of Genetics	3
GENETICS 467	General Genetics 1	3
GENETICS 468	General Genetics 2	3
GENETICS 525	Epigenetics	3
GENETICS 545	Genetics Laboratory	2
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS 566	Advanced Genetics	3
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	3
M M & I/PATH-BIO 528	Immunology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
MED PHYS/ H ONCOL 410	Radiobiology	2-3
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry	3
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3

MICROBIO 345	Introduction to Disease Biology	3
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	3
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	3
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology	2
MICROBIO 551	Capstone Research Project in Microbiology	2
MICROBIO 626	Microbial and Cellular Metabolomics	3
NEURODPT 629	Molecular and Cellular Mechanisms of Memory	3
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience	4
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience	4
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
NUTR SCI 379	Introduction to Epidemiology	3
NUTR SCI 431	Nutrition in the Life Span	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
ONCOLOGY/ M&ENVTOX/ PHM SCI/PHMCOL-M/POP HLTH 625	Toxicology I	3
PHM SCI 310	Drugs and Their Actions	2
PHM SCI/B M E 430	Biological Interactions with Materials	3
PHYSICS/B M E/ MED PHYS/ PHMCOL-M/ RADIOL 619	Microscopy of Life	3
PL PATH 300	Introduction to Plant Pathology	4
PL PATH 517	Plant Disease Resistance	2-3
PL PATH 559	Diseases of Economic Plants	3
PL PATH 602	Ecology, Epidemiology and Control of Plant Diseases	3
PL PATH 622	Plant-Bacterial Interactions	2-3
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 320	Environment of Cultivated Plants	3
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 340	Plant Genome Engineering and Editing	3
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI/ ATM OCN 532	Environmental Biophysics	3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PSYCH 454	Behavioral Neuroscience	3
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 612	Neuropharmacology	3
SOIL SCI 323	Soil Biology	3
SOIL SCI 326	Plant Nutrition Management	3
SOIL SCI/ F&W ECOL 451	Environmental Biogeochemistry	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
ZOOLOGY 300	Invertebrate Biology and Evolution	3
ZOOLOGY 301	Invertebrate Biology and Evolution Lab	2
ZOOLOGY 304	Marine Biology	2
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
ZOOLOGY 425	Behavioral Ecology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab	2
ZOOLOGY/ PSYCH 523	Neurobiology	3
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology	3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 570	Cell Biology	3
ZOOLOGY 603	Endocrinology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory	2
ZOOLOGY/ ANTHRO/ PSYCH 619	Biology of Mind	3

Option B (Biocore)

Biocore is an honors-level, integrated sequence of lecture and lab courses that covers introductory and intermediate biology topics. Students must apply and be accepted to the program to take BIOCORE classes.

Code	Title	Credits
Complete these lecture courses:		
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOCORE 383	Cellular Biology	3
BIOCORE 485	Principles of Physiology	3
BIOCORE 587	Biological Interactions	3
Complete two of these lab classes:		4
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
Total Credits		**16**

PHYSICS (CALCULUS-BASED)

Physics Requirements

Code	Title	Credits
Complete one of the following options: [1]		
PHYSICS 207 & PHYSICS 208	General Physics and General Physics (recommended)	10
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	10

BIOCHEMISTRY

One set of introductory coursework and the capstone course are required, for a total of three BIOCHEM courses.

Introductory Courses

Code	Title	Credits
Select one of the following options:		
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II (recommended)	6-7
OR		
BIOCHEM 501	Introduction to Biochemistry	3
And one of the following advanced biochemistry electives:		
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	
BIOCHEM/ M M & I 575	Biology of Viruses	
BIOCHEM 601	Protein and Enzyme Structure and Function	
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology	
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	
BIOCHEM/ BOTANY 621	Plant Biochemistry	
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals	
BIOCHEM/ GENETICS 631	Plant Genetics and Development	
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	

Capstone

Code	Title	Credits
BIOCHEM 551	Biochemical Methods	4
Total Credits		**4**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all BIOCHEM and major courses
- 2.000 GPA on at least 15 upper-level major credits in Residence. [2]
- 15 credits in BIOCHEM, taken on campus

[1] Students should consult with their advisor to discuss options if they have credit for PHYSICS 103 (http://guide.wisc.edu/search/?P=PHYSICS%20103) and PHYSICS 104 (http://guide.wisc.edu/search/?P=PHYSICS%20104).

[2] Major courses numbered 300-699 are considered Upper-Level in the major for purposes of this requirement.

HONORS IN THE MAJOR

Students may declare Honors in the Biochemistry Major in consultation with their Biochemistry undergraduate advisor. To be admitted to Honors in the Major in Biochemistry, students must have declared a major in Biochemistry and have a 3.300 overall university GPA.

HONORS IN THE MAJOR IN BIOCHEMISTRY: REQUIREMENTS

To earn honors in the major in biochemistry, students must satisfy the requirements for the major (above) as well as the following requirements. All courses used for honors in the major requirements must receive "B" or better grades to fulfill requirements.

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all BIOCHEM courses, and all courses accepted in the major
- Complete BIOCHEM 507 and BIOCHEM 508 for Honors
- Complete a two-semester Senior Honors Thesis for 6 credits total
- Complete at least 14 credits of any combination of the following coursework:
  - Honors courses that would fulfill the Biology or Biochemistry requirements in the major (see above)
  - Statistics coursework (does not need to be taken for honors): STAT 301, STAT 371, or STAT/B M I 541
  - Biochemistry elective coursework beyond the major requirements (does not need to be taken for honors): NUTR SCI/ BIOCHEM 510, BIOCHEM/NUTR SCI 560, M M & I/ BIOCHEM 575, BIOCHEM 601, MATH/B M I/ BIOCHEM/BMOLCHEM 609, MICROBIO/BIOCHEM/ GENETICS 612, MD GENET/BIOCHEM/GENETICS 620,

BOTANY/BIOCHEM 621, BIOCHEM 625, BIOCHEM/GENETICS 631, BIOCHEM/NUTR SCI 645

- Honors coursework in MATH, CHEM, or PHYSICS, from the list below:

Math

Code	Title	Credits
MATH 341	Linear Algebra	3
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	5
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	5
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3

Chemistry

Code	Title	Credits
CHEM 109	Advanced General Chemistry	5
CHEM 115	Chemical Principles I	5
CHEM 116	Chemical Principles II	5
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 329	Fundamentals of Analytical Science	4
CHEM 547	Advanced Organic Chemistry	3
CHEM 561	Physical Chemistry I	3
CHEM 563	Physical Chemistry Laboratory I	1
CHEM 562	Physical Chemistry II	3
CHEM 564	Physical Chemistry Laboratory II	1
CHEM 665	Biophysical Chemistry	3

Physics

Code	Title	Credits
PHYSICS 201	General Physics	5
PHYSICS 202	General Physics	5
PHYSICS 207	General Physics	5
PHYSICS 208	General Physics	5
PHYSICS 241	Introduction to Modern Physics	3
PHYSICS 247	A Modern Introduction to Physics	5
PHYSICS 248	A Modern Introduction to Physics	5
PHYSICS 249	A Modern Introduction to Physics	4

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify the fundamental biochemical principles that underlie all biological processes.
2. Communicate biochemical knowledge in both written reports and oral presentations to scientists and non-scientists.
3. Evaluate how biochemistry relates to other scientific disciplines and to contemporary issues in our society.
4. Demonstrate professional and ethical responsibility in scientific research.
5. Design and conduct quantitative experiments and/or interpret data to address a scientific question.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

SAMPLE BIOCHEMISTRY FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104 (if needed)	5
MATH 221	5	MATH 222	4
Communications Part A	3	BIOCHEM 207 (recommended elective)	2
BIOCHEM 100[1]	1	Social Science Breadth	3
	13		**14**

Sophomore

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 151[2]	5	ZOOLOGY/BIOLOGY/ BOTANY 152	5
CHEM 343	3	CHEM 344	2
Literature Breadth	3	CHEM 345	3

Social Science Breadth	3	Ethnic Studies	3
INTER-LS 210	1	Social Science Breadth	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3-4
PHYSICS 207 or 201	5	PHYSICS 208 or 202	5
Humanities Breadth	3	CHEM 327	4
Electives	4	Literature Breadth	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
CHEM 665 or BIOCHEM 551	3-4	BIOCHEM 551 or CHEM 665	3-4
Upper-Level Biology for major	3	Upper-Level Biology for major	3
Social Science Breadth	3	Humanities Breadth	3
Electives	3	Electives	3
BIOCHEM 691 or 681 (if needed)[3]	3	BIOCHEM 692 or 682 (if needed)	3
	16		**16**

Total Credits 120

1 First-year students interested in exploring the major can enroll in BIOCHEM 100.

2 Students may wish to consider pursuing the Biology Core Curriculum (Biocore) Honors certificate. For more details about how BIOCORE coursework can help them meet requirements for this major, see the Requirements page (https://guide.wisc.edu/undergraduate/letters-science/college-wide/biochemistry-bs/#requirementstext). Students should consult with their advisor to identify the biological science sequence that best suits their academic and personal goals.

3 Senior Thesis, Directed Study, or work experience in laboratory are recommended, but are not required for the major. However, a Senior Honors Thesis is required to earn Honors in the Major.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Contact the academic advisor assigned to your last name: biochemmicrobio.wisc.edu/advising (https://biochemmicrobio.wisc.edu/advising/)

HOW TO SEEK ADVISING

- To schedule an appointment with the advisor, use Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).
- Send an email with brief questions to biochemmicrobio-advisor@wisc.edu.
- Drop-in advising hours for quick (10–15 minute) questions, on a first-come, first-serve basis, are posted on the Biochemistry / Microbiology Undergraduate Advising Hub website (https://biochemmicrobio.wisc.edu/) each semester.

CAREER EXAMPLES

- Take your skills to a rewarding career in product development, quality control, hospitals, biotechnology, university labs, pharmaceuticals, forensics, and more. Possibilities at top organizations and leading companies include positions such as protein purification scientist, lab manager, medical scribe, clinical research coordinator, and food safety and quality chemist.
- Pursue a professional degree in medical, dental, or veterinary school, using your background in biochemistry to aid your admission and success.
- Build on your research experience and continue graduate studies in biochemistry or a related field to shape a career in academia as a professor or in industry.
- Use your science background to inform patent law, science policy and ethics, sales and marketing for science and technology companies, scientific article publishing, and related fields.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in biochemistry, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- The American Society for Biochemistry and Molecular Biology (ASBMB) UW–Madison Student Chapter (https://win.wisc.edu/organization/ASBMB/) is a student organization for students interested in biochemistry. ASBMB provides information about careers and job opportunities, how to get involved in research, and volunteer and outreach opportunities.
- Several biochemistry faculty members offer experiential study abroad programs, where students can immerse themselves in research or global health field experiences. Students can review the Biochemistry Major Advising Page (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/biochemistry/) on the International Academic Programs website for information on these and other programs, as

well as requirements that can typically be fulfilled abroad and things to consider when fitting study abroad into an academic plan.

- Students are encouraged to get involved in research, whether in the biochemistry department or through other life science or chemistry-related departments. Research can be performed for either course credit or pay, depending on the opportunity. The Biochemistry website (https://biochem.wisc.edu/academics/undergraduate-major-programs/) and the advisors can provide more information on finding research opportunities. Summer funding awards for research are available through the department.

COLLEGE OF LETTERS & SCIENCE HONORS IN THE LIBERAL ARTS

The College of Letters & Science Honors Program provides a community for many of the university's most talented and engaged undergraduates. Students of all backgrounds and academic interests challenge and learn from each other while working closely with faculty members and completing Honors coursework. The Honors Program is home to around 1,500 motivated, curious students, all pursuing one of three degree tracks: Honors in the Liberal Arts, Honors in the Major, or Comprehensive Honors —the highest undergraduate degree awarded by the college. In addition to an enhanced curriculum that offers small, faculty-led courses, the program also offers academic advising services; grants, scholarships, and awards; and many professional development and cocurricular opportunities. Events, term-specific deadlines, and much more can be found on the L&S Honors Program website (http://honors.ls.wisc.edu/). We welcome inquiries via email at honors@honors.ls.wisc.edu. The L&S Honors Program is located in the historic Washburn Observatory at 1401 Observatory Drive in Madison, WI 53706.

HOW TO GET IN

HOW TO GET IN

To become a candidate for the Honors in the Liberal Arts degree, a student must apply directly to the L&S Honors Program. Students follow different application procedures based on whether they are an incoming (non-transfer) student newly admitted to the College of Letters and Science, a transfer student, or a continuing L&S student.

All students admitted to the university and to the College of Letters & Science are invited to apply to be considered for admission to the Honors Program to pursue the Honors in the Liberal Arts degree. Interested incoming students can apply via an online application. L&S admitted students receive an invitation message by email that contains application instructions, and instructions are also on the Honors Program website. Admission to the program is competitive, and space is limited.

Continuing L&S undergraduates and transfer students with a cumulative grade point average of 3.300 or above who are currently enrolled at UW–Madison or who are transferring to UW–Madison from another college or university may apply. Application instructions and decision timelines are available on the Honors Program website (http://honors.ls.wisc.edu/). While continuing or transfer students having 60 or more credits at the time of application to the Honors Program are eligible to pursue the Honors in the Liberal Arts (HLA) degree track, they are encouraged to consider Honors in the Major (HM) as an option (see below), since they may find it difficult to prioritize and complete the HLA degree requirements. Meeting with an Honors advisor can help interested students understand Honors requirements and possible paths forward.

REQUIREMENTS

REQUIREMENTS

Honors in the Liberal Arts requires students earn Honors credits in a breadth of disciplines and is meant to enrich and enhance a student's academic experience outside of the major. Coursework toward Honors in the Liberal Arts should be started as soon as possible and spread throughout a student's undergraduate degree. Students who complete this curriculum build connections with faculty and peers and develop strong skills in communication, critical thinking and complex problem solving, which will serve them well regardless of career path. The specific requirements for the HLA degree are:

- completion of the L&S general degree requirements
- a University GPA of 3.300 or higher at the time of graduation
- completion of at least 24 credits in Honors courses with the Liberal Arts & Science (LAS) designation and with grades of B or better, of which:
  - at least 15 credits must be in courses with the Honors Only or Accelerated Honors designation
  - 6 of the credits must be courses designated as Humanities (may include Literature designation)
  - 6 of the credits must be courses designated as Social Science
  - 6 of the credits must be courses designated as Biological, Physical, or Natural Science

Honors may be earned in any L&S undergraduate degree (Bachelor of Arts; Bachelor of Science; Bachelor of Science–Applied Mathematics, Engineering, and Physics; Bachelor of Arts–Journalism or Bachelor of Science–Journalism; Bachelor of Landscape Architecture; Bachelor of Music; and Bachelor of Social Work). For students who complete the requirements, Honors will appear on diplomas and transcripts (for example, BA with Honors in the Liberal Arts or BS with Honors in the Major).

ADVISING AND CAREERS

ADVISING AND CAREERS

The L&S Honors Program has a team of dedicated academic advisors who accompany and support Honors candidates from the time the students join the Honors Program through their graduation. Advisors help individual students as they navigate a large, complex university, explore diverse educational and cocurricular experiences, and develop and pursue long-term goals. Advising occurs through a variety of formats including small group workshops, individual appointments, drop-in hours, and email. Additional information is available on the Honors Program website (http://honors.ls.wisc.edu/).

The L&S Honors Program encourages our students to begin working on their career exploration and preparation soon after arriving on campus. We partner with the L&S SuccessWorks office to help students leverage the academic skills learned in the major(s) and liberal arts degree, explore and try out different career paths, participate in internships, prepare for

the job search and/or graduate school applications, and network with professionals in the field (alumni and employers).

INDIVIDUAL MAJOR, BA

The Individual Major in the College of Letters & Science is a method of fulfilling the depth requirement for students whose interests bridge existing departments and disciplines in ways not accommodated by an existing major. The Individual Major must consist of a coherent pattern of courses in more than one department or recognized interdisciplinary program in the College of Letters & Science and must be approved by a committee of appropriate faculty from the College of Letters & Science.

Getting approval to pursue an Individual Major is never guaranteed. Thus, students should discuss alternative majors with their academic advisors and be willing to pursue them. Students interested in learning more about the Individual Major should contact L&S Undergraduate Academic Deans' Services to set up an appointment with the coordinator for the Individual Major prior to starting this process.

HOW TO GET IN

HOW TO GET IN

ELIGIBILITY

To declare an Individual Major, students must

- Be an L&S degree student
- Have a minimum University GPA of 2.000
- Receive committee approval (see below) by the first semester of the junior.
- A student may only earn one individual major.

APPLYING FOR AN INDIVIDUAL MAJOR

Applications for the individual major are accepted up to Friday of the fourth week of classes in the fall and spring semesters only. Applications received after that deadline will be reviewed during the following term. Individual major applications are not reviewed during the summer.

The application **must** include:

1. A meeting with the academic dean coordinator for the L&S undergraduate individual major;
2. A cover letter from the student to the Faculty Committee on Individual Majors describing the area of interest, explaining why the academic goals of the individual major cannot be achieved through an existing major or combination of majors and certificates, and discussing the individual major's applicability to future goals and plans;
3. A list of courses that will be included in the major along with a narrative explaining how the courses included on the list apply to the proposed individual major program (**NOTE: students can use a maximum of two (2) courses completed prior to getting the Individual Major approved as part of their list of courses**);
4. A letter of recommendation and support for the proposal from the individual major advisor; and
5. The student's current student record (unofficial transcript).

Additional supporting materials may also be included. Students must submit the original completed application with all supporting documentation in an electronic format to the individual major coordinator by the deadline**.**

Each individual major application is reviewed by a committee of three faculty members from the College of Letters & Science, each representing a department related to the proposed major. The faculty committee evaluates the proposal for coherence, appropriate breadth and depth, and similarity to existing majors. The committee may approve the proposal as submitted, recommend modifications, reject the proposal altogether, or reject it with an invitation to revise and resubmit in a later semester. The committee's decision is final. Committee approval is necessary for the student to declare the individual major.

Students may propose to complete an Individual Major with Honors by appending an Honors in the Major proposal to the regular individual major proposal.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

DEVELOPING AN INDIVIDUAL MAJOR

Students are required to complete at least 30 credits after the term in which approval is given, and complete their approved individual major course plan (see below)

The student takes primary responsibility for developing an individual major proposal. A well-written proposal must meet the requirements and rigor for a major in the College of Letters & Science; therefore, a proposal must be more than a list of courses that are similar in content area or subject matter. The student proposing an individual major must also demonstrate that the proposed individual major is not currently available as an option in any of the L&S majors or certificate programs.

Students interested in the individual major should consult with the individual major coordinator as part of the process of defining the theme or topic for the individual major. The coordinator will provide information and feedback about the construction of the major and how it might relate to other majors in the college as well.

Once a theme or topic has been identified, the student must find a tenured faculty member in the College of Letters & Science who is willing to serve as the individual major adviser. This designated faculty advisor will:

- assist the student in constructing the individual major proposal by defining the relevant themes, learning objectives, and rationale for the major and by sharpening presentation of the student's individual major proposal;
- assist in the review and selection of courses for the major plan included in the proposal;
- advise the student in course selection after the proposal is approved and, in consultation with the individual major coordinator, track progress toward completion of the major.

As soon as the topic and the advisor (i.e., a tenured faculty member in an L&S academic department) are known, the student should meet with the individual major coordinator within L&S Academic Deans' Services by calling 608-262-0617 to set up a meeting. *The purpose of this meeting is to review the details of individual major requirements and to review procedures*.

HONORS IN THE INDIVIDUAL MAJOR: REQUIREMENTS

To earn Honors in the Individual Major, students must:

- Complete 36 credits toward the individual major
- Complete 20 credits, taken for Honors, with individual grades of B or better, toward the individual major, to include a two-semester Senior Honors Thesis for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Due to the nature of the Individual Major, the following four-year plan is meant solely as a guide. Once/if a student is approved to pursue an Individual Major, the student will develop and discuss their four-year plan with their advisor.

First Year

Fall	Credits	Spring	Credits
Communication-A (complete during your first year)	3	Ethnic Studies (complete within your first 60 credits)	3
Quantitative Reasoning-A (complete during your first year)	3-4	Foreign Language (if needed)	4
Foreign Language (if required)	4	Elective	3
L&S Breadth	3	L&S Breadth	3
		I/A Comp Sci, Math, or Stats (if required for the BS degree)	4-5
	13		**17**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning-B	3	Communication-B	3
I/A Comp Sci, Math, or Stats (if required for the BS degree)	3-4	INTER-LS 215 (optional)	3
INTER-LS 210 (optional)	1	L&S Breadth	3
L&S Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
L&S Breadth	3	Approved IM Major Course	3
Approved IM Major Course	3	Approved IM Major Course	3
Approved IM Major Course	3	L&S Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Approved IM Major Course	3	Approved IM Major Course	3
Approved IM Major Course	3	Approved IM Major Course	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	2-3
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Students interested in learning more about the L&S Individual Major should contact L&S Undergraduate Academic Deans' Services to set up an individual appointment with the coordinator for the Individual Major prior to starting this process. The purpose of this meeting is solely to review the details of Individual Major requirements, go over procedures, and determine whether an Individual Major is a viable option based on the student's academic interest and the resources available within the College of Letters & Science. Read more at deans.ls.wisc.edu/policies-forms/individual-major/ (https://deans.ls.wisc.edu/policies-forms/individual-major/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

INDIVIDUAL MAJOR, BS

The Individual Major in the College of Letters & Science is a method of fulfilling the depth requirement for students whose interests bridge existing departments and disciplines in ways not accommodated by an existing major. The Individual Major must consist of a coherent pattern of courses in more than one department or recognized interdisciplinary program in the College of Letters & Science and must be approved by a committee of appropriate faculty from the College of Letters & Science.

Getting approval to pursue an Individual Major is never guaranteed. Thus, students should discuss alternative majors with their academic advisors and be willing to pursue them. Students interested in learning more about the Individual Major should contact L&S Undergraduate Academic Deans' Services to set up an appointment with the coordinator for the Individual Major prior to starting this process.

HOW TO GET IN

HOW TO GET IN

ELIGIBILITY

To declare an Individual Major, students must

- Be an L&S degree student
- Have a minimum University GPA of 2.000
- Receive committee approval (see below) by the first semester of the junior.
- A student may only earn one individual major.

APPLYING FOR AN INDIVIDUAL MAJOR

Applications for the individual major are accepted up to Friday of the fourth week of classes in the fall and spring semesters only. Applications received after that deadline will be reviewed during the following term. Individual major applications are not reviewed during the summer.

The application **must** include:

1. A meeting with the academic dean coordinator for the L&S undergraduate individual major;
2. A cover letter from the student to the Faculty Committee on Individual Majors describing the area of interest, explaining why the academic goals of the individual major cannot be achieved through an existing major or combination of majors and certificates, and discussing the individual major's applicability to future goals and plans;
3. A list of courses that will be included in the major along with a narrative explaining how the courses included on the list apply to the proposed individual major program (**NOTE: students can use a maximum of two (2) courses completed prior to getting the Individual Major approved as part of their list of courses**);
4. A letter of recommendation and support for the proposal from the individual major advisor; and
5. The student's current student record (unofficial transcript).

Additional supporting materials may also be included. Students must submit the original completed application with all supporting documentation in an electronic format to the individual major coordinator by the deadline**.**

Each individual major application is reviewed by a committee of three faculty members from the College of Letters & Science, each representing a department related to the proposed major. The faculty committee evaluates the proposal for coherence, appropriate breadth and depth, and similarity to existing majors. The committee may approve the proposal as submitted, recommend modifications, reject the proposal altogether, or reject it with an invitation to revise and resubmit in a later semester. The committee's decision is final. Committee approval is necessary for the student to declare the individual major.

Students may propose to complete an Individual Major with Honors by appending an Honors in the Major proposal to the regular individual major proposal.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.

Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

DEVELOPING AN INDIVIDUAL MAJOR

Students are required to complete at least 30 credits after the term in which approval is given, and complete their approved individual major course plan (see below)

The student takes primary responsibility for developing an individual major proposal. A well-written proposal must meet the requirements and rigor for a major in the College of Letters & Science; therefore, a proposal must be more than a list of courses that are similar in content area or subject matter. The student proposing an individual major must also demonstrate that the proposed individual major is not currently available as an option in any of the L&S majors or certificate programs.

Students interested in the individual major should consult with the individual major coordinator as part of the process of defining the theme or topic for the individual major. The coordinator will provide information and feedback about the construction of the major and how it might relate to other majors in the college as well.

Once a theme or topic has been identified, the student must find a tenured faculty member in the College of Letters & Science who is willing to serve as the individual major adviser. This designated faculty advisor will:

- assist the student in constructing the individual major proposal by defining the relevant themes, learning objectives, and rationale for the major and by sharpening presentation of the student's individual major proposal;
- assist in the review and selection of courses for the major plan included in the proposal;
- advise the student in course selection after the proposal is approved and, in consultation with the individual major coordinator, track progress toward completion of the major.

As soon as the topic and the advisor (i.e., a tenured faculty member in an L&S academic department) are known, the student should meet with the individual major coordinator within L&S Academic Deans' Services by calling 608-262-0617 to set up a meeting. *The purpose of this meeting is to review the details of individual major requirements and to review procedures.*

HONORS IN THE INDIVIDUAL MAJOR: REQUIREMENTS

To earn Honors in the Individual Major, students must:

- Complete 36 credits toward the individual major
- Complete 20 credits, taken for Honors, with individual grades of B or better, toward the individual major, to include a two-semester Senior Honors Thesis for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Due to the nature of the Individual Major, the following four-year plan is meant solely as a guide. Once/if a student is approved to pursue an Individual Major, the student will develop and discuss their four-year plan with their advisor.

First Year

Fall	Credits	Spring	Credits
Communication-A (complete during your first year)	3	Ethnic Studies (complete within your first 60 credits)	3
Quantitative Reasoning-A (complete during your first year)	3-4	Foreign Language (if needed)	4
Foreign Language (if required)	4	Elective	3
L&S Breadth	3	L&S Breadth	3

		I/A Comp Sci, Math, or Stats (if required for the BS degree)	4-5
	13		**17**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning-B	3	Communication-B	3
I/A Comp Sci, Math, or Stats (if required for the BS degree)	3-4	INTER-LS 215 (optional)	3
INTER-LS 210 (optional)	1	L&S Breadth	3
L&S Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
L&S Breadth	3	Approved IM Major Course	3
Approved IM Major Course	3	Approved IM Major Course	3
Approved IM Major Course	3	L&S Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Approved IM Major Course	3	Approved IM Major Course	3
Approved IM Major Course	3	Approved IM Major Course	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	2-3
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Students interested in learning more about the L&S Individual Major should contact L&S Undergraduate Academic Deans' Services to set up an individual appointment with the coordinator for the Individual Major prior to starting this process. The purpose of this meeting is solely to review the details of Individual Major requirements, go over procedures, and determine whether an Individual Major is a viable option based on the student's academic interest and the resources available within the College of Letters & Science. Read more at deans.ls.wisc.edu/policies-forms/individual-major/ (https://deans.ls.wisc.edu/policies-forms/individual-major/).

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

MICROBIOLOGY, BA (L&S)

Admissions to the Microbiology BA/BS (L&S) have been suspended as of fall 2023 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

Students interested in Microbiology can contact the Microbiology major advisors (biochemmicrobio-advisor@wisc.edu) to discuss the College of Agricultural and Life Sciences Microbiology major (p. 101). For other questions, please contact CALS Academic Affairs (academicaffairs@cals.wisc.edu).

Microbiology, the study of microorganisms, helps us understand our world and solve major problems. Microorganisms, or microbes, were the first life forms on Earth and influence our lives and our planet in innumerable ways. The field of microbiology is constantly expanding as we learn more about the role of microbes in infectious disease, environmental remediation, bioenergy, food safety, antibiotic resistance, biotechnology, and much more. Communities of microbes (or "microbiomes") are critically important in human health, global warming, agricultural yield, criminal justice, economic development, and other issues of national concern.

The Microbiology major, offered by the Department of Bacteriology, is a rigorous path of study, providing a curriculum packed with deep knowledge on broad aspects of microbiology and emphasizing modern laboratory skills. The core courses focus on the diversity, genetics, biochemistry, and physiology of microorganisms. A variety of elective courses provide the opportunity to study environmental microbiology, food microbiology, microbial pathogenesis, immunology, virology, microbiomes, and microbial biotechnology, as well as advanced topics in microbial genetics and physiology. In the instructional laboratory courses, students learn beginning through advanced laboratory techniques – gaining the type of hands-on experiences with modern equipment that employers and graduate schools seek. Additionally, students can conduct mentored and independent research projects in faculty laboratories.

The bachelor's degree provides a strong background in the biological sciences for students planning to enter medical, dental, veterinary, or other professional schools, as well as those planning graduate studies

in any branch of microbiology or other biological sciences such as biochemistry, pathology, and molecular or cell biology.

Students who end their training with a bachelor's degree are well-prepared for a variety of career opportunities, including laboratory positions in pharmaceutical firms, biotechnology firms, university laboratories, and government laboratories. They also work as specialists in industrial quality testing and control and as regulatory workers in government agencies and public health laboratories. Exposure to the scientific process as well as training in microbiology allows microbiology graduates to enter fields as diverse as business, technical service, sales, and technical writing.

HOW TO GET IN

HOW TO GET IN

Admissions to the Microbiology [BA or BS (L&S)] have been suspended as of fall 2023, and the program will be discontinued as of fall 2027. Students interested in Microbiology can contact the microbiology major advisors (biochemmicrobio-advisor@wisc.edu) to discuss the College of Agricultural and Life Sciences Microbiology major. For other questions, please contact CALS Academic Affairs (academicaffairs@cals.wisc.edu).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Mathematics		
Complete one of the following:		5-10

MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Statistics		
Complete one of the following:		3
STAT 371	Introductory Applied Statistics for the Life Sciences (Recommended)	
STAT 301	Introduction to Statistical Methods	
STAT 240	Data Science Modeling I	
General Chemistry		
Complete one of the following:		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
Complete ALL of the following:		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Biology Foundation		
Complete one of the following:		10-13
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384 & BIOCORE 485	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory and Principles of Physiology	
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	
Physics		
Complete one of the following:		8-10
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
Biochemistry		
Complete one of the following:		3-6
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	
Microbiology Courses		
Microbiology Core (all required):		
Except where noted, all Microbiology Core courses are offered every fall and spring semester.		
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms (SPRING ONLY)	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology (FALL ONLY)	2
Microbiology Capstone (required):		
MICROBIO 551	Capstone Research Project in Microbiology (SPRING ONLY)	2
Microbiology Electives		
Complete at least 6 credits; at least 3 credits must come from Set A. Not all elective courses are offered every semester.		
Set A:		3-6
MICROBIO/ FOOD SCI 324	Food Microbiology Laboratory	
MICROBIO/ FOOD SCI 325	Food Microbiology	
MICROBIO/ AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	
MICROBIO 345	Introduction to Disease Biology	
MICROBIO 357	General Bioinformatics for Microbiologists	
MICROBIO/ SOIL SCI 425	Environmental Microbiology	
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe	
MICROBIO/ ONCOLOGY 545	Topics in Biotechnology (topics vary by semester)	
MICROBIO/ BIOCHEM/ GENETICS 612	Prokaryotic Molecular Biology	
MICROBIO 657	Bioinformatics for Microbiologists	
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	
Set B:		0-3
BIOCHEM/M M & I 575	Biology of Viruses	

BIOCHEM 601	Protein and Enzyme Structure and Function
BOTANY 330	Algae
BOTANY/PL PATH 332	Fungi
BOTANY/ ENTOM/PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects
CHEM 665	Biophysical Chemistry
COMP SCI/ B M I 576	Introduction to Bioinformatics
F&W ECOL/SURG SCI 548	Diseases of Wildlife
FOOD SCI 550	Fermented Foods and Beverages
M M & I 301	Pathogenic Bacteriology
M M & I 341	Immunology
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology
M M & I 554	Emerging Infectious Diseases and Bioterrorism
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses
PATH-BIO/ M M & I 528	Immunology
PL PATH 622	Plant-Bacterial Interactions
PL PATH/ BOTANY/ GENETICS/ M M & I 655	Biology and Genetics of Fungi
Total Credits	**64-88**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all MICROBIO courses and courses approved for the major
- 2.000 GPA on 15 upper-level major credits, in residence[1]
- 15 credits of MICROBIO or courses counting toward the major, taken on campus

[1] MICROBIO 300 through 699 count as upper level in the major, excluding MICROBIO 303 and MICROBIO 304. Intermediate- and advanced-level courses outside of MICROBIO that count for the major are also considered upper level.

HONORS IN THE MAJOR

Students may declare Honors in the Microbiology Major in consultation with the Microbiology undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Microbiology, students must satisfy both the requirements for the major (above) and the following requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all courses accepted in the major
- MICROBIO 681 and MICROBIO 682 for a total of 6 credits
- 9 credits of Honors course work (with grade B or better) from:

Code	Title	Credits
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 526	Physiology of Microorganisms	3
PATH-BIO/ M M & I 528	Immunology	3
MICROBIO/ BIOCHEM/ GENETICS 612	Prokaryotic Molecular Biology	3
PL PATH 622	Plant-Bacterial Interactions	2-3
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop a fundamental understanding of the principles of microbiology and the necessary skills for a professional career in microbiology.
2. Apply the scientific method to questions. Formulate a hypothesis, gather data, and analyze that data to assess the degree to which their work supports the hypothesis.

3. Demonstrate proficiency in the techniques used in microbiology and an ability to critically analyze data and integrate ideas for problem solving.
4. Access the primary and secondary literature and, in combination with their own findings, effectively communicate their ideas both orally and in written form.
5. Learn about and demonstrate personal and professional ethics.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

SAMPLE MICROBIOLOGY FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
General Chemistry	4-5	General Chem or Electives	5
Math	3	Math	3-5
Communication A	3	Foreign Language (if needed)	4
Foreign Language (if needed)	4	Literature Breadth	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 344	2
Math	3-5	CHEM 345	3
Intro Biology, Semester 1	5	Intro Biology, Semester 2	5
Ethnic Studies/Social Science Breadth	3	Social Science Breadth	3
		Literature Breadth	3
	16		**16**

Junior

Fall	Credits	Spring	Credits
General Physics, Semester 1	4-5	General Physics, Semester 2	4-5
MICROBIO 303	3	MICROBIO 470	3
MICROBIO 304	2	BIOCHEM 501	3
MICROBIO 305	1	Research	1-3
Research	1-3	Social Science Breadth	3
Humanities Breadth	3		
	15		**15**

Senior

Fall	Credits	Spring	Credits
MICROBIO 526	3	MICROBIO 450	3
MICROBIO 527	2	MICROBIO 551	2
Microbiology Elective-Set A	3	Microbiology Elective-Set B	3
Research	1-4	Research	1-4
Social Science Breadth	3	Humanities Breadth	3
	14		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Current UW–Madison students should use Starfish to schedule an appointment with an advisor in the Biochemistry & Microbiology Undergraduate Advising Hub (http://biochemmicrobio.wisc.edu/).

Prospective/future UW–Madison students should send an email to the Biochemistry & Microbiology Undergraduate Advising Hub (biochemmicrobio-advisor@wisc.edu) to set up an appointment, which can be conducted in person or via phone call.

Read about and explore possible microbiology careers at the American Society for Microbiology website.

Learn more about health-related careers through the ExploreHealthCareers.org (https://explorehealthcareers.org/) website.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

MICROBIOLOGY, BS (L&S)

Admissions to the Microbiology BA/BS (L&S) have been suspended as of fall 2023 and will be discontinued as of fall 2027. If you have any questions, please contact the department.

Students interested in Microbiology can contact the Microbiology major advisors (biochemmicrobio-advisor@wisc.edu) to discuss the College of Agricultural and Life Sciences Microbiology major

(p. 101). For other questions, please contact CALS Academic Affairs (academicaffairs@cals.wisc.edu).

Microbiology, the study of microorganisms, helps us understand our world and solve major problems. Microorganisms, or microbes, were the first life forms on Earth and influence our lives and our planet in innumerable ways. The field of microbiology is constantly expanding as we learn more about the role of microbes in infectious disease, environmental remediation, bioenergy, food safety, antibiotic resistance, biotechnology, and much more. Communities of microbes (or "microbiomes") are critically important in human health, global warming, agricultural yield, criminal justice, economic development, and other issues of national concern.

The Microbiology major, offered by the Department of Bacteriology, is a rigorous path of study, providing a curriculum packed with deep knowledge on broad aspects of microbiology and emphasizing modern laboratory skills. The core courses focus on the diversity, genetics, biochemistry, and physiology of microorganisms. A variety of elective courses provide the opportunity to study environmental microbiology, food microbiology, microbial pathogenesis, immunology, virology, microbiomes, and microbial biotechnology, as well as advanced topics in microbial genetics and physiology. In the instructional laboratory courses, students learn beginning through advanced laboratory techniques – gaining the type of hands-on experiences with modern equipment that employers and graduate schools seek. Additionally, students can conduct mentored and independent research projects in faculty laboratories.

The bachelor's degree provides a strong background in the biological sciences for students planning to enter medical, dental, veterinary, or other professional schools, as well as those planning graduate studies in any branch of microbiology or other biological sciences such as biochemistry, pathology, and molecular or cell biology.

Students who end their training with a bachelor's degree are well-prepared for a variety of career opportunities, including laboratory positions in pharmaceutical firms, biotechnology firms, university laboratories, and government laboratories. They also work as specialists in industrial quality testing and control and as regulatory workers in government agencies and public health laboratories. Exposure to the scientific process as well as training in microbiology allows microbiology graduates to enter fields as diverse as business, technical service, sales, and technical writing.

HOW TO GET IN

HOW TO GET IN

Admissions to the Microbiology [BA or BS (L&S)] have been suspended as of fall 2023, and the program will be discontinued as of fall 2027. Students interested in Microbiology can contact the microbiology major advisors (biochemmicrobio-advisor@wisc.edu) to discuss the College of Agricultural and Life Sciences Microbiology major. For other questions, please contact CALS Academic Affairs (academicaffairs@cals.wisc.edu).

REQUIREMENTS

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic

values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Mathematics		
Complete one of the following:		5-10
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Statistics		
Complete one of the following:		3
STAT 371	Introductory Applied Statistics for the Life Sciences (Recommended)	
STAT 301	Introduction to Statistical Methods	
STAT 240	Data Science Modeling I	
General Chemistry		
Complete one of the following:		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		
Complete ALL of the following:		
CHEM 343	Organic Chemistry I	3
CHEM 344	Introductory Organic Chemistry Laboratory	2
CHEM 345	Organic Chemistry II	3
Biology Foundation		
Complete one of the following:		10-13
BIOLOGY/ BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384 & BIOCORE 485	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory and Principles of Physiology	
ZOOLOGY/ BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	
Physics		
Complete one of the following:		8-10
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
Biochemistry		
Complete one of the following:		3-6
BIOCHEM 501	Introduction to Biochemistry	
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	
Microbiology Courses		
Microbiology Core (all required):		
Except where noted, all Microbiology Core courses are offered every fall and spring semester.		
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms (SPRING ONLY)	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 526	Physiology of Microorganisms	3
MICROBIO 527	Advanced Laboratory Techniques in Microbiology (FALL ONLY)	2
Microbiology Capstone (required):		
MICROBIO 551	Capstone Research Project in Microbiology (SPRING ONLY)	2
Microbiology Electives		
Complete at least 6 credits; at least 3 credits must come from Set A. Not all elective courses are offered every semester.		
Set A:		3-6
MICROBIO/ FOOD SCI 324	Food Microbiology Laboratory	

MICROBIO/ FOOD SCI 325	Food Microbiology	
MICROBIO/ AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	
MICROBIO 345	Introduction to Disease Biology	
MICROBIO 357	General Bioinformatics for Microbiologists	
MICROBIO/ SOIL SCI 425	Environmental Microbiology	
MICROBIO 520	Planetary Microbiology: What Life Here Tells Us About Life Out There	
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry	
MICROBIO 525	Field Studies of Planetary Microbiology and Life in the Universe	
MICROBIO/ ONCOLOGY 545	Topics in Biotechnology (topics vary by semester)	
MICROBIO/ BIOCHEM/ GENETICS 612	Prokaryotic Molecular Biology	
MICROBIO 657	Bioinformatics for Microbiologists	
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	
Set B:		0-3
BIOCHEM/M M & I 575	Biology of Viruses	
BIOCHEM 601	Protein and Enzyme Structure and Function	
BOTANY 330	Algae	
BOTANY/PL PATH 332	Fungi	
BOTANY/ ENTOM/PL PATH 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	
CHEM 665	Biophysical Chemistry	
COMP SCI/ B M I 576	Introduction to Bioinformatics	
F&W ECOL/SURG SCI 548	Diseases of Wildlife	
FOOD SCI 550	Fermented Foods and Beverages	
M M & I 301	Pathogenic Bacteriology	
M M & I 341	Immunology	
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology	
M M & I 554	Emerging Infectious Diseases and Bioterrorism	
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	
PATH-BIO/ M M & I 528	Immunology	
PL PATH 622	Plant-Bacterial Interactions	
PL PATH/ BOTANY/ GENETICS/ M M & I 655	Biology and Genetics of Fungi	
Total Credits		**64-88**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all MICROBIO courses and courses approved for the major
- 2.000 GPA on 15 upper-level major credits, in residence[1]
- 15 credits of MICROBIO or courses counting toward the major, taken on campus

[1] MICROBIO 300 through 699 count as upper level in the major, excluding MICROBIO 303 and MICROBIO 304. Intermediate- and advanced-level courses outside of MICROBIO that count for the major are also considered upper level.

HONORS IN THE MAJOR

Students may declare Honors in the Microbiology Major in consultation with the Microbiology undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major in Microbiology, students must satisfy both the requirements for the major (above) and the following requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all courses accepted in the major
- MICROBIO 681 and MICROBIO 682 for a total of 6 credits
- 9 credits of Honors course work (with grade B or better) from:

Code	Title	Credits
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms	3
MICROBIO 470	Microbial Genetics & Molecular Machines	3
MICROBIO 526	Physiology of Microorganisms	3
PATH-BIO/ M M & I 528	Immunology	3
MICROBIO/ BIOCHEM/ GENETICS 612	Prokaryotic Molecular Biology	3
PL PATH 622	Plant-Bacterial Interactions	2-3
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

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1. Develop a fundamental understanding of the principles of microbiology and the necessary skills for a professional career in microbiology.
2. Apply the scientific method to questions. Formulate a hypothesis, gather data, and analyze that data to assess the degree to which their work supports the hypothesis.
3. Demonstrate proficiency in the techniques used in microbiology and an ability to critically analyze data and integrate ideas for problem solving.
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FOUR-YEAR PLAN

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SAMPLE MICROBIOLOGY FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
General Chemistry	4-5	General Chem or Electives	5
Math	3	Math	3-5
Communication A	3	Foreign Language (if needed)	4
Foreign Language (if needed)	4	Literature Breadth	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 344	2
Math	3-5	CHEM 345	3
Intro Biology, Semester 1	5	Intro Biology, Semester 2	5
Ethnic Studies/Social Science Breadth	3	Social Science Breadth	3
		Literature Breadth	3
	16		**16**

Junior

Fall	Credits	Spring	Credits
General Physics, Semester 1	4-5	General Physics, Semester 2	4-5
MICROBIO 303	3	MICROBIO 470	3
MICROBIO 304	2	BIOCHEM 501	3
MICROBIO 305	1	Research	1-3
Research	1-3	Social Science Breadth	3
Humanities Breadth	3		
	15		**15**

Senior

Fall	Credits	Spring	Credits
MICROBIO 526	3	MICROBIO 450	3
MICROBIO 527	2	MICROBIO 551	2
Microbiology Elective-Set A	3	Microbiology Elective-Set B	3
Research	1-4	Research	1-4
Social Science Breadth	3	Humanities Breadth	3
	14		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Current UW–Madison students should use Starfish to schedule an appointment with an advisor in the Biochemistry & Microbiology Undergraduate Advising Hub (http://biochemmicrobio.wisc.edu/).

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Read about and explore possible microbiology careers at the American Society for Microbiology website.

Learn more about health-related careers through the ExploreHealthCareers.org (https://explorehealthcareers.org/) website.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

MATHEMATICS

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Applied Mathematics, Engineering, and Physics, BS AMEP (p. 1098)
- Mathematics, BA (p. 1102)
- Mathematics, BS (p. 1124)
- Mathematics, Certificate (p. 1146)

APPLIED MATHEMATICS, ENGINEERING, AND PHYSICS, BS AMEP

This interdisciplinary degree in the physical sciences offers a strong foundation in related areas of engineering sciences, mathematics, and physics for professional work in the field of industrial research and technology. It also provides a foundation for graduate degree work in applied mathematics, engineering sciences, and physics.

The Bachelor of Science—Applied Mathematics, Engineering, and Physics (BS AMEP) is an excellent choice for the student with broad interests in mathematics, physics, and engineering. AMEP emphasizes an integrated mathematics and physics curriculum and balances breadth and depth in the physical sciences in a four-year degree.

HOW TO GET IN

HOW TO GET IN

DECLARATION REQUIREMENTS

Because admission into AMEP is internal to UW–Madison, a student must be admitted to UW–Madison or already be a UW–Madison student to join AMEP.

Freshmen and transfer students are encouraged to meet with an advisor to declare AMEP as soon as possible after joining UW-Madison. AMEP is math- and physics-intensive and it is important to complete the introductory calculus and physics sequences as early as possible in order to progress to the more challenging core 300-level mathematics and physics courses. Continuation into the program requires satisfying the following minimum GPA requirements in introductory mathematics and physics:

- Complete MATH 221, MATH 222, and MATH 234 with at least a 2.75 GPA.
  - MATH 375 and MATH 376 (together) may be substituted for MATH 234.
- Complete PHYSICS 247, PHYSICS 248, PHYSICS 249 with at least a 2.75 GPA.
  - For alternate Introductory Physics courses, see the Requirements (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#requirementstext) tab.

UW-Madison students who wish to declare AMEP after completion of some or all of the above introductory courses are subject to the same GPA requirements.

Finally, students who have accrued 86 or more credits will be admitted to the AMEP program only if:

- the student has above a 2.000 GPA in both the general and upper-level quality of work requirements (see Requirements (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#requirementstext)) and
- the student has fewer than 60 outstanding credits needed to complete the BS-AMEP degree.

DECLARING THE APPLIED MATHEMATICS, ENGINEERING, AND PHYSICS UNDERGRADUATE DEGREE PROGRAM

Any student who is interested in the AMEP program should meet with a program advisor as soon as possible. The advisor will help the student negotiate pre-AMEP status and eventually assist in declaration for the program. In general, this should be the AMEP academic advisor or an AMEP math faculty advisor.

Advising information can be found in the Advising and Careers (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#advisingandcareerstext) tab.

Students pursuing the BS-AMEP degree are not eligible to declare the following programs:

- Mathematics for Physical and Biological Sciences named option of the Mathematics major
- Mathematics certificate
- Physics certificate

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE-APPLIED MATHEMATICS, ENGINEERING, AND PHYSICS (BS-AMEP)

Students pursuing a Bachelor of Science—Applied Mathematics, Engineering, and Physics degree in the College of Letters & Science must complete all of the requirements below. The BS—AMEP is a special degree program; it is not considered a major. The BS—AMEP degree is not available to students who intend to earn a degree outside the College of Letters & Science.

BACHELOR OF SCIENCE - AMEP DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	Complete the second unit of a language other than English.
Liberal Arts and Science Requirement	Complete a minimum of 20 credits in Liberal Arts and Science (LAS) coursework outside the physical and mathematical sciences, including: • at least of 12 credits of Humanities and/or Social Science, including at least 6 credits in Humanities and at least 3 credits of Social Science • a maximum of 8 credits of Biological Science • additional eligible coursework to reach 20 total credits. Courses that carry the Physical Science breadth designation, or are listed (or cross-listed) in the MATH or COMP SCI subjects, are not eligible.
Total Credits	Complete at least 125 credits.
UW—Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 90th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison

PROGRAM OVERVIEW

A total of at least 125 credits with a minimum GPA of 2.000 is required for this degree plan. Of these credits, at least 83 must be devoted to the Applied Math, Engineering and Physics (AMEP) program requirements; 20 must be devoted to University General Education requirements; and the balance should be taken to meet the Bachelor of Science – AMEP Degree Requirements and Electives.

Code	Title	Credits
University General Education Requirements		20
Bachelor of Science – AMEP Degree Requirements		22
AMEP Program Requirements		83
Total Credits		**125**

AMEP PROGRAM REQUIREMENTS

FOUNDATIONAL MATHEMATICS

Code	Title	Credits
Single Variable Calculus		
Complete both.		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
Multivariable Calculus		
Complete one of the following:		4-10
MATH 234	Calculus--Functions of Several Variables	
MATH 375 & MATH 376	Topics in Multi-Variable Calculus and Linear Algebra and Topics in Multi-Variable Calculus and Differential Equations [1]	
Total Credits		**13-19**

FOUNDATIONAL PHYSICS

Code	Title	Credits
First Introductory Course		
Complete one of the following:		3-5

PHYSICS 247	A Modern Introduction to Physics	
PHYSICS 207	General Physics	
PHYSICS 201	General Physics	
E M A 202	Dynamics	
Second Introductory Course		
Complete one of the following:		5
PHYSICS 248	A Modern Introduction to Physics	
PHYSICS 208	General Physics	
PHYSICS 202	General Physics	
Third Introductory Course		
Complete one of the following:		3-4
PHYSICS 249	A Modern Introduction to Physics	
PHYSICS 241	Introduction to Modern Physics	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
Total Credits		**11-14**

CHEMISTRY

Code	Title	Credits
Complete one of the following:		5-9
CHEM 109	Advanced General Chemistry	
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 115	Chemical Principles I	
Total Credits		**5-9**

MATHEMATICS

Complete at least six courses for 18 credits.

Code	Title	Credits
Core: Linear Algebra		
Complete one of the following:		3-5
MATH 320	Linear Algebra and Differential Equations [2]	
MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Core: Differential Equations		
Complete one of the following:		0-5
MATH 320	Linear Algebra and Differential Equations [2]	
MATH 319	Techniques in Ordinary Differential Equations	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
Core: Applied Analysis		
Complete both.		
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	3
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	3
Math Electives		
Complete at least three courses for 9 credits. Select from:		9
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 443	Applied Linear Algebra	
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH 531	Probability Theory	
MATH 561	Differential Geometry	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
Total Credits		**18-25**

PHYSICS

Complete at least five courses for 15 credits.

Code	Title	Credits
Core: Physics		
Complete both.		
PHYSICS 311	Mechanics	3
PHYSICS 322	Electromagnetic Fields	3
Physics Electives		
Remaining courses/credits from any PHYSICS course numbered 307 and above.		9
Total Credits		**15**

ENGINEERING

Code	Title	Credits
Complete 21 credits meeting the following criteria:		21
Must be distinct from any courses used to fulfill math and physics requirements above.		
Selected from the following:		
Biomedical Engineering (B M E) 300-699		
Chemical and Biological Engineering (CBE) 300-699		
Civil and Environmental Engineering (CIV ENGR) 300-699		
Electrical and Computer Engineering (E C E) 300-699		

Engineering Mechanics and Aerospace Engineering (E M A) 300-699	
Engineering Physics (E P) 300-699	
Engineering Professional Development (E P D) 300-699	
Geological Engineering (G L E) 300-699	
Industrial and Systems Engineering (I SY E) 300-699	
Interdisciplinary Courses (Engineering) (INTEREGR) 300-699	
Materials Science and Engineering (M S E) 300-699	
Mechanical Engineering (M E) 300-699	
Nuclear Engineering (N E) 300-699	

LABORATORY EXPERIENCE [3]

Code	Title	Credits
Completed with a minimum of 3 credits selected from the options below.		0-3
The following course applies as 3 credits of lab:		
E M A 522	Aerodynamics Lab	
The following courses apply as 2 credits of lab each:		
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	
PHYSICS 321	Electric Circuits and Electronics	
PHYSICS 325	Optics	
PHYSICS 407	Advanced Laboratory	
PHYSICS 623	Electronic Aids to Measurement	
PHYSICS 625	Applied Optics	
The following courses apply as 1 credit of lab each:		
E C E 270	Circuits Laboratory I	
E M A/M E 307	Mechanics of Materials Lab	

COMPUTATIONAL EXPERIENCE [3]

Code	Title	Credits
Select one of the following:		0-3
COMP SCI 412	Introduction to Numerical Methods	
E P/E M A 471	Intermediate Problem Solving for Engineers	
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in AMEP program courses.[4]
- Minimum 2.000 GPA and 15 upper-level AMEP program credits, taken in residence.[4, 5]
- 15 credits in AMEP program courses, taken on the UW–Madison campus.[4]

HONORS IN THE MAJOR

Honors in the Major is not available in Applied Mathematics, Engineering, and Physics.

FOOTNOTES

1. MATH 375 may also be used to fulfill the Linear Algebra requirement below. MATH 376 may be used to fulfill the Differential Equations requirement below.
2. MATH 320 fulfills both the Linear Algebra and Differential Equations requirements. AMEP students are encouraged to consider the honors version of the course which is taught by AMEP faculty.
3. Courses used to fulfill this requirement need not be distinct from courses used to fulfill Mathematics, Physics, and Engineering requirements in AMEP.
4. This includes only those courses which may be used to fulfill Mathematics, Physics, Engineering, Chemistry, Laboratory, and Computational requirements described in the tables above.
5. A course numbered 300 or above is considered upper-level in the program.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. State, explain and apply principal theorems and techniques of applied mathematics, including (but not limited to) the subject areas of vector and complex calculus, linear algebra, and differential equations.
2. State, explain and apply theory and methods of classical and modern physics such as mechanics (classical, statistical, quantum), electricity, magnetism, thermodynamics, radiation and atomic physics.
3. Develop strategies to synthesize applied mathematics and physical sciences to address engineering problems, with emphasis on problems of current interest.
4. Design and conduct experiments to explore hypotheses regarding science and/or technology and/or engineering problems, and will use mathematics to help interpret experimental results.
5. Work in multidisciplinary groups of mathematicians, physical scientists, and engineers to formulate and solve STEM problems, which includes the creation and evaluation of models for natural phenomena.

6. Through written and oral presentations, students will communicate technical/scientific ideas and results to experts and non-experts.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

PROGRAM EXPECTATIONS

AMEP students come to UW-Madison with a wide range of mathematics preparation. Please see Advising and Careers (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#advisingandcareerstext) for more information and alternative plans.

First Year

Fall	Credits	Spring	Credits
PHYSICS 247	5	Communication A	3
MATH 234	4	MATH 320 (honors)	3
CHEM 109	5	PHYSICS 248	5
Foreign Language 1	4	Foreign Language 2	4
	18		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 321	3	INTER-LS 210	1
PHYSICS 249	4	MATH 322	3
PHYSICS 311	3	PHYSICS 322	3
Humanities Breadth	3	Core Math Elective 2	3
Core Math Elective 1	3	Humanities Breadth	3
		Biological/Social Science or Humanities	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
Core Math Elective 3	3	Core Physics 2	4
Physics Elective 1	4	Core Physics 3	4
Lab Experience	2-4	Computational Experience	3
Humanities/Social Science Breadth	3	Engineering 1	3
Ethnic Studies/Social Science Breadth	3		
	16		**14**

Fourth Year

Fall	Credits	Spring	Credits
Communication B	3	Engineering courses	9
Engineering Courses	12	Humanities Breadth	3
		Electives	3
	15		**15**

Total Credits 125

ADVISING AND CAREERS

ADVISING AND CAREERS

For information about advising for this special Letters & Science degree program, refer to the AMEP Advising (https://amep.math.wisc.edu/advising/) page.

For information about opportunities related to future careers in Applied Mathematics, Engineering, and Physics, refer to our Research and Internships (https://amep.math.wisc.edu/research-and-internships/) page.

RECOMMENDED ADVANCED COURSES

A number of intermediate and advanced courses are recommended by AMEP advisors for use as electives beyond the core math and physics curricula. Please see our Courses (https://amep.math.wisc.edu/courses/) page for a list of recommended courses.

ALTERNATIVE FOUR-YEAR PLANS

Students in the AMEP program start college with a wide variety of preparations in mathematics. We have examples of some different paths students may take through the degree on the Four-Year Plans (https://amep.math.wisc.edu/four-year-plans/) page of the program website.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

MATHEMATICS, BA

Mathematics is about understanding the world through studies of quantity, structure, pattern, and change to create logical solutions that make life more meaningful and more beautiful. Mathematics bridges the humanities and the sciences. Its position among the humanities is based on the study of mathematics as one of the liberal arts for more than two thousand

years. The natural sciences have invariably turned to mathematics for techniques needed to explore the consequences of scientific theories. In the last few decades, social scientists have increasingly found higher mathematics of value in their training and research. Still an expanding subject, mathematics is a part of more new and challenging frontiers than at any time in its long history, with many new fields, from data science to quantum computing, requiring new techniques and inspiring ideas for exploration.

Students interested in Mathematics may also wish to consider the Bachelor of Science—Applied Mathematics, Engineering, and Physics (p. 1098) (BS AMEP).

HOW TO GET IN

HOW TO GET IN

DECLARATION

To declare a major in mathematics, a student must have completed the sequence MATH 221, MATH 222, and MATH 234, or the sequence MATH 375 and MATH 376, with a 2.500 GPA or better. Major advisors may waive this requirement for students with alternative coursework and experiences (e.g., transfer students). Students should meet with a math advisor before declaring in order to discuss course selection and major plan. Advising information can be found in the Advising and Careers (https://guide.wisc.edu/undergraduate/letters-science/mathematics/mathematics-bs/#advisingandcareerstext) link.

Students who are declared in the Bachelor of Science-Applied Mathematics, Engineering, and Physics degree may not be declared in the Mathematics for Physical and Biological Sciences named option.

Students declared in the Mathematics certificate may not be declared in the Mathematics major at the same time. Students who wish to declare this major must first cancel their declaration in the Mathematics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The mathematics major requirements include exposure to at least two areas of advanced mathematics. The program is ideal for any student who has a broad interest in mathematics both pure and applied, and functions well as a standalone or complementary program. The mathematics major also offers six named options (p. 1105) for students interested in pursuing an applied focus area outside of mathematics as part of their major.

The mathematics major requires 7 distinct courses for at least 21 credits as described below. Note that at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e., seven courses and at least 21 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320, or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

At least seven MATH courses for at least 21 credits are required for the major as follows[1]:

Code	Title	Credits
Linear Algebra (complete one) [2]		**3-5**
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	

Code	Title	Credits
Analysis, Topology, Algebra (complete two)		**6**
MATH 521	Analysis I	
MATH 541	Modern Algebra	
MATH 551	Elementary Topology	

ADVANCED MATH ELECTIVE (COMPLETE ONE)

Code	Title	Credits
Complete at least one for three credits:		3
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 552	Elementary Geometric and Algebraic Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 607	Topics in Mathematics Study Abroad	
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 621	Introduction to Manifolds	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
MATH 681	Senior Honors Thesis	
MATH 682	Senior Honors Thesis	
MATH 691	Undergraduate Thesis	
MATH 692	Undergraduate Thesis	
MATH 698	Directed Study	
MATH 699	Directed Study	

ADDITIONAL MATH ELECTIVE TO ACHIEVE 7 COURSES AND 21 CREDITS IN THE MAJOR

Code	Title	Credits
Choose from the following:		9
MATH/STAT 431	Introduction to the Theory of Probability [3]	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations [4]	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	

MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations
MATH 390	Undergraduate Research with Madison Experimental Mathematics Lab [5]
MATH 407	Topics in Mathematics Study Abroad
MATH 415	Applied Dynamical Systems, Chaos and Modeling
MATH 421	The Theory of Single Variable Calculus
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography
MATH 443	Applied Linear Algebra
MATH 444	Graphs and Networks in Data Science
MATH 461	College Geometry I
MATH 467	Introduction to Number Theory
MATH/ HIST SCI 473	History of Mathematics
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics
MATH 490	Undergraduate Seminar
MATH 491	Topics in Undergraduate Mathematics
MATH/ COMP SCI 513	Numerical Linear Algebra
MATH/ COMP SCI 514	Numerical Analysis
MATH 519	Ordinary Differential Equations
MATH 521	Analysis I
MATH 522	Analysis II
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization
MATH 531	Probability Theory
MATH 535	Mathematical Methods in Data Science
MATH 540	Linear Algebra II
MATH 541	Modern Algebra
MATH 542	Modern Algebra
MATH 551	Elementary Topology
MATH 552	Elementary Geometric and Algebraic Topology
MATH 561	Differential Geometry
MATH 567	Modern Number Theory
MATH 570	Fundamentals of Set Theory
MATH/ PHILOS 571	Mathematical Logic
MATH 607	Topics in Mathematics Study Abroad
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction
MATH 619	Analysis of Partial Differential Equations
MATH 621	Introduction to Manifolds
MATH 623	Complex Analysis
MATH 627	Introduction to Fourier Analysis
MATH 629	Introduction to Measure and Integration
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus
MATH 681	Senior Honors Thesis
MATH 682	Senior Honors Thesis
MATH 691	Undergraduate Thesis
MATH 692	Undergraduate Thesis
MATH 698	Directed Study
MATH 699	Directed Study
Total Credits	**9**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all MATH and major courses.
- 2.000 GPA on 15 upper-level major credits, taken in residence.[6]
- 15 credits in MATH, taken on the UW–Madison campus.

NAMED OPTIONS

View as listView as grid

- **MATHEMATICS: MATHEMATICS FOR DATA SCIENCE (P. 1109)**
- **MATHEMATICS: MATHEMATICS FOR ECONOMICS AND FINANCE (P. 1111)**
- **MATHEMATICS: MATHEMATICS FOR PROGRAMMING AND COMPUTING (P. 1113)**
- **MATHEMATICS: MATHEMATICS FOR SECONDARY EDUCATION (P. 1116)**
- **MATHEMATICS: MATHEMATICS FOR STATISTICAL ANALYSIS AND RISK ASSESSMENT (P. 1118)**
- **MATHEMATICS: MATHEMATICS FOR THE PHYSICAL AND BIOLOGICAL SCIENCES (P. 1120)**

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Mathematics Honors advisor (https://www.math.wisc.edu/undergraduate/

advising/); this should be done by the start of the junior year. Honors in the major is not available in any Named Option program.

HONORS IN THE MATHEMATICS MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the mathematics major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all MATH courses, and all courses accepted in the major
- Complete the following courses, with individual grades of B or better:

Code	Title	Credits
MATH 521 & MATH 522	Analysis I and Analysis II (Taken for Honors) [7]	
MATH 541 & MATH 542	Modern Algebra and Modern Algebra (Taken for Honors) [7]	
Select at least two more courses from MATH 500 through MATH 641. These course must be taken for honors. The following will usually be one of the courses: [8]		
MATH 551	Elementary Topology	
Select one of these Capstone projects:		
MATH 681 & MATH 682	Senior Honors Thesis and Senior Honors Thesis (For a total of 6 credits)	
or		
A sequence of two upper-level mathematics courses deemed acceptable by the Mathematics Honors advisor [8]		

FOOTNOTES

1. A course may only apply once toward the courses/credits required for the major. Thus, a course used to meet the Analysis, Topology and Algebra requirement may *not* also be used to meet the requirement for MATH 500-699 requirement and a course used to meet the MATH 500-699 requirement may *not* also be used in the Additional Math requirement.
2. Only one of these courses will be used to fulfill minimum course/credit requirements for the major: MATH 320, MATH 340, MATH 341, MATH 375
3. At most one course in Introductory Probability may be used to fulfill the course/credit requirements for the major: MATH/STAT 309 and MATH/STAT 431.
4. At most one course in Elementary Differential Equations may be used to fulfill the course/credit requirements for the major: MATH 319, MATH 320, MATH 376.
5. MATH 390 will only count once toward the major requirements
6. MATH courses numbered 307–699 are considered upper level in the major.
7. At least one of the two sequences (MATH 521–MATH 522 or MATH 541–MATH 542) must be completed prior to enrolling in the Capstone project.
8. Chosen in consultation with the Mathematics Honors advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. State, explain, and apply the principal results, definitions, and theorems of a wide collection of mathematical areas including at least one area of advanced undergraduate mathematics.
2. Construct and evaluate mathematical proofs and arguments.
3. Acquire a diverse set of skills and strategies in mathematical reasoning/problem solving.
4. Use mathematics to model and analyze phenomena in other disciplines.
5. Write, explain, and present mathematics to both experts and non--experts.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

MATHEMATICS MAJOR – BACHELOR OF ARTS/SCIENCE DEGREE

Freshman		
Fall	**Credits Spring**	**Credits**
MATH 221[1,2]	5 MATH 222[2]	4
Communication A	3 Ethnic Studies	3

Foreign Language (if needed)	4	Foreign Language (if needed)	4
Literature Breadth	3	Literature Breadth	3
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234	4	MATH 341	3
Communication B	3	300/400-level MATH[3]	3
Humanities Breadth	3	Humanities Breadth	3
Physical Science Breadth	3	Physical Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH[3]	3	300/400-level MATH[3]	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
500/600-level MATH elective[4]	3	Social Sciences Breadth	3
Social Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1 Math majors will naturally complete Quantitative Reasoning requirements with the introductory calculus courses required to declare the major.

2 Declaration of the Mathematics major requires a 2.500 cumulative GPA across the introductory calculus sequence. Students that are unable to establish a GPA for any courses in the introductory calculus sequence are encouraged to speak with a Mathematics major advisor as soon as possible.

3 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375 and MATH/CURRIC 471.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Historically, students who have successfully complete a three year undergraduate degree with a major in Mathematics have the following qualifications: a minimum of 29 advanced standing credits, which include completion of the following with either course credit or via placement examination:

- MATH 221 and MATH 222
- Communication Part A
- 3-4 units of foreign language

Therefore the plan below assumes these requirements, but none other. When considering the plan below, students should note the following:

- Advanced standing credits may satisfy Ethnic Studies, Communication Part B, and/or Letters & Science Breadth degree requirements which are listed in the plan. In this case, students should adjust their plan by reorganizing the remaining degree requirements using the following priorities:
  a. Ethnic Studies and Communication Part B (obligatory in the first year)
  b. Physical, Biological, and Social Science Breadth (which may be prerequisites for more advanced electives)
  c. Humanities and Literature.
  d. Remaining schedule space should be considered electives.
- At least 26 of the non-MATH credits must be at the Intermediate or Advanced level.
- Consider using the elective space in the plan as follows: additional major or certificate, career readiness, graduate school preparation, and other personal interests.

First Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH Linear Algebra	3
Ethnic Studies	3	300/400-level MATH[1]	3
Communication B	3	Physical Science Breadth	3
Biological Science Breadth	3	Biological Science Breadth	3
Physical Science Breadth	3	Foreign Language (if needed for the BA) or Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
300/400-level MATH[1]	3	300/400-level MATH[1]	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Literature Breadth	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3

Elective (Intermediate or Advanced level)	3	Elective (Intermediate or Advanced level)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
500/600-level MATH elective	3	Humanities Breadth (Intermediate or Advanced level)	3
Social Science Breadth	3	Social Science Breadth (Intermediate or Advanced level)	3
Humanities Breadth	3	Elective (Intermediate or Advanced level)	9
Elective (Intermediate or Advanced level)	6		
	15		**15**

Total Credits 91

[1] 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375, and MATH/CURRIC 471.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students who are interested in the Mathematics major should visit a faculty advisor. Information about current advisor availability is on the Math advising page (https://www.math.wisc.edu/undergraduate/advising/).

For advice on college algebra, pre-calculus, and calculus, see the placement advising pages (https://www.math.wisc.edu/undergraduate/placement/) of the department.

Transition Courses

All majors are required to complete at least one of the following as the prerequisite for one or more proof-based 500-level courses required in the major. It is suggested that Mathematics-declared students (and those interested in the major) complete such a course as soon in their academic career as possible.

Code	Title	Credits
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	

Graduate Study

Students preparing for graduate work in mathematics should take the following courses:

Code	Title	Credits
MATH 341	Linear Algebra	3
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3
MATH 551	Elementary Topology	3
or MATH 561	Differential Geometry	

Select at least two other courses at the 500 level or higher

Students who plan to enter a mathematics PhD program should acquire a reading knowledge of at least one language other than English as early as possible; the most useful languages are French (https://guide.wisc.edu/courses/french/), German (https://guide.wisc.edu/courses/german/), and Russian (https://guide.wisc.edu/courses/slavic/).

CAREERS

In recent years, students graduating with the Mathematics major have obtained employment in a variety of jobs in business, industry, and governmental agencies and also have obtained teaching positions at the secondary school level (such teaching positions normally require teaching certification). Others have continued their education at the graduate level in mathematics and other fields. Departments in a variety of fields that use mathematics, including the social and biological sciences as well as in engineering and the physical sciences, are interested in attracting Mathematics students into their graduate programs. Students with a mathematics PhD obtain academic positions at the college and university level and nonacademic positions entailing consulting and research. The Mathematics major requirements are flexible enough to allow preparation for various goals.

For information about opportunities related to possible careers with a Mathematics major, refer to our Advising (https://math.wisc.edu/undergraduate/advising/) page under "Career Advising."

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Department of Mathematics offers scholarships, awards, and prizes (https://math.wisc.edu/undergraduate/awards/) to students declared in the Mathematics major. Award applications are open during the spring semester so that award recipients may be selected before the end of spring semester and applied to fall enrollment.

Awards vary in scope and criteria. Some awards are open to students who exhibit financial need, while others are granted to students based on academic merit. Other awards are related to undergraduate research. Awards may be open to specific student populations such as early-career majors or those interested in a career as a teacher.

Students declared in the Mathematics major are encouraged to apply for any scholarships for which they meet the qualifications.

MATHEMATICS: MATHEMATICS FOR DATA SCIENCE

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for Data Science program requires 10 distinct courses for at least 30 credits as described below. Note that while some courses may be used to fulfill more than one requirement it is still considered only a single course and may only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits)		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Probability (complete at least one)		*3*
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 531	Probability Theory	
Numerical and optimization methods (complete at least one)		*3*
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 443	Applied Linear Algebra	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
Mathematics of data		*3*
MATH 535	Mathematical Methods in Data Science	
Advanced Electives (complete at least one):		*0-3*
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 540	Linear Algebra II	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
Electives to reach required six courses for at least 18 credits in MATH [1]		*0-6*
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	

MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization
MATH 443	Applied Linear Algebra
MATH 444	Graphs and Networks in Data Science
MATH/ COMP SCI 513	Numerical Linear Algebra
MATH/ COMP SCI 514	Numerical Analysis
MATH 521	Analysis I
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization
MATH 531	Probability Theory
MATH 540	Linear Algebra II
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
Data Science Requirement (at least four courses for at least 12 credits) [2]	**12**
Data Science Fundamentals (choose one)	
STAT 340	Data Science Modeling II
COMP SCI 320	Data Science Programming II
Remaining courses may be selected from below or from the MATH elective lists above. [3]	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization
COMP SCI/ E C E 533	Image Processing
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks
COMP SCI 540	Introduction to Artificial Intelligence
COMP SCI 541	Theory & Algorithms for Data Science
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning
COMP SCI/ B M I 567	Biomedical Image Analysis
COMP SCI/ B M I 576	Introduction to Bioinformatics
STAT 351	Introductory Nonparametric Statistics
STAT 421	Applied Categorical Data Analysis
STAT/M E 424	Statistical Experimental Design
STAT 433	Data Science with R
STAT 443	Classification and Regression Trees
STAT 453	Introduction to Deep Learning and Generative Models
STAT 456	Applied Multivariate Analysis
STAT 461	Financial Statistics
STAT/ COMP SCI 471	Introduction to Computational Statistics
STAT/B M I 641	Statistical Methods for Clinical Trials
STAT/B M I 642	Statistical Methods for Epidemiology
ECON 400	Introduction to Applied Econometrics
ECON 410	Introductory Econometrics
ECON 570	Fundamentals of Data Analytics for Economists
I SY E 412	Fundamentals of Industrial Data Analytics
I SY E 612	Information Sensing and Analysis for Manufacturing Processes
M E 536	Data Driven Engineering Design
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[4]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[5]
- 15 credits in MATH in the major taken on the UW-Madison campus.[6]

FOOTNOTES

1. Elective courses must be distinct from those used to fulfill the above requirements.
2. Courses below may have prerequisites outside of this program.
3. MATH courses must be distinct from any used to fulfill an above requirement.
4. This includes any course with a MATH prefix (or crosslisted with MATH) regardless of its appearance in the tables above and any non-MATH class explicitly listed in the tables above.
5. This includes any MATH course (including those crosslisted with MATH) numbered 307 and above, regardless of its appearance in the tables above, as well as only those non-MATH classes which appear in the tables above and have the advanced LAS attribute.
6. This includes any MATH course (and those crosslisted with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course

4. Additional 300/400-level courses as needed
5. Required Advanced MATH course
6. Additional 500/600-level MATH courses

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234	4	MATH Required Linear Algebra	3
Humanities Breadth	3	MATH Required Probability	3
Communication B	3	Humanities Breadth	3
Prerequisite for Data Science Fundamentals course	4	Physical Science Breadth	3
INTER-LS 210	1	Elective	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
Required Intermediate MATH	3	300/400-level MATH Elective	3
Data Science Fundamentals Course	4	Data Science Elective	3
Social Sciences Breadth	3	Social Science Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Senior

Fall	Credits	Spring	Credits
MATH 535	3	500/600-level MATH elective	3
Data Science Elective	3	Data Science Elective	3
Social Science Breadth	3	Social Science Breadth	3
Electives	6	Electives	6
	15		**15**

Total Credits 120

MATHEMATICS: MATHEMATICS FOR ECONOMICS AND FINANCE

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics Major with Economics and Finance focus requires 10 distinct courses for at least 30 credits as described below. Note that while some courses may be used to fulfill more than one requirement it is still considered only a single course and may only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Differential equations		*0-5*
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
or MATH 415	Applied Dynamical Systems, Chaos and Modeling	
or MATH 519	Ordinary Differential Equations	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Analysis Requirement		*3*
MATH 521	Analysis I	
Electives to reach required six courses for at least 18 credits of MATH		**6-9**

At least one course must be selected from:	
MATH/ COMP SCI 513	Numerical Linear Algebra
MATH/ COMP SCI 514	Numerical Analysis
MATH 519	Ordinary Differential Equations
MATH 522	Analysis II
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization
MATH 531	Probability Theory
MATH 535	Mathematical Methods in Data Science
MATH 540	Linear Algebra II
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction
MATH 619	Analysis of Partial Differential Equations
MATH 627	Introduction to Fourier Analysis
MATH 629	Introduction to Measure and Integration
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus
Remaining courses/credits may be from:	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations
MATH 415	Applied Dynamical Systems, Chaos and Modeling
MATH 421	The Theory of Single Variable Calculus
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization
MATH/STAT 431	Introduction to the Theory of Probability
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I
MATH 443	Applied Linear Algebra
MATH 444	Graphs and Networks in Data Science
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics

Economics/Finance Requirement (Four Courses distinct from the above for at least 12 credits) [1]

Select one of the following introductory sequences:		*6-8*
ECON 311 & ECON 312	Intermediate Microeconomic Theory - Advanced Treatment and Intermediate Macroeconomic Theory - Advanced Treatment	
ECON 301 & ECON 302	Intermediate Microeconomic Theory and Intermediate Macroeconomic Theory	
ECON/ FINANCE 300 & ECON/ FINANCE 320	Introduction to Finance and Investment Theory	
Economics/Finance Elective (choose at least two) [2]		*6-8*
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
ECON/A A E 421	Economic Decision Analysis	
ECON 435	The Financial System	
ECON 441	Analytical Public Finance	
ECON 442	Macroeconomic Policy	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 455	Behavioral Economics	
ECON 458	Industrial Structure and Competitive Strategy	
ECON 460	Economic Forecasting	
ECON 461	International Macroeconomics	
ECON 464	International Trade	
ECON 468	Industrial Organization and Imperfect Competition	
ECON 475	Economics of Growth	
ECON/ FINANCE 503	Markets with Frictions	
ECON 521	Game Theory and Economic Analysis	
ECON/A A E 526	Quantitative Methods in Agricultural and Applied Economics	
ECON 621	Markets and Models	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
FINANCE 305	Financial Markets, Institutions and Economic Activity	
FINANCE 325	Corporation Finance	
FINANCE 330	Derivative Securities	
FINANCE 340	Fixed Income Securities	
FINANCE/ INTL BUS 445	Multinational Business Finance	
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[3]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[4]
- 15 credits in MATH in the major taken on the UW-Madison campus.[5]

FOOTNOTES

1 Some courses which follow may have prerequisites outside of the courses approved for this named option.
2 Any MATH course from the elective list above may be used in lieu of any of the following courses.
3 This includes any MATH courses (and those cross-listed with MATH) regardless of appearing in the tables above as well as only those non-MATH courses which are explicitly listed in the tables above.
4 This includes any MATH courses (and those cross-listed with MATH) numbered 307 and above, regardless of appearing in the tables above, as well as only those non-MATH course explicitly listed in the tables above which carry the advanced LAS designation.
5 This includes any MATH courses (and courses cross-listed with MATH) numbered 307 and above regardless of appearing in the tables above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level courses as needed
5. Required Advanced MATH course
6. Additional 500/600-level courses

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	ECON 101	4
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Linear Algebra	3
Humanities Breadth	3	300/400-level MATH Elective[3]	3
Communication B	3	Humanities Breadth	3
Physical Science Breadth	3	Physical Science Breadth	3
Elective[2]	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
MATH Differential Equations	3	Required Intermediate MATH Course	3
Economics/Finance intro course 1	3-4	Economics/Finance intro course 2	3-4
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Literature Breadth	3	Physical Science Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
MATH 521	3	500/600-level MATH Elective	3
Econ/Finance Elective	3-4	Econ/Finance elective	3-4
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	2
	15		**14**

Total Credits 120

Students must declare a major by the time they reach Senior standing (86 credits).

Please refer to the Requirements tab in Guide for additional College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

1 Students should declare the math major upon successful completion of this course
2 Students may use this elective to take the second prerequisite for their introductory economics/finance sequence: ECON 102, ACCT I S 100, or ACCT I S 300.
3 MATH/STAT 431 or STAT/MATH 309 is recommended since it can be used as the prerequisite for a number of the Economics and Finance courses students can choose in this named option.

MATHEMATICS: MATHEMATICS FOR PROGRAMMING AND COMPUTING

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and

courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for Programming and Computing program requires 10 distinct courses for at least 30 credits as described below. While a single courses may be used to fulfill more than one requirement, it will only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits)		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Advanced Mathematics Requirement (complete one)		*3*
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH/ PHILOS 571	Mathematical Logic	
MATH Elective to reach required minimum of six courses for at least 18 credits		**6-12**
At least one course must be from: [1]		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
Select remaining courses from:		
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography	
MATH 443	Applied Linear Algebra	
MATH 444	Graphs and Networks in Data Science	

MATH 467	Introduction to Number Theory	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
Programming and Computations Requirement (Four Courses distinct from the above for at least 12 credits) [2]		
COMP SCI 300	Programming II	3
COMP SCI 400	Programming III	3
Elective [3]		*6-8*
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/E C E/ MATH 435	Introduction to Cryptography	
COMP SCI/ STAT 471	Introduction to Computational Statistics	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI 520	Introduction to Theory of Computing	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/ I SY E 526	Advanced Linear Programming	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/ E C E 533	Image Processing	
COMP SCI 534	Computational Photography	
COMP SCI 538	Introduction to the Theory and Design of Programming Languages	
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI 541	Theory & Algorithms for Data Science	
COMP SCI 559	Computer Graphics	
COMP SCI/ B M I 567	Biomedical Image Analysis	
COMP SCI/ B M I 576	Introduction to Bioinformatics	
COMP SCI 577	Introduction to Algorithms	
COMP SCI 642	Introduction to Information Security	
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[4]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[5]
- 15 credits in MATH in the major taken on the UW-Madison campus.[6]

FOOTNOTES

1. This course must be distinct from the advanced mathematics requirement.
2. Courses below may have prerequisites outside of the requirements for this named option.
3. Any MATH course from the elective list above may be used in lieu of any of the following courses.
4. This includes any course with a MATH prefix (including those cross-listed with MATH) regardless of major program as well as only those non-MATH course explicitly listed in the tables above.
5. This includes any course with a MATH prefix (including those cross-listed with MATH) numbered 307 and above as well as only those non-MATH courses which appear in the tables above and carry the advanced LAS designation.
6. This includes only those courses with a MATH prefix (or crosslisted with MATH).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level MATH courses as needed
5. Required Advanced MATH course
6. Additional 500/600-level MATH courses

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Required Linear Algebra	3
Humanities Breadth	3	Required Intermediate MATH	3
Communication B	3	COMP SCI 200	3
Physical Science Breadth	3	Humanities Breadth	3
Elective	3	Physical Science Breadth	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH elective	3	300/400-level MATH elective	3
COMP SCI 300	3	COMP SCI 400	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Required Advanced MATH	3	500/600-level MATH elective	3
Elective Programming/ Computations Course	3	Elective Programming/ Computations Course	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

[1] Students should declare the major upon the successful completion of this course

MATHEMATICS: MATHEMATICS FOR SECONDARY EDUCATION

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics Major for Secondary Education named option requires at least 8 distinct courses for at least 24 credits as described below. While a single courses may be used to fulfill more than one requirement, it will only contribute once to the total course/credit count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of 8 courses and at least 24 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Requirements (minimum of eight distinct courses for at least 24 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Intermediate Mathematics Requirement (complete at least one)		*0-3*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	
Analysis (complete at least one)		*0-3*
MATH 421	The Theory of Single Variable Calculus	
MATH 521	Analysis I	
Modern Algebra (complete at least one)		*3*
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
Probability or Combinatorics (complete at least one)		*3*
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 444	Graphs and Networks in Data Science	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
MATH 531	Probability Theory	
Statistics		*3*
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
or STAT 301	Introduction to Statistical Methods	
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	

or STAT 324	Introduction to Statistics for Science and Engineering	
or ECON 310	Statistics: Measurement in Economics	
History of Mathematics		*3*
MATH/ HIST SCI 473	History of Mathematics	
Geometry		*3*
MATH 461	College Geometry I	
Capstone course		*3*
MATH/ CURRIC 471	Mathematics for Secondary School Teachers	
Advanced mathematics		*0-6*
Additional advanced course if needed to reach at least two math courses above 500		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 619	Analysis of Partial Differential Equations	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
Total Credits		**24**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[2]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[3]
- 15 credits in MATH in the major taken on the UW-Madison campus.[4]

FOOTNOTES

1 Course options below may have prerequisites outside of those listed for this program.

2 This includes any course with a MATH prefix (including those cross-listed with MATH) regardless of its appearance in the tables above as well as only those specific non-MATH courses listed in the tables above.

3 This includes all MATH courses (including those crosslisted with MATH) which are numbered 307 and above, regardless of appearing in the course lists above, as well as only those non-MATH courses which appear in the lists above and carry the advanced LAS designation.

4 This includes only those courses with a MATH prefix (or cross-listed with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level level courses as needed
5. Required 500-level Algebra course
6. Additional 500/600-level course

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Required Linear Algebra	3
Humanities Breadth	3	MATH Required Probability or Combinatorics	3
Communication B	3	Humanities Breadth	3
Physical Sciences Breadth	3	Physical Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
MATH Required Analysis	3	MATH 461	3
MATH Required Statistics	3	Social Sciences Breadth	3

Social Sciences Breadth	3	Biological Sciences Breadth	3
Biological Sciences Breadth	3	Elective	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
MATH/HIST SCI 473	3	MATH second Required 500/600-level course or Elective	3
MATH Required Algebra	3	MATH/CURRIC 471 (MATH second required 500/600-level course or Elective)	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

FOOTNOTES

1. Students should declare their major upon the successful completion of this course
2. Taught only in odd-numbered springs. Take spring of junior year if graduating in an even-numbered spring.

MATHEMATICS: MATHEMATICS FOR STATISTICAL ANALYSIS AND RISK ASSESSMENT

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for Statistical Analysis and Risk Assessment program requires 10 distinct courses for at least 30 credits as described below. Note that while some courses may be used to fulfill more than one requirement it is still considered only a single course and may only contribute once to the total course count.

Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Probability (Complete at least one)		*3*
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 531	Probability Theory	
Statistics [1]		*3*
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II (Statistics)	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Advanced Mathematics Requirement (select one)		*3*
MATH/COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
Electives to reach required six courses for at least 18 credits in MATH		*3-6*
At least one elective must come from: [2]		
MATH/COMP SCI 513	Numerical Linear Algebra	
MATH/COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	

MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization
MATH 531	Probability Theory
MATH 535	Mathematical Methods in Data Science
MATH 540	Linear Algebra II
MATH 541	Modern Algebra
MATH 542	Modern Algebra
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction
MATH 619	Analysis of Partial Differential Equations
MATH 627	Introduction to Fourier Analysis
MATH 629	Introduction to Measure and Integration
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus
Remaining courses/credits may be selected from:	
MATH 319	Techniques in Ordinary Differential Equations
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations
MATH 376	Topics in Multi-Variable Calculus and Differential Equations
MATH 415	Applied Dynamical Systems, Chaos and Modeling
MATH 421	The Theory of Single Variable Calculus
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography
MATH 443	Applied Linear Algebra
MATH 444	Graphs and Networks in Data Science
MATH 467	Introduction to Number Theory
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics

Statistics/Risk Requirement (Four Courses distinct from the above for at least 12 credits) [3]

Select a distinct introduction course or sequence:		3-6
Actuarial Sciences:		
ACT SCI 303	Theory of Interest	
Statistics:		
STAT 333 & STAT/M E 424	Applied Regression Analysis and Statistical Experimental Design	
Data Science:		
STAT 340 & STAT/M E 424	Data Science Modeling II and Statistical Experimental Design	
Select remaining courses/credits from: [4]		*6-14*
ACT SCI 650	Fundamentals of Long-Term Actuarial Modeling	
ACT SCI 651	Advanced Long-Term Actuarial Modeling	
ACT SCI 652	Fundamentals of Short-Term Actuarial Modeling	
ACT SCI 653	Advanced Short-Term Actuarial Modeling	
ACT SCI 654	Regression and Time Series for Actuaries	
ACT SCI 655	Health Analytics	
GEN BUS 656	Foundations of Statistical Learning for Business Analytics	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics	
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization	
STAT 575	Statistical Methods for Spatial Data	
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes	
STAT/B M I 641	Statistical Methods for Clinical Trials	
STAT/B M I 642	Statistical Methods for Epidemiology	
M E 536	Data Driven Engineering Design	
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[5]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[6]
- 15 credits in MATH in the major taken on the UW-Madison campus.[7]

FOOTNOTES

[1] Students taking STAT 312 to satisfy the Statistics requirement will not be able to use this course towards the six courses/18 credits of MATH courses.

[2] This course must be distinct from the advanced mathematics requirement.
[3] The courses which follow may have prerequisites outside of this program.
[4] Any MATH course from the elective list above may be used in lieu of any of the following courses.
[5] This includes any course with a MATH prefix (or cross-listed with MATH) regardless of its appearance in the tables above and any non-MATH course explicitly listed in the tables above.
[6] This includes any MATH course (including those crosslisted with MATH) which are numbered 307 and above, regardless of its appearance in the tables above, as well as only those non-MATH course which appear in the tables above and have the advanced LAS attribute.
[7] This includes any MATH course (and those crosslisted with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate Mathematics course
4. Additional 300/400-level MATH courses as needed
5. Required Advanced Mathematics course
6. Additional 500/600-level MATH course(s)

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Required Linear Algebra	3
Introductory Statistics course[2]	3-4	MATH Required Probability	3
Humanities Breadth	3	Humanities Breadth	3
Communication B	3	Physical Science Breadth	3
Physical Science Breadth	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
MATH/STAT 310	3	Required Intermediate MATH	3
Statistics/Risk course	3	Statistics/Risk course	3
Social Sciences Breadth	3	Social Science Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Required Advanced MATH	3	500/600-level MATH Elective	3
Statistics/Risk course	3	Statistics/Risk course	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

[1] Students should declare their major upon the successful completion of this course
[2] To enroll in MATH/STAT 310, students must have an introductory statistics course. STAT 324 or STAT 240 are recommended for students in this named option, but STAT 301, STAT 371, and ECON 310 also satisfy the prerequisite.

MATHEMATICS: MATHEMATICS FOR THE PHYSICAL AND BIOLOGICAL SCIENCES

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for the Physical and Biological Sciences program requires 10 distinct courses for at least 30 credits as described

below. While a single courses may be used to fulfill more than one requirement, it will only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Differential Equations		*0-5*
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
or MATH 415	Applied Dynamical Systems, Chaos and Modeling	
or MATH 519	Ordinary Differential Equations	
Intermediate Mathematics Requirement (complete one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Advanced Mathematics Requirement (complete one)		*3*
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 551	Elementary Topology	
MATH 561	Differential Geometry	
MATH 619	Analysis of Partial Differential Equations	
MATH 623	Complex Analysis	
MATH Elective to reach six courses and 18 credits		**3-9**
At least one from: [1]		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 552	Elementary Geometric and Algebraic Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
Remaining courses/credits may be from:		
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 443	Applied Linear Algebra	

MATH 444	Graphs and Networks in Data Science	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
Natural/Biological Sciences Requirement (Four courses distinct from the above for at least 12 credits) [1]		**12-16**
PHYSICS 247	A Modern Introduction to Physics	
or PHYSICS 207	General Physics	
or PHYSICS 201	General Physics	
or E M A 201	Statics	
PHYSICS 248	A Modern Introduction to Physics	
or PHYSICS 208	General Physics	
or PHYSICS 202	General Physics	
Two additional courses from the following: [2]		
ASTRON 310	Stellar Astrophysics	
ASTRON 320	The Interstellar Medium	
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	
ATM OCN 311	Dynamics of the Atmosphere and Ocean II	
ATM OCN 330	Physics of the Atmosphere and Ocean I	
ATM OCN 340	Physics of the Atmosphere and Ocean II	
BIOCORE 383	Cellular Biology	
CHEM 561	Physical Chemistry I	
or CHEM 665	Biophysical Chemistry	
CHEM 562	Physical Chemistry II	
COMP SCI 300	Programming II	
COMP SCI 310	Problem Solving Using Computers	
COMP SCI 320	Data Science Programming II	
COMP SCI 400	Programming III	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
GEOSCI/ G L E 350	Introduction to Geophysics: The Dynamic Earth	
GEOSCI/ CIV ENGR/ ENVIR ST/ G L E 444	Practical Applications of GPS Surveying	
GEOSCI/ G L E 537	Quantitative Methods for Geoscience	
GEOSCI/ G L E 594	Introduction to Applied Geophysics	
GEOSCI/ G L E 627	Hydrogeology	
PHYSICS 249	A Modern Introduction to Physics	
or PHYSICS 241	Introduction to Modern Physics	
or PHYSICS 205	Modern Physics for Engineers	
PHYSICS 311	Mechanics	
PHYSICS 321	Electric Circuits and Electronics	
PHYSICS 322	Electromagnetic Fields	
PHYSICS 323	Electromagnetic Fields	
PHYSICS 325	Optics	
PHYSICS/B M E/ H ONCOL/ MED PHYS 501	Radiation Physics and Dosimetry	
PHYSICS/E C E/ N E 525	Introduction to Plasmas	
PHYSICS 551	Solid State Physics	
PHYSICS 623	Electronic Aids to Measurement	
PHYSICS 625	Applied Optics	
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
STAT 333	Applied Regression Analysis	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT/M E 424	Statistical Experimental Design	
STAT/MATH 431	Introduction to the Theory of Probability	
or STAT/ MATH 309	Introduction to Probability and Mathematical Statistics I	
or STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics	
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization	
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes	
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology	
BIOCHEM/ BOTANY 621	Plant Biochemistry	
BSE 249	Engineering Principles for Biological Systems	
BSE 349	Quantitative Techniques for Biological Systems	

BSE 364	Engineering Properties of Food and Biological Materials
BSE 365	Measurements and Instrumentation for Biological Systems
BSE/M E 475	Engineering Principles of Agricultural Machinery
B M E 310	Bioinstrumentation
B M E 315	Biomechanics
B M E 325	Applied Statistics for Biomedical Engineers
B M E 330	Engineering Principles of Molecules, Cells, and Tissues
B M E/H ONCOL/ MED PHYS/ PHYSICS 501	Radiation Physics and Dosimetry
B M E/M E 505	Biofluidics
B M E 520	Stem Cell Bioengineering
B M E/ MED PHYS 535	Introduction to Energy-Tissue Interactions
B M E 556	Systems Biology: Mammalian Signaling Networks
B M E/ MED PHYS 566	Physics of Radiotherapy
B M E/ MED PHYS 567	The Physics of Diagnostic Radiology
B M E/ MED PHYS 573	Mathematical Methods in Medical Physics
B M E/M E 615	Tissue Mechanics
CBE 255	Introduction to Chemical Process Modeling
CBE 310	Chemical Process Thermodynamics
CBE 320	Introductory Transport Phenomena
CBE 326	Momentum and Heat Transfer Operations
CIV ENGR 310	Fluid Mechanics
CIV ENGR 311	Hydroscience
CIV ENGR 322	Environmental Engineering Processes
CIV ENGR 340	Structural Analysis I
CIV ENGR 370	Transportation Engineering
E C E 220	Electrodynamics I
E C E 230	Circuit Analysis
E C E/ PHYSICS 235	Introduction to Solid State Electronics
E C E 320	Electrodynamics II
E C E 330	Signals and Systems
E C E/COMP SCI/ MATH 435	Introduction to Cryptography
E C E/M E 441	Kinematics, Dynamics, and Control of Robotic Manipulators
E M A 202	Dynamics
E M A 303	Mechanics of Materials
E M A 405	Practicum in Finite Elements
E M A/E P 471	Intermediate Problem Solving for Engineers
E M A/E P 547	Engineering Analysis I
E M A/E P 548	Engineering Analysis II
E M A/ ASTRON 550	Astrodynamics
I SY E 320	Simulation and Probabilistic Modeling
I SY E 323	Operations Research-Deterministic Modeling
I SY E 516	Introduction to Decision Analysis
I SY E/COMP SCI/ E C E 524	Introduction to Optimization
I SY E/COMP SCI/ MATH/STAT 525	Linear Optimization
I SY E/ COMP SCI 526	Advanced Linear Programming
M S & E 330	Thermodynamics of Materials
M S & E 331	Transport Phenomena in Materials
M S & E 332	Macroprocessing of Materials
M S & E 434	Introduction to Thin-Film Deposition Processes
M S & E 460	Introduction to Computational Materials Science and Engineering
M E 331	Computer-Aided Engineering
M E 340	Dynamic Systems
M E 361	Thermodynamics
M E/STAT 424	Statistical Experimental Design
M E 446	Introduction to Feedback Control
M E 536	Data Driven Engineering Design
N E 305	Fundamentals of Nuclear Engineering
N E/E C E/ PHYSICS 525	Introduction to Plasmas
N E/I SY E 574	Methods for Probabilistic Risk Analysis of Nuclear Power Plants
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry
MED PHYS/ B M E 535	Introduction to Energy-Tissue Interactions
MED PHYS 563	Radionuclides in Medicine and Biology
MED PHYS/ B M E 567	The Physics of Diagnostic Radiology
MED PHYS/ N E 569	Health Physics and Biological Effects
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA for all MATH courses and courses eligible for the major.[3]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[4]
- 15 credits in MATH in the major taken on the UW-Madison campus.[5]

FOOTNOTES

1 Courses listed in the tables below may have prerequisites outside of the program requirements.
2 Any MATH course from the elective list above may be used in lieu of any of the following courses.
3 This includes any course with the MATH prefix (or cross-listed with MATH) regardless of appearing in the tables above as well as only those non-MATH courses which appear in the tables above.
4 This includes any MATH courses (or courses cross-listed with MATH) numbered 307 and above, regardless of appearing in the tables above, as well as any non-MATH course listed in the tables above which carries the advanced LAS designation.
5 This includes any course with the MATH prefix (or cross-listed with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate Math course (or sequence)
4. Additional 300/400-level courses as needed
5. Required Advanced Math course
6. Additional 500/600-level course(s)

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH 321	3
MATH 320	3	Humanities Breadth	3
Humanities Breadth	3	Social Sciences Breadth	3
Communication B	3	Elective	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH elective	3	MATH 322	3
PHYSICS 247, 207, 201, or E M A 201	5	PHYSICS 248, 208, or 202	5
Social Sciences Breadth	3	Biological Sciences Breadth	3
Biological Sciences Breadth	3	INTER-LS 210	1
		Elective	3
	14		**15**

Senior

Fall	Credits	Spring	Credits
Required Advanced MATH	3	500/600-level MATH elective	3
Natural/Biological requirement elective	3	Natural/Biological requirement elective	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Elective	4	Elective	3
Elective	3	Elective	3
	16		**15**

Total Credits 120

FOOTNOTES

1 Students should declare their major upon the successful completion of this course

MATHEMATICS, BS

Mathematics is about understanding the world through studies of quantity, structure, pattern, and change to create logical solutions that make life more meaningful and more beautiful. Mathematics bridges the humanities and the sciences. Its position among the humanities is based on the study of mathematics as one of the liberal arts for more than two thousand years. The natural sciences have invariably turned to mathematics for techniques needed to explore the consequences of scientific theories. In the last few decades, social scientists have increasingly found higher mathematics of value in their training and research. Still an expanding subject, mathematics is a part of more new and challenging frontiers than at any time in its long history, with many new fields, from data science to quantum computing, requiring new techniques and inspiring ideas for exploration.

Students interested in Mathematics may also wish to consider the Bachelor of Science—Applied Mathematics, Engineering, and Physics (p. 1098) (BS AMEP).

HOW TO GET IN

HOW TO GET IN

DECLARATION

To declare a major in mathematics, a student must have completed the sequence MATH 221, MATH 222, and MATH 234, or the

sequence MATH 375 and MATH 376, with a 2.500 GPA or better. Major advisors may waive this requirement for students with alternative coursework and experiences (e.g., transfer students). Students should meet with a math advisor before declaring in order to discuss course selection and major plan. Advising information can be found in the Advising and Careers (https://guide.wisc.edu/undergraduate/letters-science/mathematics/mathematics-bs/#advisingandcareerstext) link.

Students who are declared in the Bachelor of Science-Applied Mathematics, Engineering, and Physics degree may not be declared in the Mathematics for Physical and Biological Sciences named option.

Students declared in the Mathematics certificate may not be declared in the Mathematics major at the same time. Students who wish to declare this major must first cancel their declaration in the Mathematics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The mathematics major requirements include exposure to at least two areas of advanced mathematics. The program is ideal for any student who has a broad interest in mathematics both pure and applied, and functions well as a standalone or complementary program. The mathematics major also offers six named options (p. 1127) for students interested in pursuing an applied focus area outside of mathematics as part of their major.

The mathematics major requires 7 distinct courses for at least 21 credits as described below. Note that at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e., seven courses and at least 21 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320, or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

At least seven MATH courses for at least 21 credits are required for the major as follows[1]:

Code	Title	Credits
Linear Algebra (complete one) [2]		**3-5**
MATH 341	Linear Algebra	

or MATH 320	Linear Algebra and Differential Equations
or MATH 340	Elementary Matrix and Linear Algebra
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra

Code	Title	Credits
Analysis, Topology, Algebra (complete two)		**6**
MATH 521	Analysis I	
MATH 541	Modern Algebra	
MATH 551	Elementary Topology	

ADVANCED MATH ELECTIVE (COMPLETE ONE)

Code	Title	Credits
Complete at least one for three credits:		3
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 552	Elementary Geometric and Algebraic Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 607	Topics in Mathematics Study Abroad	
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 621	Introduction to Manifolds	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
MATH 681	Senior Honors Thesis	
MATH 682	Senior Honors Thesis	
MATH 691	Undergraduate Thesis	
MATH 692	Undergraduate Thesis	
MATH 698	Directed Study	
MATH 699	Directed Study	

ADDITIONAL MATH ELECTIVE TO ACHIEVE 7 COURSES AND 21 CREDITS IN THE MAJOR

Code	Title	Credits
Choose from the following:		9
MATH/STAT 431	Introduction to the Theory of Probability [3]	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations [4]	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 390	Undergraduate Research with Madison Experimental Mathematics Lab [5]	
MATH 407	Topics in Mathematics Study Abroad	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography	
MATH 443	Applied Linear Algebra	
MATH 444	Graphs and Networks in Data Science	
MATH 461	College Geometry I	
MATH 467	Introduction to Number Theory	
MATH/ HIST SCI 473	History of Mathematics	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
MATH 490	Undergraduate Seminar	
MATH 491	Topics in Undergraduate Mathematics	
MATH/ COMP SCI 513	Numerical Linear Algebra	

MATH/ COMP SCI 514	Numerical Analysis
MATH 519	Ordinary Differential Equations
MATH 521	Analysis I
MATH 522	Analysis II
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization
MATH 531	Probability Theory
MATH 535	Mathematical Methods in Data Science
MATH 540	Linear Algebra II
MATH 541	Modern Algebra
MATH 542	Modern Algebra
MATH 551	Elementary Topology
MATH 552	Elementary Geometric and Algebraic Topology
MATH 561	Differential Geometry
MATH 567	Modern Number Theory
MATH 570	Fundamentals of Set Theory
MATH/ PHILOS 571	Mathematical Logic
MATH 607	Topics in Mathematics Study Abroad
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction
MATH 619	Analysis of Partial Differential Equations
MATH 621	Introduction to Manifolds
MATH 623	Complex Analysis
MATH 627	Introduction to Fourier Analysis
MATH 629	Introduction to Measure and Integration
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus
MATH 681	Senior Honors Thesis
MATH 682	Senior Honors Thesis
MATH 691	Undergraduate Thesis
MATH 692	Undergraduate Thesis
MATH 698	Directed Study
MATH 699	Directed Study
Total Credits	**9**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all MATH and major courses.
- 2.000 GPA on 15 upper-level major credits, taken in residence.[6]
- 15 credits in MATH, taken on the UW–Madison campus.

NAMED OPTIONS

View as listView as grid

- **MATHEMATICS: MATHEMATICS FOR DATA SCIENCE (P. 1109)**
- **MATHEMATICS: MATHEMATICS FOR ECONOMICS AND FINANCE (P. 1111)**
- **MATHEMATICS: MATHEMATICS FOR PROGRAMMING AND COMPUTING (P. 1113)**
- **MATHEMATICS: MATHEMATICS FOR SECONDARY EDUCATION (P. 1116)**
- **MATHEMATICS: MATHEMATICS FOR STATISTICAL ANALYSIS AND RISK ASSESSMENT (P. 1118)**
- **MATHEMATICS: MATHEMATICS FOR THE PHYSICAL AND BIOLOGICAL SCIENCES (P. 1120)**

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Mathematics Honors advisor (https://www.math.wisc.edu/undergraduate/advising/); this should be done by the start of the junior year. Honors in the major is not available in any Named Option program.

HONORS IN THE MATHEMATICS MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the mathematics major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all MATH courses, and all courses accepted in the major
- Complete the following courses, with individual grades of B or better:

Code	Title	Credits
MATH 521 & MATH 522	Analysis I and Analysis II (Taken for Honors) [7]	
MATH 541 & MATH 542	Modern Algebra and Modern Algebra (Taken for Honors) [7]	
Select at least two more courses from MATH 500 through MATH 641. These course must be taken for honors. The following will usually be one of the courses: [8]		
MATH 551	Elementary Topology	
Select one of these Capstone projects:		
MATH 681 & MATH 682	Senior Honors Thesis and Senior Honors Thesis (For a total of 6 credits)	
or		
A sequence of two upper-level mathematics courses deemed acceptable by the Mathematics Honors advisor [8]		

FOOTNOTES

[1] A course may only apply once toward the courses/credits required for the major. Thus, a course used to meet the Analysis, Topology and Algebra requirement may *not* also be used to meet the requirement for MATH 500-699 requirement and a course used to meet the MATH 500-699 requirement may *not* also be used in the Additional Math requirement.

[2] Only one of these courses will be used to fulfill minimum course/credit requirements for the major: MATH 320, MATH 340, MATH 341, MATH 375

[3] At most one course in Introductory Probability may be used to fulfill the course/credit requirements for the major: MATH/STAT 309 and MATH/STAT 431.

[4] At most one course in Elementary Differential Equations may be used to fulfill the course/credit requirements for the major: MATH 319, MATH 320, MATH 376.

[5] MATH 390 will only count once toward the major requirements

[6] MATH courses numbered 307–699 are considered upper level in the major.

[7] At least one of the two sequences (MATH 521–MATH 522 or MATH 541–MATH 542) must be completed prior to enrolling in the Capstone project.

[8] Chosen in consultation with the Mathematics Honors advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. State, explain, and apply the principal results, definitions, and theorems of a wide collection of mathematical areas including at least one area of advanced undergraduate mathematics.
2. Construct and evaluate mathematical proofs and arguments.
3. Acquire a diverse set of skills and strategies in mathematical reasoning/problem solving.
4. Use mathematics to model and analyze phenomena in other disciplines.
5. Write, explain, and present mathematics to both experts and non--experts.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

MATHEMATICS MAJOR - BACHELOR OF ARTS/SCIENCE DEGREE

Freshman

Fall	Credits	Spring	Credits
MATH 221[1,2]	5	MATH 222[2]	4
Communication A	3	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Literature Breadth	3	Literature Breadth	3
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234	4	MATH 341	3
Communication B	3	300/400-level MATH[3]	3
Humanities Breadth	3	Humanities Breadth	3
Physical Science Breadth	3	Physical Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH[3]	3	300/400-level MATH[3]	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
500/600-level MATH elective[4]	3	Social Sciences Breadth	3
Social Science Breadth	3	Elective	3
Elective	3	Elective	3

Elective	3 Elective	3
Elective	3 Elective	3
	15	**15**

Total Credits 120

1 Math majors will naturally complete Quantitative Reasoning requirements with the introductory calculus courses required to declare the major.

2 Declaration of the Mathematics major requires a 2.500 cumulative GPA across the introductory calculus sequence. Students that are unable to establish a GPA for any courses in the introductory calculus sequence are encouraged to speak with a Mathematics major advisor as soon as possible.

3 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375 and MATH/CURRIC 471.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it —along with their DARS report, the Degree Planner, and Course Search & Enroll tools — to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Historically, students who have successfully complete a three year undergraduate degree with a major in Mathematics have the following qualifications: a minimum of 29 advanced standing credits, which include completion of the following with either course credit or via placement examination:

- MATH 221 and MATH 222
- Communication Part A
- 3-4 units of foreign language

Therefore the plan below assumes these requirements, but none other. When considering the plan below, students should note the following:

- Advanced standing credits may satisfy Ethnic Studies, Communication Part B, and/or Letters & Science Breadth degree requirements which are listed in the plan. In this case, students should adjust their plan by reorganizing the remaining degree requirements using the following priorities:
  a. Ethnic Studies and Communication Part B (obligatory in the first year)
  b. Physical, Biological, and Social Science Breadth (which may be prerequisites for more advanced electives)
  c. Humanities and Literature.
  d. Remaining schedule space should be considered electives.
- At least 26 of the non-MATH credits must be at the Intermediate or Advanced level.
- Consider using the elective space in the plan as follows: additional major or certificate, career readiness, graduate school preparation, and other personal interests.

First Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH Linear Algebra	3
Ethnic Studies	3	300/400-level MATH[1]	3
Communication B	3	Physical Science Breadth	3
Biological Science Breadth	3	Biological Science Breadth	3
Physical Science Breadth	3	Foreign Language (if needed for the BA) or Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
300/400-level MATH[1]	3	300/400-level MATH[1]	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Literature Breadth	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective (Intermediate or Advanced level)	3	Elective (Intermediate or Advanced level)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
500/600-level MATH elective	3	Humanities Breadth (Intermediate or Advanced level)	3
Social Science Breadth	3	Social Science Breadth (Intermediate or Advanced level)	3
Humanities Breadth	3	Elective (Intermediate or Advanced level)	9
Elective (Intermediate or Advanced level)	6		
	15		**15**

Total Credits 91

1 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375, and MATH/CURRIC 471.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students who are interested in the Mathematics major should visit a faculty advisor. Information about current advisor availability is on the Math advising page (https://www.math.wisc.edu/undergraduate/advising/).

For advice on college algebra, pre-calculus, and calculus, see the placement advising pages (https://www.math.wisc.edu/undergraduate/placement/) of the department.

Transition Courses

All majors are required to complete at least one of the following as the prerequisite for one or more proof-based 500-level courses required in the major. It is suggested that Mathematics-declared students (and those interested in the major) complete such a course as soon in their academic career as possible.

Code	Title	Credits
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	

Graduate Study

Students preparing for graduate work in mathematics should take the following courses:

Code	Title	Credits
MATH 341	Linear Algebra	3
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3
MATH 551	Elementary Topology	3
or MATH 561	Differential Geometry	
Select at least two other courses at the 500 level or higher		

Students who plan to enter a mathematics PhD program should acquire a reading knowledge of at least one language other than English as early as possible; the most useful languages are French (https://guide.wisc.edu/courses/french/), German (https://guide.wisc.edu/courses/german/), and Russian (https://guide.wisc.edu/courses/slavic/).

CAREERS

In recent years, students graduating with the Mathematics major have obtained employment in a variety of jobs in business, industry, and governmental agencies and also have obtained teaching positions at the secondary school level (such teaching positions normally require teaching certification). Others have continued their education at the graduate level in mathematics and other fields. Departments in a variety of fields that use mathematics, including the social and biological sciences as well as in engineering and the physical sciences, are interested in attracting Mathematics students into their graduate programs. Students with a mathematics PhD obtain academic positions at the college and university level and nonacademic positions entailing consulting and research. The Mathematics major requirements are flexible enough to allow preparation for various goals.

For information about opportunities related to possible careers with a Mathematics major, refer to our Advising (https://math.wisc.edu/undergraduate/advising/) page under "Career Advising."

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Department of Mathematics offers scholarships, awards, and prizes (https://math.wisc.edu/undergraduate/awards/) to students declared in the Mathematics major. Award applications are open during the spring semester so that award recipients may be selected before the end of spring semester and applied to fall enrollment.

Awards vary in scope and criteria. Some awards are open to students who exhibit financial need, while others are granted to students based on academic merit. Other awards are related to undergraduate research. Awards may be open to specific student populations such as early-career majors or those interested in a career as a teacher.

Students declared in the Mathematics major are encouraged to apply for any scholarships for which they meet the qualifications.

MATHEMATICS: MATHEMATICS FOR DATA SCIENCE

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and

courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for Data Science program requires 10 distinct courses for at least 30 credits as described below. Note that while some courses may be used to fulfill more than one requirement it is still considered only a single course and may only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits)		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Probability (complete at least one)		*3*
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 531	Probability Theory	
Numerical and optimization methods (complete at least one)		*3*
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 443	Applied Linear Algebra	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
Mathematics of data		*3*
MATH 535	Mathematical Methods in Data Science	
Advanced Electives (complete at least one):		*0-3*
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 540	Linear Algebra II	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
Electives to reach required six courses for at least 18 credits in MATH [1]		*0-6*
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH 443	Applied Linear Algebra	
MATH 444	Graphs and Networks in Data Science	
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 540	Linear Algebra II	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
Data Science Requirement (at least four courses for at least 12 credits) [2]		**12**
Data Science Fundamentals (choose one)		
STAT 340	Data Science Modeling II	
COMP SCI 320	Data Science Programming II	
Remaining courses may be selected from below or from the MATH elective lists above. [3]		
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/ E C E 533	Image Processing	

COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks
COMP SCI 540	Introduction to Artificial Intelligence
COMP SCI 541	Theory & Algorithms for Data Science
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning
COMP SCI/ B M I 567	Biomedical Image Analysis
COMP SCI/ B M I 576	Introduction to Bioinformatics
STAT 351	Introductory Nonparametric Statistics
STAT 421	Applied Categorical Data Analysis
STAT/M E 424	Statistical Experimental Design
STAT 433	Data Science with R
STAT 443	Classification and Regression Trees
STAT 453	Introduction to Deep Learning and Generative Models
STAT 456	Applied Multivariate Analysis
STAT 461	Financial Statistics
STAT/ COMP SCI 471	Introduction to Computational Statistics
STAT/B M I 641	Statistical Methods for Clinical Trials
STAT/B M I 642	Statistical Methods for Epidemiology
ECON 400	Introduction to Applied Econometrics
ECON 410	Introductory Econometrics
ECON 570	Fundamentals of Data Analytics for Economists
I SY E 412	Fundamentals of Industrial Data Analytics
I SY E 612	Information Sensing and Analysis for Manufacturing Processes
M E 536	Data Driven Engineering Design
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[4]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[5]
- 15 credits in MATH in the major taken on the UW-Madison campus.[6]

FOOTNOTES

1 Elective courses must be distinct from those used to fulfill the above requirements.

2 Courses below may have prerequisites outside of this program.

3 MATH courses must be distinct from any used to fulfill an above requirement.

4 This includes any course with a MATH prefix (or crosslisted with MATH) regardless of its appearance in the tables above and any non-MATH class explicitly listed in the tables above.

5 This includes any MATH course (including those crosslisted with MATH) numbered 307 and above, regardless of its appearance in the tables above, as well as only those non-MATH classes which appear in the tables above and have the advanced LAS attribute.

6 This includes any MATH course (and those crosslisted with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level courses as needed
5. Required Advanced MATH course
6. Additional 500/600-level MATH courses

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234	4	MATH Required Linear Algebra	3
Humanities Breadth	3	MATH Required Probability	3
Communication B	3	Humanities Breadth	3
Prerequisite for Data Science Fundamentals course	4	Physical Science Breadth	3
INTER-LS 210	1	Elective	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
Required Intermediate MATH	3	300/400-level MATH Elective	3
Data Science Fundamentals Course	4	Data Science Elective	3
Social Sciences Breadth	3	Social Science Breadth	3

Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Senior

Fall	Credits	Spring	Credits
MATH 535	3	500/600-level MATH elective	3
Data Science Elective	3	Data Science Elective	3
Social Science Breadth	3	Social Science Breadth	3
Electives	6	Electives	6
	15		**15**

Total Credits 120

MATHEMATICS: MATHEMATICS FOR ECONOMICS AND FINANCE

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics Major with Economics and Finance focus requires 10 distinct courses for at least 30 credits as described below. Note that while some courses may be used to fulfill more than one requirement it is still considered only a single course and may only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Differential equations		*0-5*
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
or MATH 415	Applied Dynamical Systems, Chaos and Modeling	
or MATH 519	Ordinary Differential Equations	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Analysis Requirement		*3*
MATH 521	Analysis I	
Electives to reach required six courses for at least 18 credits of MATH		**6-9**
At least one course must be selected from:		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
Remaining courses/credits may be from:		
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	

MATH 415	Applied Dynamical Systems, Chaos and Modeling
MATH 421	The Theory of Single Variable Calculus
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization
MATH/STAT 431	Introduction to the Theory of Probability
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I
MATH 443	Applied Linear Algebra
MATH 444	Graphs and Networks in Data Science
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics

Economics/Finance Requirement (Four Courses distinct from the above for at least 12 credits) [1]

Select one of the following introductory sequences:		*6-8*
ECON 311 & ECON 312	Intermediate Microeconomic Theory - Advanced Treatment and Intermediate Macroeconomic Theory - Advanced Treatment	
ECON 301 & ECON 302	Intermediate Microeconomic Theory and Intermediate Macroeconomic Theory	
ECON/ FINANCE 300 & ECON/ FINANCE 320	Introduction to Finance and Investment Theory	
Economics/Finance Elective (choose at least two) [2]		*6-8*
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
ECON/A A E 421	Economic Decision Analysis	
ECON 435	The Financial System	
ECON 441	Analytical Public Finance	
ECON 442	Macroeconomic Policy	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 455	Behavioral Economics	
ECON 458	Industrial Structure and Competitive Strategy	
ECON 460	Economic Forecasting	
ECON 461	International Macroeconomics	
ECON 464	International Trade	
ECON 468	Industrial Organization and Imperfect Competition	
ECON 475	Economics of Growth	
ECON/ FINANCE 503	Markets with Frictions	
ECON 521	Game Theory and Economic Analysis	
ECON/A A E 526	Quantitative Methods in Agricultural and Applied Economics	
ECON 621	Markets and Models	
ECON 661	Issues in International Macroeconomics	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
FINANCE 305	Financial Markets, Institutions and Economic Activity	
FINANCE 325	Corporation Finance	
FINANCE 330	Derivative Securities	
FINANCE 340	Fixed Income Securities	
FINANCE/ INTL BUS 445	Multinational Business Finance	
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[3]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[4]
- 15 credits in MATH in the major taken on the UW-Madison campus.[5]

FOOTNOTES

1 Some courses which follow may have prerequisites outside of the courses approved for this named option.

2 Any MATH course from the elective list above may be used in lieu of any of the following courses.

3 This includes any MATH courses (and those cross-listed with MATH) regardless of appearing in the tables above as well as only those non-MATH courses which are explicitly listed in the tables above.

4 This includes any MATH courses (and those cross-listed with MATH) numbered 307 and above, regardless of appearing in the tables above, as well as only those non-MATH course explicitly listed in the tables above which carry the advanced LAS designation.

5 This includes any MATH courses (and courses cross-listed with MATH) numbered 307 and above regardless of appearing in the tables above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level courses as needed
5. Required Advanced MATH course
6. Additional 500/600-level courses

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	ECON 101	4
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Linear Algebra	3
Humanities Breadth	3	300/400-level MATH Elective[3]	3
Communication B	3	Humanities Breadth	3
Physical Science Breadth	3	Physical Science Breadth	3
Elective[2]	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
MATH Differential Equations	3	Required Intermediate MATH Course	3
Economics/Finance intro course 1	3-4	Economics/Finance intro course 2	3-4
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Literature Breadth	3	Physical Science Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
MATH 521	3	500/600-level MATH Elective	3
Econ/Finance Elective	3-4	Econ/Finance elective	3-4
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	2
	15		**14**

Total Credits 120

Students must declare a major by the time they reach Senior standing (86 credits).

Please refer to the Requirements tab in Guide for additional College of Letters & Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

[1] Students should declare the math major upon successful completion of this course

[2] Students may use this elective to take the second prerequisite for their introductory economics/finance sequence: ECON 102, ACCT I S 100, or ACCT I S 300.

[3] MATH/STAT 431 or STAT/MATH 309 is recommended since it can be used as the prerequisite for a number of the Economics and Finance courses students can choose in this named option.

MATHEMATICS: MATHEMATICS FOR PROGRAMMING AND COMPUTING

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for Programming and Computing program requires 10 distinct courses for at least 30 credits as described below. While a single courses may be used to fulfill more than one requirement, it will only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits)		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	

MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Advanced Mathematics Requirement (complete one)		*3*
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH/ PHILOS 571	Mathematical Logic	
MATH Elective to reach required minimum of six courses for at least 18 credits		**6-12**
At least one course must be from: [1]		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
Select remaining courses from:		
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography	
MATH 443	Applied Linear Algebra	
MATH 444	Graphs and Networks in Data Science	
MATH 467	Introduction to Number Theory	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
Programming and Computations Requirement (Four Courses distinct from the above for at least 12 credits) [2]		
COMP SCI 300	Programming II	3
COMP SCI 400	Programming III	3
Elective [3]		*6-8*
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/E C E/ MATH 435	Introduction to Cryptography	
COMP SCI/ STAT 471	Introduction to Computational Statistics	
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI 520	Introduction to Theory of Computing	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/ I SY E 526	Advanced Linear Programming	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/ E C E 533	Image Processing	

COMP SCI 534	Computational Photography
COMP SCI 538	Introduction to the Theory and Design of Programming Languages
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks
COMP SCI 540	Introduction to Artificial Intelligence
COMP SCI 541	Theory & Algorithms for Data Science
COMP SCI 559	Computer Graphics
COMP SCI/ B M I 567	Biomedical Image Analysis
COMP SCI/ B M I 576	Introduction to Bioinformatics
COMP SCI 577	Introduction to Algorithms
COMP SCI 642	Introduction to Information Security
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[4]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[5]
- 15 credits in MATH in the major taken on the UW-Madison campus.[6]

FOOTNOTES

1 This course must be distinct from the advanced mathematics requirement.

2 Courses below may have prerequisites outside of the requirements for this named option.

3 Any MATH course from the elective list above may be used in lieu of any of the following courses.

4 This includes any course with a MATH prefix (including those cross-listed with MATH) regardless of major program as well as only those non-MATH course explicitly listed in the tables above.

5 This includes any course with a MATH prefix (including those cross-listed with MATH) numbered 307 and above as well as only those non-MATH courses which appear in the tables above and carry the advanced LAS designation.

6 This includes only those courses with a MATH prefix (or crosslisted with MATH).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level MATH courses as needed
5. Required Advanced MATH course
6. Additional 500/600-level MATH courses

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Required Linear Algebra	3
Humanities Breadth	3	Required Intermediate MATH	3
Communication B	3	COMP SCI 200	3
Physical Science Breadth	3	Humanities Breadth	3
Elective	3	Physical Science Breadth	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH elective	3	300/400-level MATH elective	3
COMP SCI 300	3	COMP SCI 400	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Required Advanced MATH	3	500/600-level MATH elective	3
Elective Programming/ Computations Course	3	Elective Programming/ Computations Course	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1 Students should declare the major upon the successful completion of this course

MATHEMATICS: MATHEMATICS FOR SECONDARY EDUCATION

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics Major for Secondary Education named option requires at least 8 distinct courses for at least 24 credits as described below. While a single courses may be used to fulfill more than one requirement, it will only contribute once to the total course/credit count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of 8 courses and at least 24 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Requirements (minimum of eight distinct courses for at least 24 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Intermediate Mathematics Requirement (complete at least one)		*0-3*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	
Analysis (complete at least one)		*0-3*
MATH 421	The Theory of Single Variable Calculus	
MATH 521	Analysis I	
Modern Algebra (complete at least one)		*3*
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
Probability or Combinatorics (complete at least one)		*3*
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 444	Graphs and Networks in Data Science	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
MATH 531	Probability Theory	
Statistics		*3*
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
or STAT 301	Introduction to Statistical Methods	
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
or STAT 324	Introduction to Statistics for Science and Engineering	
or ECON 310	Statistics: Measurement in Economics	
History of Mathematics		*3*
MATH/ HIST SCI 473	History of Mathematics	
Geometry		*3*
MATH 461	College Geometry I	
Capstone course		*3*
MATH/ CURRIC 471	Mathematics for Secondary School Teachers	
Advanced mathematics		*0-6*
Additional advanced course if needed to reach at least two math courses above 500		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 619	Analysis of Partial Differential Equations	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	

MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
Total Credits	**24**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[2]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[3]
- 15 credits in MATH in the major taken on the UW-Madison campus.[4]

FOOTNOTES

1 Course options below may have prerequisites outside of those listed for this program.
2 This includes any course with a MATH prefix (including those cross-listed with MATH) regardless of its appearance in the tables above as well as only those specific non-MATH courses listed in the tables above.
3 This includes all MATH courses (including those crosslisted with MATH) which are numbered 307 and above, regardless of appearing in the course lists above, as well as only those non-MATH courses which appear in the lists above and carry the advanced LAS designation.
4 This includes only those courses with a MATH prefix (or cross-listed with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate MATH course
4. Additional 300/400-level level courses as needed
5. Required 500-level Algebra course
6. Additional 500/600-level course

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Required Linear Algebra	3
Humanities Breadth	3	MATH Required Probability or Combinatorics	3
Communication B	3	Humanities Breadth	3
Physical Sciences Breadth	3	Physical Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
MATH Required Analysis	3	MATH 461	3
MATH Required Statistics	3	Social Sciences Breadth	3
Social Sciences Breadth	3	Biological Sciences Breadth	3
Biological Sciences Breadth	3	Elective	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
MATH/HIST SCI 473	3	MATH second Required 500/600-level course or Elective	3
MATH Required Algebra	3	MATH/CURRIC 471 (MATH second required 500/600-level course or Elective)	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

FOOTNOTES

1 Students should declare their major upon the successful completion of this course
2 Taught only in odd-numbered springs. Take spring of junior year if graduating in an even-numbered spring.

MATHEMATICS: MATHEMATICS FOR STATISTICAL ANALYSIS AND RISK ASSESSMENT

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated

fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for Statistical Analysis and Risk Assessment program requires 10 distinct courses for at least 30 credits as described below. Note that while some courses may be used to fulfill more than one requirement it is still considered only a single course and may only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Probability (Complete at least one)		*3*
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 531	Probability Theory	
Statistics [1]		*3*
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II (Statistics)	
Intermediate Mathematics Requirement (complete at least one)		*0-6*
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Advanced Mathematics Requirement (select one)		*3*
MATH/COMP SCI 514	Numerical Analysis	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
Electives to reach required six courses for at least 18 credits in MATH		*3-6*
At least one elective must come from: [2]		
MATH/COMP SCI 513	Numerical Linear Algebra	
MATH/COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/COMP SCI/I SY E/STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
Remaining courses/credits may be selected from:		
MATH 319	Techniques in Ordinary Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/COMP SCI/I SY E 425	Introduction to Combinatorial Optimization	
MATH/COMP SCI/E C E 435	Introduction to Cryptography	
MATH 443	Applied Linear Algebra	
MATH 444	Graphs and Networks in Data Science	

MATH 467	Introduction to Number Theory	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
Statistics/Risk Requirement (Four Courses distinct from the above for at least 12 credits) [3]		
Select a distinct introduction course or sequence:		3-6
Actuarial Sciences:		
ACT SCI 303	Theory of Interest	
Statistics:		
STAT 333 & STAT/M E 424	Applied Regression Analysis and Statistical Experimental Design	
Data Science:		
STAT 340 & STAT/M E 424	Data Science Modeling II and Statistical Experimental Design	
Select remaining courses/credits from: [4]		*6-14*
ACT SCI 650	Fundamentals of Long-Term Actuarial Modeling	
ACT SCI 651	Advanced Long-Term Actuarial Modeling	
ACT SCI 652	Fundamentals of Short-Term Actuarial Modeling	
ACT SCI 653	Advanced Short-Term Actuarial Modeling	
ACT SCI 654	Regression and Time Series for Actuaries	
ACT SCI 655	Health Analytics	
GEN BUS 656	Foundations of Statistical Learning for Business Analytics	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics	
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization	
STAT 575	Statistical Methods for Spatial Data	
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes	
STAT/B M I 641	Statistical Methods for Clinical Trials	
STAT/B M I 642	Statistical Methods for Epidemiology	
M E 536	Data Driven Engineering Design	
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all MATH courses and courses eligible for the major.[5]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[6]
- 15 credits in MATH in the major taken on the UW-Madison campus.[7]

FOOTNOTES

1. Students taking STAT 312 to satisfy the Statistics requirement will not be able to use this course towards the six courses/18 credits of MATH courses.
2. This course must be distinct from the advanced mathematics requirement.
3. The courses which follow may have prerequisites outside of this program.
4. Any MATH course from the elective list above may be used in lieu of any of the following courses.
5. This includes any course with a MATH prefix (or cross-listed with MATH) regardless of its appearance in the tables above and any non-MATH course explicitly listed in the tables above.
6. This includes any MATH course (including those crosslisted with MATH) which are numbered 307 and above, regardless of its appearance in the tables above, as well as only those non-MATH course which appear in the tables above and have the advanced LAS attribute.
7. This includes any MATH course (and those crosslisted with MATH) numbered 307 and above.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate Mathematics course
4. Additional 300/400-level MATH courses as needed
5. Required Advanced Mathematics course
6. Additional 500/600-level MATH course(s)

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH Required Linear Algebra	3
Introductory Statistics course[2]	3-4	MATH Required Probability	3
Humanities Breadth	3	Humanities Breadth	3
Communication B	3	Physical Science Breadth	3
Physical Science Breadth	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
MATH/STAT 310	3	Required Intermediate MATH	3
Statistics/Risk course	3	Statistics/Risk course	3
Social Sciences Breadth	3	Social Science Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Required Advanced MATH	3	500/600-level MATH Elective	3
Statistics/Risk course	3	Statistics/Risk course	3
Social Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1 Students should declare their major upon the successful completion of this course

2 To enroll in MATH/STAT 310, students must have an introductory statistics course. STAT 324 or STAT 240 are recommended for students in this named option, but STAT 301, STAT 371, and ECON 310 also satisfy the prerequisite.

MATHEMATICS: MATHEMATICS FOR THE PHYSICAL AND BIOLOGICAL SCIENCES

The Mathematics major's named options allow students to develop a deep understanding of how the subject relates to other areas of human inquiry. The requirements for these options feature mathematics courses with topics inspired by and commonly applied to problems in these associated fields. Though often paired with a second major in a related area, these programs function well alone and are suited to any mathematics student with a variety of interests. Students interested in a named option are recommended to meet with an advisor to navigate the various plans and courses available to them. Advising information can be found on the BA or BS pages (p. 1108).

The named options do not support Honors in the Major.

REQUIREMENTS

REQUIREMENTS

The Mathematics for the Physical and Biological Sciences program requires 10 distinct courses for at least 30 credits as described below. While a single courses may be used to fulfill more than one requirement, it will only contribute once to the total course count. Finally, at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e.: minimum of ten courses and at least 30 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320 or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

Code	Title	Credits
Core Math Requirement (minimum of six distinct MATH courses for at least 18 credits) [1]		
Linear Algebra		*3-5*
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Differential Equations		*0-5*
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
or MATH 415	Applied Dynamical Systems, Chaos and Modeling	
or MATH 519	Ordinary Differential Equations	
Intermediate Mathematics Requirement (complete one)		*0-6*
MATH 341	Linear Algebra	

or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 421	The Theory of Single Variable Calculus	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
Advanced Mathematics Requirement (complete one)		*3*
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 531	Probability Theory	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 551	Elementary Topology	
MATH 561	Differential Geometry	
MATH 619	Analysis of Partial Differential Equations	
MATH 623	Complex Analysis	
MATH Elective to reach six courses and 18 credits		**3-9**
At least one from: [1]		
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 552	Elementary Geometric and Algebraic Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
Remaining courses/credits may be from:		
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH 421	The Theory of Single Variable Calculus	
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization	
MATH/STAT 431	Introduction to the Theory of Probability	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH 443	Applied Linear Algebra	
MATH 444	Graphs and Networks in Data Science	
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics	
Natural/Biological Sciences Requirement (Four courses distinct from the above for at least 12 credits) [1]		**12-16**
PHYSICS 247	A Modern Introduction to Physics	
or PHYSICS 207	General Physics	
or PHYSICS 201	General Physics	
or E M A 201	Statics	
PHYSICS 248	A Modern Introduction to Physics	
or PHYSICS 208	General Physics	
or PHYSICS 202	General Physics	
Two additional courses from the following: [2]		
ASTRON 310	Stellar Astrophysics	
ASTRON 320	The Interstellar Medium	
ATM OCN 310	Dynamics of the Atmosphere and Ocean I	
ATM OCN 311	Dynamics of the Atmosphere and Ocean II	
ATM OCN 330	Physics of the Atmosphere and Ocean I	
ATM OCN 340	Physics of the Atmosphere and Ocean II	
BIOCORE 383	Cellular Biology	
CHEM 561	Physical Chemistry I	
or CHEM 665	Biophysical Chemistry	

CHEM 562	Physical Chemistry II
COMP SCI 300	Programming II
COMP SCI 310	Problem Solving Using Computers
COMP SCI 320	Data Science Programming II
COMP SCI 400	Programming III
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization
COMP SCI/ MATH/STAT 475	Introduction to Combinatorics
COMP SCI/ MATH 513	Numerical Linear Algebra
COMP SCI/ MATH 514	Numerical Analysis
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization
GEOSCI/ G L E 350	Introduction to Geophysics: The Dynamic Earth
GEOSCI/ CIV ENGR/ ENVIR ST/ G L E 444	Practical Applications of GPS Surveying
GEOSCI/ G L E 537	Quantitative Methods for Geoscience
GEOSCI/ G L E 594	Introduction to Applied Geophysics
GEOSCI/ G L E 627	Hydrogeology
PHYSICS 249	A Modern Introduction to Physics
or PHYSICS 241	Introduction to Modern Physics
or PHYSICS 205	Modern Physics for Engineers
PHYSICS 311	Mechanics
PHYSICS 321	Electric Circuits and Electronics
PHYSICS 322	Electromagnetic Fields
PHYSICS 323	Electromagnetic Fields
PHYSICS 325	Optics
PHYSICS/B M E/ H ONCOL/ MED PHYS 501	Radiation Physics and Dosimetry
PHYSICS/E C E/ N E 525	Introduction to Plasmas
PHYSICS 551	Solid State Physics
PHYSICS 623	Electronic Aids to Measurement
PHYSICS 625	Applied Optics
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II
STAT 333	Applied Regression Analysis
STAT 349	Introduction to Time Series
STAT 351	Introductory Nonparametric Statistics
STAT 411	An Introduction to Sample Survey Theory and Methods
STAT 421	Applied Categorical Data Analysis
STAT/M E 424	Statistical Experimental Design
STAT/MATH 431	Introduction to the Theory of Probability
or STAT/ MATH 309	Introduction to Probability and Mathematical Statistics I
or STAT 311	Introduction to Theory and Methods of Mathematical Statistics I
STAT 456	Applied Multivariate Analysis
STAT 461	Financial Statistics
STAT/ COMP SCI 471	Introduction to Computational Statistics
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes
BIOCHEM/B M I/ BMOLCHEM/ MATH 609	Mathematical Methods for Systems Biology
BIOCHEM/ BOTANY 621	Plant Biochemistry
BSE 249	Engineering Principles for Biological Systems
BSE 349	Quantitative Techniques for Biological Systems
BSE 364	Engineering Properties of Food and Biological Materials
BSE 365	Measurements and Instrumentation for Biological Systems
BSE/M E 475	Engineering Principles of Agricultural Machinery
B M E 310	Bioinstrumentation
B M E 315	Biomechanics
B M E 325	Applied Statistics for Biomedical Engineers
B M E 330	Engineering Principles of Molecules, Cells, and Tissues
B M E/H ONCOL/ MED PHYS/ PHYSICS 501	Radiation Physics and Dosimetry
B M E/M E 505	Biofluidics
B M E 520	Stem Cell Bioengineering
B M E/ MED PHYS 535	Introduction to Energy-Tissue Interactions
B M E 556	Systems Biology: Mammalian Signaling Networks
B M E/ MED PHYS 566	Physics of Radiotherapy
B M E/ MED PHYS 567	The Physics of Diagnostic Radiology
B M E/ MED PHYS 573	Mathematical Methods in Medical Physics
B M E/M E 615	Tissue Mechanics
CBE 255	Introduction to Chemical Process Modeling
CBE 310	Chemical Process Thermodynamics

CBE 320	Introductory Transport Phenomena
CBE 326	Momentum and Heat Transfer Operations
CIV ENGR 310	Fluid Mechanics
CIV ENGR 311	Hydroscience
CIV ENGR 322	Environmental Engineering Processes
CIV ENGR 340	Structural Analysis I
CIV ENGR 370	Transportation Engineering
E C E 220	Electrodynamics I
E C E 230	Circuit Analysis
E C E/ PHYSICS 235	Introduction to Solid State Electronics
E C E 320	Electrodynamics II
E C E 330	Signals and Systems
E C E/COMP SCI/ MATH 435	Introduction to Cryptography
E C E/M E 441	Kinematics, Dynamics, and Control of Robotic Manipulators
E M A 202	Dynamics
E M A 303	Mechanics of Materials
E M A 405	Practicum in Finite Elements
E M A/E P 471	Intermediate Problem Solving for Engineers
E M A/E P 547	Engineering Analysis I
E M A/E P 548	Engineering Analysis II
E M A/ ASTRON 550	Astrodynamics
I SY E 320	Simulation and Probabilistic Modeling
I SY E 323	Operations Research-Deterministic Modeling
I SY E 516	Introduction to Decision Analysis
I SY E/COMP SCI/ E C E 524	Introduction to Optimization
I SY E/COMP SCI/ MATH/STAT 525	Linear Optimization
I SY E/ COMP SCI 526	Advanced Linear Programming
M S & E 330	Thermodynamics of Materials
M S & E 331	Transport Phenomena in Materials
M S & E 332	Macroprocessing of Materials
M S & E 434	Introduction to Thin-Film Deposition Processes
M S & E 460	Introduction to Computational Materials Science and Engineering
M E 331	Computer-Aided Engineering
M E 340	Dynamic Systems
M E 361	Thermodynamics
M E/STAT 424	Statistical Experimental Design
M E 446	Introduction to Feedback Control
M E 536	Data Driven Engineering Design
N E 305	Fundamentals of Nuclear Engineering
N E/E C E/ PHYSICS 525	Introduction to Plasmas
N E/I SY E 574	Methods for Probabilistic Risk Analysis of Nuclear Power Plants
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry
MED PHYS/ B M E 535	Introduction to Energy-Tissue Interactions
MED PHYS 563	Radionuclides in Medicine and Biology
MED PHYS/ B M E 567	The Physics of Diagnostic Radiology
MED PHYS/ N E 569	Health Physics and Biological Effects
Total Credits	**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA for all MATH courses and courses eligible for the major.[3]
- 2.000 GPA on at least 15 credits of upper level credit in the major.[4]
- 15 credits in MATH in the major taken on the UW-Madison campus.[5]

FOOTNOTES

1 Courses listed in the tables below may have prerequisites outside of the program requirements.

2 Any MATH course from the elective list above may be used in lieu of any of the following courses.

3 This includes any course with the MATH prefix (or cross-listed with MATH) regardless of appearing in the tables above as well as only those non-MATH courses which appear in the tables above.

4 This includes any MATH courses (or courses cross-listed with MATH) numbered 307 and above, regardless of appearing in the tables above, as well as any non-MATH course listed in the tables above which carries the advanced LAS designation.

5 This includes any course with the MATH prefix (or cross-listed with MATH) numbered 307 and above.

FOUR-YEAR PLAN

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This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate Math course (or sequence)
4. Additional 300/400-level courses as needed
5. Required Advanced Math course
6. Additional 500/600-level course(s)

Freshman

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
Literature Breadth	3	Literature Breadth	3
Communication A	3	Ethnic Studies	3
Foreign Language (if required)	4	Foreign Language (if required)	4
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234[1]	4	MATH 321	3
MATH 320	3	Humanities Breadth	3
Humanities Breadth	3	Social Sciences Breadth	3
Communication B	3	Elective	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH elective	3	MATH 322	3
PHYSICS 247, 207, 201, or E M A 201	5	PHYSICS 248, 208, or 202	5
Social Sciences Breadth	3	Biological Sciences Breadth	3
Biological Sciences Breadth	3	INTER-LS 210	1
		Elective	3
	14		**15**

Senior

Fall	Credits	Spring	Credits
Required Advanced MATH	3	500/600-level MATH elective	3
Natural/Biological requirement elective	3	Natural/Biological requirement elective	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Elective	4	Elective	3
Elective	3	Elective	3
	16		**15**

Total Credits 120

FOOTNOTES

[1] Students should declare their major upon the successful completion of this course

MATHEMATICS, CERTIFICATE

The primary purpose of the Mathematics certificate is to serve those students who wish to enhance their content knowledge in mathematics but are unable to complete the requirements of a second major.

HOW TO GET IN

HOW TO GET IN

Students must meet with a math advisor in order to declare and to discuss course selection. Math advisor information is provided at the math advising page (https://math.wisc.edu/undergraduate/advising/#cert).

Students pursuing the Applied Mathematics, Engineering, and Physics degree program (BS-AMEP) are not eligible to declare the Mathematics certificate.

Students declared in the Mathematics major are not eligible to declare the Mathematics certificate.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of 12 credits. Note that **at most one** course from each of the following groupings may be used to fulfill the minimum credit requirement:

- Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 345, MATH 375),
- Intro Differential Equations (MATH 319, MATH 320, MATH 376), and
- Intro Probability (MATH/STAT 309, MATH 331, MATH/STAT 431).

The above groups are not required for the certificate. If you choose to take a course in a group, only that one from the group will count toward the certificate requirements.

Code	Title	Credits
Requirements [1, 2, 3]		
3 credits MATH 400–699		3
9 credits from MATH 307–699		9
Total Credits		**12**

FOOTNOTES

[1] Excluding MATH/CURRIC 471.

[2] At most one (1) course each from these groups may apply:
- Linear Algebra: MATH 320, MATH 340, MATH 341, MATH 345 ,MATH 375
- Differential Equations: MATH 319, MATH 320, MATH 376
- Probability: MATH/STAT 309, MATH 331 MATH/STAT 431

[3] MATH 390 will only count once toward the certificate requirements.

RESIDENCE & QUALITY OF WORK

- At least 9 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. State, explain, and apply the principal results, definitions, and theorems of a wide collection of mathematical areas.
2. Acquire a diverse set of skills and strategies in mathematical reasoning/problem solving.
3. Use mathematics to model and analyze problems in other disciplines.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students who are interested in the Mathematics certificate should visit with the Mathematics certificate advisor or a Mathematics faculty advisor. Information about current advisor availability is on the Math advising page (https://www.math.wisc.edu/undergraduate/advising/).

For advice on college algebra, pre-calculus, and calculus, see the placement advising pages (https://www.math.wisc.edu/undergraduate/placement/) of the department.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

MEAD WITTER SCHOOL OF MUSIC

The Mead Witter School of Music (https://music.wisc.edu/) is a community of musicians, scholars, and teachers. Since its founding in 1895, the School of Music has lived out a commitment to a student-centered musical education.

As a large department in the College of Letters & Science, we offer flexible programs with innovative and global approaches to music study. Our teaching, research, and performances reflect UW–Madison's progressive history of creating change through innovation and exploration.

ACCREDITATION

We are accredited by the National Association of Schools of Music (NASM) and have been an institutional member of NASM since 1966. NASM is located at 11250 Roger Bacon Dr., Suite 21, Reston, VA 20190, and can be reached by phone at 703-437-0700. nasm.arts-accredit.org (https://nasm.arts-accredit.org/)

FACILITIES

Learn more about our facilities on our website at: music.wisc.edu/facilities (https://music.wisc.edu/facilities/)

CONCERT & EVENTS

We offer concerts and events throughout the year that are open to everyone: music.wisc.edu/events (https://music.wisc.edu/events/)

CHOOSING A MUSIC MAJOR

Mead Witter School of Music offers several degree programs at the undergraduate level. Programs provide a foundation for graduate study and a career in music. We encourage conversations with Mead Witter School of Music professors at any point during your first year as a Music major to learn as much as possible about options that are available.

- The Music major for the **Bachelor of Arts** and **Bachelor of Science** in the College of Letters & Science is an excellent program for students interested in exploring the wide array of course offerings in the college or in two or more majors. Students outside of Letters & Science can earn an additional major in Music with the permission of their home school or college.
- The **Bachelor of Music Performance** is a professional degree in music, with a majority of total coursework within the Mead Witter School of Music. Students in this program are looking for depth in performance study along with a large complement of other musical studies at an advanced level.
- The **Bachelor of Music Education** offers a degree that helps students prepare for the "K-12 Music" teacher certification.

GRADES AND ADVISING

The School of Music is a department of the UW–Madison College of Letters & Science. Information on the grading system and academic

procedures/policies is available in the College of Letters & Science section of this *Guide* under the policies and regulations (http://guide.wisc.edu/undergraduate/letters-science/#policiesandregulationstext) tab.

The undergraduate advisor of the Mead Witter School of Music serves as the advisor for all Music majors. The advisor maintains records and assists students in determining an appropriate course schedule each semester.

MUSIC COURSES AND ENSEMBLES FOR NON–MUSIC MAJORS

The School of Music offers a variety of courses in music theory, history, and literature to all UW–Madison students. Check out Course Search & Enroll (https://enroll.wisc.edu/) each semester to see what is being offered. More information can be found at Mead Witter School of Music - Areas of Study (https://music.wisc.edu/areas-of-study/).

The School of Music also offers numerous bands, chamber ensembles, choirs, jazz ensembles, operas, and orchestras that are open to all UW–Madison students. Some ensembles require an audition and others do not. Learn more about School of Music ensembles at Student Ensembles (https://music.wisc.edu/ensembles/).

The School of Music has very limited availability for nonmajors to take performance study (lessons) for credit and requires an audition before enrolling. Students interested in performance study should reach out to either the listed course instructor or undergraduate advisor for more information.

SPECIAL STUDENTS

Persons who are interested in courses offered by the School of Music but who are not working toward a UW–Madison degree should contact the Division of Continuing Studies (https://continuingstudies.wisc.edu/), 21 North Park Street, Madison, WI 53715; 608-263-6960. Enrollment is limited to certain music courses.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

UNDERGRADUATE DEGREE PROGRAMS

Mead Witter School of Music offers several options for majoring in music. Each requires a performance audition for admission. Continuation to upper-level study in these programs is contingent upon faculty approval and upon specific GPA minimums in several categories. Refer to the Requirements tab in each program description for details.

Bachelor of Music: Performance, with options in Brass, Percussion & Woodwinds, Composition, Guitar, Jazz, Organ, Piano, Strings, or Voice.

Bachelor of Music: Music Education, with options in Choral/General and Instrumental/General.

Bachelor of Arts or **Bachelor of Science,** or Additional Major, with options in performance (including jazz studies), composition, or an individualized music curriculum.

- Music, BA (p. 1148)
- Music, BS (p. 1161)
- Music: Education, BM (p. 1175)
- Music: Performance, BM (p. 1183)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS AND FINANCIAL AID FOR MUSIC STUDENTS

The Mead Witter School of Music is able to offer some scholarships to its applicants based on the quality of the audition performance and the School of Music application. Continuing students are also considered for scholarship based on their progress in the School of Music. Please see the School of Music (https://music.wisc.edu/undergraduate-admissions/) website for more information regarding music scholarships.

Students are also encouraged to fill out the FAFSA and consult the Office of Student Financial Aid (https://financialaid.wisc.edu/) to regarding other available grants and loans.

HIRE A MUSICIAN

The School of Music maintains a blog for posting part-time job opportunities, gigs in the area, and other professional development opportunities at musicgigs.music.wisc.edu (https://musicgigs.music.wisc.edu/).

MUSICIAN HEALTH

For more information on student resources and information on the prevention and treatment of music-related injuries, please check out our musician health page: music.wisc.edu/musician-health (https://music.wisc.edu/musician-health/).

MUSIC, BA

The Mead Witter School of Music offers the Music major for students earning a Bachelor of Arts or Bachelor of Science degree and want to study music in addition to another major. This program has the fewest credit requirements of all the Music programs. Students who have completed this major have gone on to pursue careers in music as well as taking advantage of the skills music taught them to pursue an array of other career paths.

This major offers several options for students including Performance, Composition, or an Individualized Music Curriculum. Students focusing on Jazz Studies can also pursue the Performance option.

FACILITIES

Mead Witter School of Music - Facilities (https://music.wisc.edu/facilities/)

CONCERTS & EVENTS

We offer concerts and events (https://music.wisc.edu/concerts-events/) throughout the year that are open to everyone.

HOW TO GET IN

HOW TO GET IN

ADMISSION PROCEDURES

To be admitted to the Mead Witter School of Music a student needs to apply to and be admitted by both UW-Madison and the Mead Witter School of Music:

- Prospective (new or transfer) and re-entry students should apply to UW-Madison through the Office of Admissions and Recruitment (https://admissions.wisc.edu/).
- All students must also complete an application and pass an audition. See the Mead Witter School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information. Questions about the Music application and audition process should be directed to the Music Undergraduate Audition and Admissions Coordinator (admissions@music.wisc.edu).
- Students declared in the Music major are not eligible to declare Music: Performance or Music: Education.

DECLARING A MUSIC MAJOR

Students admitted to UW-Madison and the Mead Witter School of Music will be declared in their music major or music degree program.

All students must make satisfactory progress, as described below, to continue in their major or degree program. Students not meeting these requirements should meet with the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) to discuss their options for continuing in the Mead Witter School of Music.

MUSIC MAJOR CONTINUATION REQUIREMENTS

Students must meet all of the requirements below to continue in the program. Students not meeting any one of these requirements will be removed from the program and must choose a new major. Contact the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) for consideration of extenuating circumstances or if the student is considering a leave of absence (such as family emergency, personal wellness, study abroad, or approved accommodations)

(1) Enrollment Requirements

- Enroll every fall and spring semester in a course that meets the Performance Study Requirements, until that requirement is completed.
- Enroll in MUSIC 121 and MUSIC 171 to begin the music theory/history sequence in the first possible fall semester after declaration.

(2) Performance Study Jury and Progress Report

At least once a year, students must pass a performance jury with their major instrument. The purpose of this jury will be to evaluate performance study progress and to set goals for the coming year. Students who do not pass will receive guidance about making improvements and a warning letter and will have a semester to work with their professor to make improvements needed to remain in the program.

(3) Progression to 400-Level Performance Study

At the end of the fourth semester of enrollment in Performance Study, students will be evaluated for permission to advance to 400-level performance study. Students who do not meet progression requirements to advance to 400-level performance study may be given an additional semester to meet those requirements.

(4) Meet GPA Requirements in three areas:

- 2.000 overall cumulative GPA
- 2.000 cumulative GPA in all MUSIC and MUSIC PERFORMANCE courses
- 2.000 cumulative GPA in music theory (MUSIC 121 , MUSIC 171, MUSIC 122, MUSIC 172, MUSIC 221, MUSIC 221 and MUSIC 271) and music history (MUSIC 211 and MUSIC 212)

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete at least 44 total credits in the Music major or a Named Option. Students who do not declare a Named Option must complete the requirements below.

NAMED OPTIONS

View as listView as grid

- **MUSIC: COMPOSITION (P. 1157)**
- **MUSIC: PERFORMANCE (P. 1158)**

Student must work with a School of Music faculty member to create a cohesive plan to meet requirements; the plan must be approved by the appropriate faculty area committee(s) and by the Curriculum Committee.

PERFORMANCE STUDY

Complete three semesters in one of the following areas.

Code	Title	Credits
Performance Study		
Bass		
MUS PERF 237	Elementary/Intermediate Double Bass	2
or MUS PERF 437	Advanced Double Bass	
Bassoon		
MUS PERF 215	Elementary/Intermediate Bassoon	2
or MUS PERF 415	Advanced Bassoon	
Cello		
MUS PERF 235	Elementary/Intermediate Cello	2
or MUS PERF 435	Advanced Cello	
Clarinet		
MUS PERF 211	Elementary/Intermediate Clarinet	2
or MUS PERF 411	Advanced Clarinet	
Euphonium		
MUS PERF 223	Elementary/Intermediate Euphonium	2
or MUS PERF 423	Advanced Euphonium	
Flute		
MUS PERF 207	Elementary/Intermediate Flute	2
or MUS PERF 407	Advanced Flute	
Guitar		
MUS PERF 240	Elementary/Intermediate Guitar	2
or MUS PERF 440	Advanced Guitar	
Harp		
MUS PERF 239	Elementary/Intermediate Harp	2
or MUS PERF 439	Advanced Harp	
Horn		
MUS PERF 217	Elementary/Intermediate Horn	2
or MUS PERF 417	Advanced Horn	
Jazz		
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2
or MUS PERF 441	Advanced Jazz Studio Instruction	
Percussion		
MUS PERF 227	Elementary/Intermediate Percussion	2
or MUS PERF 427	Advanced Percussion	
Piano		
MUS PERF 201	Elementary/Intermediate Piano	2
or MUS PERF 401	Advanced Piano	
Oboe		
MUS PERF 209	Elementary/Intermediate Oboe	2
or MUS PERF 409	Advanced Oboe	
Saxophone		
MUS PERF 213	Elementary/Intermediate Saxophone	2
or MUS PERF 413	Advanced Saxophone	
Trombone		
MUS PERF 221	Elementary/Intermediate Trombone	2
or MUS PERF 421	Advanced Trombone	
Trumpet		
MUS PERF 219	Elementary/Intermediate Trumpet	2
or MUS PERF 419	Advanced Trumpet	
Tuba		
MUS PERF 225	Elementary/Intermediate Tuba	2
or MUS PERF 425	Advanced Tuba	
Viola		

MUS PERF 233	Elementary/Intermediate Viola	2
or MUS PERF 433	Advanced Viola	
Violin		
MUS PERF 231	Elementary/Intermediate Violin	2
or MUS PERF 231	Elementary/Intermediate Violin	
Voice		
MUS PERF 205	Elementary/Intermediate Voice	2
or MUS PERF 405	Advanced Voice	

MUSIC THEORY, MUSIC HISTORY, AND PIANO SKILLS

Code	Title	Credits
Music Theory, History, and Piano Skills		
Core Requirements: Complete all the following:		
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	4
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	4
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUS PERF 102	Beginning Class Piano (Students who enroll in MUS PERF 201 or MUS PERF 203 are exempt from this course requirement.) [1]	2
Additional Music Theory		*4-6*
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	
OR		
MUSIC 229 & MUSIC 331	Jazz Theory & Composition and Jazz Improvisation	
Additional Music History. Complete one of the following:		*3*
MUSIC 411	Survey of Music in the Middle Ages	
MUSIC 412	Survey of Music in the Renaissance	
MUSIC 413	Survey of Music in the Baroque Era	
MUSIC 414	Survey of Music in the Classic Era	
MUSIC 415	Survey of Music in the Romantic Era	
MUSIC 416	Survey of Music in the Twentieth Century	
MUSIC 417	Jazz Histories	
MUSIC 419	Music in the United States	
MUSIC 511	Historical Performance Practices	
MUSIC 513	Survey of Opera	
Total Credits		**23-25**

[1] A student may complete a proficiency exam in piano, instead of completing this course.

MUSIC EMPHASIS

Complete electives to meet 44 credits in the Major. A maximum of 16 credits can be taken from courses numbered below 100.

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 102	Jazz in 20th-Century America	3
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC 461	Collegium Musicum	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3

MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC 523	Orchestration I	3
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2
MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 144	Vocal Instruction for Non-Voice Majors	1-2
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4
MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4
MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2-4
MUS PERF 242	Accompanying	2
MUS PERF 247	Second Year Composition	3
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all MUSIC, MUS PERF and other courses counting in the major
- 2.000 GPA on 15 upper-level major credits in the major, taken in Residence (see below)
- 15 credits in MUSIC or MUS PERF, taken on the UW-Madison campus

Music

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 53	Choral Union	1
MUSIC 55	Masters' Singers	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2

MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/CURRIC 301	Music Learning and Teaching 1	2
MUSIC/CURRIC 304	Composition, Arrangement, and Orchestration for the Music Teacher	2
MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity	3
MUSIC/AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC/CURRIC 337	Practicum in Teaching Music	1
MUSIC 340	Pedagogy	1-2
MUSIC/CURRIC 344	Teaching Vocal Styles in the Music Classroom	1
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC/ CURRIC 409	Student Teaching in General and Vocal Music	6-12
MUSIC/CURRIC 410	Student Teaching in General and Instrumental Music	6-12
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC/CURRIC 420	Teaching Popular Instrumental Music 1	1
MUSIC/CURRIC 421	Teaching Popular Instrumental Music 2	1
MUSIC 461	Collegium Musicum	1
MUSIC 463	Acting for Singers	1
MUSIC 465	Marching Band Techniques	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC/ FOLKLORE 515	Proseminar in Ethnomusicology	3
MUSIC 523	Orchestration I	3
MUSIC 540	Advanced Pedagogy	2
MUSIC 541	Seminar in Choral Literature	2
MUSIC 546	String Literature	2
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3
MUSIC 629	Jazz Theory and Analysis	3
MUSIC 681	Senior Honors Thesis	3
MUSIC 682	Senior Honors Thesis	3

Music Performance

Code	Title	Credits
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3
MUS PERF 499	Senior Recital	2

HONORS IN THE MAJOR

To participate in the Honors in the Major program, students must:

- Notify the School of Music undergraduate advisor of their intention to become a candidate for Honors in the Major. This will usually occur in the sophomore year.
- Present a minimum cumulative GPA of 3.300 in all courses taken at UW–Madison and maintain this average throughout the degree.
- Present a minimum 3.500 GPA in all music coursework
- Engage a faculty member and plan 12 credits of honors curriculum coursework; submit this plan to the undergraduate music advisor.
- Prior to beginning work on the Senior Honors Thesis sequence, confirm a faculty advisor for this sequence (who may be the same person as for the 12 credits above) and submit a prospectus outlining in detail the planned work including (a) the topic, (b) plans for research, and (c) a clear substantive written component, although it may also include oral and/or performance components. The faculty advisor must sign the prospectus indicating approval.
- Students may also complete Honors in the Major for the Music: Performance and Music: Composition options by completing the requirements for the option in addition to the requirements for Honors in the Major.

To complete and earn Honors in any Music major, students must satisfy the requirements for the major and these additional requirements:

- Earn a minimum 3.300 University GPA
- Earn a minimum 3.500 GPA in the major
- MUSIC 681–MUSIC 682 for a total of 6 credits
- 12 credits of Honors coursework in music: 6 of the 12 credits must be numbered 300 or above and only 6 credits can be taken in any one of the three music areas of theory, history, and performance.

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 102	Jazz in 20th-Century America	3
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC 461	Collegium Musicum	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC 523	Orchestration I	3
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2
MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 144	Vocal Instruction for Non-Voice Majors	1-2
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4

MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4
MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2-4
MUS PERF 242	Accompanying	2
MUS PERF 247	Second Year Composition	3
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3

[2] A maximum of 16 credits can be taken from courses numbered below 100.

[3] Students who complete MUSIC 122, MUSIC 221, or MUSIC 222 without having taken the earlier courses in the theory sequence, or who achieve advanced placement in theory through department examination, may not be required to complete the prerequisite courses in the theory sequence. However, no retroactive course credit will be granted. All students must complete at least 42 credits in Mead Witter School of Music coursework.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate technical proficiency in the major performance medium.
2. Demonstrate the ability to learn independently and collaboratively.
3. Integrate knowledge across domains of music research and applied studies.
4. Demonstrate artistry, creativity, and discipline in preparation and performance.
5. Employ an advanced vocabulary to discuss music verbally and in writing.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic

advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Student must work with a School of Music faculty member to create a cohesive plan to meet requirements; the plan must be approved by the appropriate faculty area committee(s) and by the Curriculum Committee.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	Elementary/Intermediate Performance Study	2
MUSIC 121 & MUSIC 171	4	MUSIC 122 & MUSIC 172	4
Communication A	3	Music Elective Credit	1
Elective Credits	2	MUS PERF 102	2
World Language (if needed)	4	Ethnic Studies	3
		Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	MUSIC 212	3
MUSIC 221 & MUSIC 271	4	Music Elective Credit	3
MUSIC 211	3	Literature Breadth	3
Biological Science Breadth	3	Physical Science Breadth	3
Quantitative Reasoning Part B (if BA) or Intermediate/Advanced COMPSCI, MATH, or STAT (if BS)	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Additional Music History	3	Music Elective Credits	5
Music Elective Credit	3	Communication Part B	3
Social Science Breadth	3	Literature Breadth	3
Science Breadth	3	Elective (Intermediate/ Advanced level)	4
Intermediate/Advanced COMPSCI, MATH, or STAT (if bs) or Electives, Intermediate/Advanced level (if BA)	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Music Elective Credit	2	Social Science Breadth	3
Social Science Breadth	3	Science Breadth	3
Elective (Intermediate/ Advanced level)	10	Elective (Intermediate/ Advanced level)	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING RESOURCES

All current UW-Madison undergraduate students majoring or interested in majoring in Music are welcome to schedule an advising appointment with the music advisor. Advising appointments can be scheduled using Starfish. (https://oacs.wisc.edu/starfish/starfish-student-resources/)

Questions from current and prospective Music students, or students interested in music classes or ensembles may also be email to the School of Music Undergraduate Advisor at ugradadvisor@music.wisc.edu

The Mead Witter School of Music recommends that Music students meet with their music advisor regularly to discuss their academic plans. School of Music Programs can be highly sequential and include required courses that are offered only one a year or once every other year. Students considering studying abroad are also recommended to meet with their music advisor early to determine the best way of fitting their experience abroad into their graduation plans.

ARE YOU A PROSPECTIVE MUSIC STUDENT?

The Mead Witter School of Music offers the opportunity to audition several times a year. Check out the School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information about audition information. Prospective music majors are welcome to reach out to the Undergraduate Admissions Coordinator with an questions at: admissions@music.wisc.edu

CAREER RESOURCES

A Music major or degree can offer students many opportunities for careers in music industry and music education, as well as provide valuable skills that can be applied to any career path.

Check out "What can I do with my Music Major?" (https://successworks.wisc.edu/what-you-can-do-with-your-major/)

The Mills Music Library (https://researchguides.library.wisc.edu/music_career_resources/) has resources to help musicians with their career search.

There are many campus resources to help students explore, plan for, and start their careers. Students who are undecided about their major plans and career can visit the Career Exploration Center. (https://cec.wisc.edu/) SuccessWorks at the College of Letters & Science (https://successworks.wisc.edu/) offers Music students a wealth of resources to explore career options, build experience, prepare for the job market, and to find a job, internship, or graduate school opportunities. Music majors should be sure to explore the Communications, Media, & the Arts career cluster (https://successworks.wisc.edu/what-are-career-communities/communications-media-and-the-arts/) including signing up for their newsletter.

MUSIC EDUCATION CAREER RESOURCES

Music Education majors are also encouraged to work with the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/) for their licensure process and with the Career Center at the School of Education (https://careercenter.education.wisc.edu/) to assist with their job search.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS AND FINANCIAL AID FOR MUSIC STUDENTS

The Mead Witter School of Music is able to offer some scholarships to its applicants based on the quality of the audition performance and the School of Music application. Continuing students are also considered for scholarship based on their progress in the School of Music. Please see the School of Music (https://music.wisc.edu/undergraduate-admissions/) website for more information regarding music scholarships.

Students are also encouraged to fill out the FAFSA and consult the Office of Student Financial Aid (https://financialaid.wisc.edu/) to regarding other available grants and loans.

HIRE A MUSICIAN

The School of Music maintains a blog for posting part-time job opportunities, gigs in the area, and other professional development opportunities at musicgigs.music.wisc.edu (https://musicgigs.music.wisc.edu/).

MUSICIAN HEALTH

For more information on student resources and information on the prevention and treatment of music-related injuries, please check out our musician health page: music.wisc.edu/musician-health (https://music.wisc.edu/musician-health/).

ACCREDITATION

ACCREDITATION

The University of Wisconsin-Madison is an accredited institutional member of the National Association of Schools of Music (https://nasm.arts-accredit.org/) (NASM) since 1966.

Accreditation status: Accredited. Next accreditation review: 2032-2033; final 2022-2023 report forthcoming.

MUSIC: COMPOSITION

REQUIREMENTS

REQUIREMENTS

44 credits required, as follows:

COMPOSITION STUDY

Code	Title	Credits
7 semesters in composition study, with at least 3 semesters in MUS PERF 449:		**14**
MUS PERF 249	Elementary/Intermediate Composition	2-4
or MUS PERF 449	Advanced Composition	

MUSIC THEORY, HISTORY, AND PIANO SKILLS

Code	Title	Credits
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	4
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	4
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	4
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	4
MUSIC 523	Orchestration I	3
MUS PERF 104	Intermediate Class Piano [1]	2
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3

[1] A student may complete a proficiency exam in piano, instead of completing this course.

COMPOSITION ELECTIVES

Code	Title	Credits
Complete at least 3 credits from the following approved electives:		
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1

MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MUS PERF 249	2	MUS PERF 249	2
MUSIC 121 & MUSIC 171	4	MUSIC 122 & MUSIC 172	4
Communication Part A	3	MUS PERF 104	2
World Language (if needed)	4	Ethnic Studies	3
Elective Credits	2	Quantitative Reasoning Part A	3
		Elective Credits	1
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 249	2	MUS PERF 249	2
MUSIC 221 & MUSIC 271	4	MUSIC 222 & MUSIC 272	4
Biological Science Breadth	3	Literature Breadth	3
Social Science Breadth	3	Physical Science Breadth	3
Quantitative Reasoning Part B (if BA) or Intermediate/Advanced COMPSCI, MATH, or STAT (if BS)	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 449	2	MUS PERF 449	2
MUSIC 211	3	MUSIC 212	3
Social Science Breadth	3	Literature Breadth	3
Science Breadth	3	Communications Part B	3
Elective (Intermediate/ Advanced level)	1	Elective (Intermediate/ Advanced level)	4
Intermediate/Advanced COMPSI, MATH, or STAT (if BS) or Electives, Intermediate/Advanced leve (if BA)	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 449	2	Composition Elective	3
MUSIC 523	3	Science Breadth	3
Social Science Breadth	3	Elective (Intermediate/ Advanced level)	9
Elective (Intermediate/ Advanced level)	7		
	15		**15**

Total Credits 120

MUSIC: PERFORMANCE

REQUIREMENTS

REQUIREMENTS FOR THE PERFORMANCE OPTION

The same requirements for Residence & Quality of Work apply to the Performance Option.

44 credits required, as follows:

PERFORMANCE STUDY

Code	Title	Credits
7 semesters in one instrument group below, with at least 3 semesters in the course numbered 400-499: [1]		**14**
Bass		
MUS PERF 237	Elementary/Intermediate Double Bass	
or MUS PERF 437	Advanced Double Bass	
Bassoon		
MUS PERF 215	Elementary/Intermediate Bassoon	
or MUS PERF 415	Advanced Bassoon	
Cello		
MUS PERF 235	Elementary/Intermediate Cello	
or MUS PERF 435	Advanced Cello	
Clarinet		
MUS PERF 211	Elementary/Intermediate Clarinet	
or MUS PERF 411	Advanced Clarinet	
Euphonium		
MUS PERF 223	Elementary/Intermediate Euphonium	
or MUS PERF 423	Advanced Euphonium	
Flute		
MUS PERF 207	Elementary/Intermediate Flute	
or MUS PERF 407	Advanced Flute	
Guitar		

MUS PERF 240	Elementary/Intermediate Guitar	
or MUS PERF 440	Advanced Guitar	
Harp		
MUS PERF 239	Elementary/Intermediate Harp	
or MUS PERF 439	Advanced Harp	
Horn		
MUS PERF 217	Elementary/Intermediate Horn	
or MUS PERF 417	Advanced Horn	
Jazz		
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	
or MUS PERF 441	Advanced Jazz Studio Instruction	
Percussion		
MUS PERF 227	Elementary/Intermediate Percussion	
or MUS PERF 427	Advanced Percussion	
Piano		
MUS PERF 201	Elementary/Intermediate Piano	
or MUS PERF 401	Advanced Piano	
Oboe		
MUS PERF 209	Elementary/Intermediate Oboe	
or MUS PERF 409	Advanced Oboe	
Saxophone		
MUS PERF 213	Elementary/Intermediate Saxophone	
or MUS PERF 41	Advanced Saxophone	
Trombone		
MUS PERF 221	Elementary/Intermediate Trombone	
or MUS PERF 42	Advanced Trombone	
Trumpet		
MUS PERF 219	Elementary/Intermediate Trumpet	
or MUS PERF 41	Advanced Trumpet	
Tuba		
MUS PERF 225	Elementary/Intermediate Tuba	
or MUS PERF 42	Advanced Tuba	
Viola		
MUS PERF 233	Elementary/Intermediate Viola	
or MUS PERF 43	Advanced Viola	
Violin		
MUS PERF 231	Elementary/Intermediate Violin	
or MUS PERF 43	Advanced Violin	
Voice		
MUS PERF 205	Elementary/Intermediate Voice	
or MUS PERF 40	Advanced Voice	
Total Credits		**14**

[1] Concurrent enrollment in the appropriate performing organization, ensemble, or accompanying is required each semester of enrollment in performance study,

MUSIC THEORY, HISTORY, AND PIANO SKILLS

Code	Title	Credits
Music Theory, History, and Piano Skills		
Core Requirements: Complete all the following:		
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	4
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	4
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUS PERF 102	Beginning Class Piano [2]	2
Additional Music Theory:		*4-6*
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	
OR		
MUSIC 229 & MUSIC 331	Jazz Theory & Composition and Jazz Improvisation	
Additional Music History. Complete one of the following:		*3*
MUSIC 411	Survey of Music in the Middle Ages	
MUSIC 412	Survey of Music in the Renaissance	
MUSIC 413	Survey of Music in the Baroque Era	
MUSIC 414	Survey of Music in the Classic Era	
MUSIC 415	Survey of Music in the Romantic Era	
MUSIC 416	Survey of Music in the Twentieth Century	
MUSIC 417	Jazz Histories	
MUSIC 419	Music in the United States	
MUSIC 511	Historical Performance Practices	
MUSIC 513	Survey of Opera	
Total Credits		**23-25**

[2] A student may complete a proficiency exam in piano, instead of completing this course.

MUSICAL ORGANIZATIONS AND ACCOMPANYING

Code	Title	Credits
Complete 6 courses:		**6**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
MUSIC 58	Madrigal Singers	
MUSIC 62	University Symphony Orchestra	
MUSIC 262	Jazz Ensemble	
MUSIC 270	Ensemble-Guitar	
MUS PERF 251	Keyboard Skills (keyboard majors only)	
MUS PERF 242	Accompanying (keyboard majors only)	
MUS PERF 342	Piano Accompanying Lab (keyboard majors only)	

Code	Title	Credits
Complete 1 course:		
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 461	Collegium Musicum	1
MUS PERF 342	Piano Accompanying Lab	1

ELECTIVES TO MEET 44 CREDITS IN THE MAJOR [3]

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC 461	Collegium Musicum	1
MUSIC 466	Diction for Singers	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC 523	Orchestration I	3
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2
MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4
MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4
MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 242	Accompanying	2
MUS PERF 247	Second Year Composition	3
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2

MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 402	Advanced Harpsichord	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	Elementary/Intermediate Performance Study	2
Musical Organization/ Accompanying	1	Musical Organization/ Accompanying	1
MUSIC 121 & MUSIC 171	4	MUSIC 122 & MUSIC 172	4
Communication Part A	3	MUS PERF 102	2
Elective Credits	1	Ethnic Studies	3
World Language (if needed)	4	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	Elementary/Intermediate Performance Study	2
Musical Organization/ Accompanying	1	Musical Organization/ Accompanying	1
MUSIC 221 & MUSIC 271	4	MUSIC 212 (Music History)	3
MUSIC 211 (Music History)	3	Literature Breadth	3
Elective Credits	2	Biological Science Breadth	3
Quantitative Reasoning Part B (if BA) or Intermediate/Advanced COMPSCI, MATH, or STAT (if BS)	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Advanced Performance Study	2	Advanced Performance Study	2
Musical Organization/ Accompanying	1	Musical Organization/ Accompanying	1
Additional Music History	3	Communication Part B	3
Social Science Breadth	3	Literature Breadth	3
Physical Science Breadth	3	Elective (Intermediate/ Advanced level)	3
Intermediate/Advanced COMPSCI, MATH, or STAT (if BS) or Electives, Intermediate/Advanced level (if BA)	3	Science Breadth	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Performance Study	2	Social Science Breadth	3
Musical Organization/ Accompanying	1	Science Breadth	3
Social Science Breadth	3	Elective (Intermediate/ Advanced level)	9
Elective (Intermediate/ Advanced level)	9		
	15		**15**

Total Credits 120

MUSIC, BS

The Mead Witter School of Music offers the Music major for students earning a Bachelor of Arts or Bachelor of Science degree and want to

study music in addition to another major. This program has the fewest credit requirements of all the Music programs. Students who have completed this major have gone on to pursue careers in music as well as taking advantage of the skills music taught them to pursue an array of other career paths.

This major offers several options for students including Performance, Composition, or an Individualized Music Curriculum. Students focusing on Jazz Studies can also pursue the Performance option.

FACILITIES

Mead Witter School of Music - Facilities (https://music.wisc.edu/facilities/)

CONCERTS & EVENTS

We offer concerts and events (https://music.wisc.edu/concerts-events/) throughout the year that are open to everyone.

HOW TO GET IN

HOW TO GET IN

ADMISSION PROCEDURES

To be admitted to the Mead Witter School of Music a student needs to apply to and be admitted by both UW-Madison and the Mead Witter School of Music:

- Prospective (new or transfer) and re-entry students should apply to UW-Madison through the Office of Admissions and Recruitment (https://admissions.wisc.edu/).
- All students must also complete an application and pass an audition. See the Mead Witter School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information. Questions about the Music application and audition process should be directed to the Music Undergraduate Audition and Admissions Coordinator (admissions@music.wisc.edu).
- Students declared in the Music major are not eligible to declare Music: Performance or Music: Education.

DECLARING A MUSIC MAJOR

Students admitted to UW-Madison and the Mead Witter School of Music will be declared in their music major or music degree program. All students must make satisfactory progress, as described below, to continue in their major or degree program. Students not meeting these requirements should meet with the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) to discuss their options for continuing in the Mead Witter School of Music.

MUSIC MAJOR CONTINUATION REQUIREMENTS

Students must meet all of the requirements below to continue in the program. Students not meeting any one of these requirements will be removed from the program and must choose a new major. Contact the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) for consideration of extenuating circumstances or if the student is considering a leave of absence (such as family emergency, personal wellness, study abroad, or approved accommodations)

(1) Enrollment Requirements

- Enroll every fall and spring semester in a course that meets the Performance Study Requirements, until that requirement is completed.
- Enroll in MUSIC 121 and MUSIC 171 to begin the music theory/history sequence in the first possible fall semester after declaration.

(2) Performance Study Jury and Progress Report

At least once a year, students must pass a performance jury with their major instrument. The purpose of this jury will be to evaluate performance study progress and to set goals for the coming year. Students who do not pass will receive guidance about making improvements and a warning letter and will have a semester to work with their professor to make improvements needed to remain in the program.

(3) Progression to 400-Level Performance Study

At the end of the fourth semester of enrollment in Performance Study, students will be evaluated for permission to advance to 400-level performance study. Students who do not meet progression requirements to advance to 400-level performance study may be given an additional semester to meet those requirements.

(4) Meet GPA Requirements in three areas:

- 2.000 overall cumulative GPA
- 2.000 cumulative GPA in all MUSIC and MUSIC PERFORMANCE courses
- 2.000 cumulative GPA in music theory (MUSIC 121 , MUSIC 171, MUSIC 122, MUSIC 172, MUSIC 221, MUSIC 221 and MUSIC 271) and music history (MUSIC 211 and MUSIC 212)

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete at least 44 total credits in the Music major or a Named Option. Students who do not declare a Named Option must complete the requirements below.

NAMED OPTIONS

View as listView as grid

- **MUSIC: COMPOSITION (P. 1157)**
- **MUSIC: PERFORMANCE (P. 1158)**

Student must work with a School of Music faculty member to create a cohesive plan to meet requirements; the plan must be approved by the appropriate faculty area committee(s) and by the Curriculum Committee.

PERFORMANCE STUDY

Complete three semesters in one of the following areas.

Code	Title	Credits
Performance Study		
Bass		
MUS PERF 237	Elementary/Intermediate Double Bass	2
or MUS PERF 437	Advanced Double Bass	
Bassoon		
MUS PERF 215	Elementary/Intermediate Bassoon	2
or MUS PERF 415	Advanced Bassoon	
Cello		
MUS PERF 235	Elementary/Intermediate Cello	2
or MUS PERF 435	Advanced Cello	
Clarinet		
MUS PERF 211	Elementary/Intermediate Clarinet	2
or MUS PERF 411	Advanced Clarinet	
Euphonium		
MUS PERF 223	Elementary/Intermediate Euphonium	2
or MUS PERF 423	Advanced Euphonium	
Flute		
MUS PERF 207	Elementary/Intermediate Flute	2
or MUS PERF 407	Advanced Flute	
Guitar		
MUS PERF 240	Elementary/Intermediate Guitar	2
or MUS PERF 440	Advanced Guitar	
Harp		
MUS PERF 239	Elementary/Intermediate Harp	2
or MUS PERF 439	Advanced Harp	
Horn		
MUS PERF 217	Elementary/Intermediate Horn	2
or MUS PERF 417	Advanced Horn	
Jazz		
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2
or MUS PERF 441	Advanced Jazz Studio Instruction	
Percussion		
MUS PERF 227	Elementary/Intermediate Percussion	2
or MUS PERF 427	Advanced Percussion	
Piano		
MUS PERF 201	Elementary/Intermediate Piano	2
or MUS PERF 401	Advanced Piano	
Oboe		
MUS PERF 209	Elementary/Intermediate Oboe	2
or MUS PERF 409	Advanced Oboe	

Saxophone		
MUS PERF 213	Elementary/Intermediate Saxophone	2
or MUS PERF 413	Advanced Saxophone	
Trombone		
MUS PERF 221	Elementary/Intermediate Trombone	2
or MUS PERF 421	Advanced Trombone	
Trumpet		
MUS PERF 219	Elementary/Intermediate Trumpet	2
or MUS PERF 419	Advanced Trumpet	
Tuba		
MUS PERF 225	Elementary/Intermediate Tuba	2
or MUS PERF 425	Advanced Tuba	
Viola		
MUS PERF 233	Elementary/Intermediate Viola	2
or MUS PERF 433	Advanced Viola	
Violin		
MUS PERF 231	Elementary/Intermediate Violin	2
or MUS PERF 231	Elementary/Intermediate Violin	
Voice		
MUS PERF 205	Elementary/Intermediate Voice	2
or MUS PERF 405	Advanced Voice	

MUSIC THEORY, MUSIC HISTORY, AND PIANO SKILLS

Code	Title	Credits
Music Theory, History, and Piano Skills		
Core Requirements: Complete all the following:		
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	4
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	4
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUS PERF 102	Beginning Class Piano (Students who enroll in MUS PERF 201 or MUS PERF 203 are exempt from this course requirement.) [1]	2
Additional Music Theory		*4-6*
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	
OR		
MUSIC 229 & MUSIC 331	Jazz Theory & Composition and Jazz Improvisation	
Additional Music History. Complete one of the following:		*3*
MUSIC 411	Survey of Music in the Middle Ages	
MUSIC 412	Survey of Music in the Renaissance	
MUSIC 413	Survey of Music in the Baroque Era	
MUSIC 414	Survey of Music in the Classic Era	
MUSIC 415	Survey of Music in the Romantic Era	
MUSIC 416	Survey of Music in the Twentieth Century	
MUSIC 417	Jazz Histories	
MUSIC 419	Music in the United States	
MUSIC 511	Historical Performance Practices	
MUSIC 513	Survey of Opera	
Total Credits		**23-25**

[1] A student may complete a proficiency exam in piano, instead of completing this course.

MUSIC EMPHASIS

Complete electives to meet 44 credits in the Major. A maximum of 16 credits can be taken from courses numbered below 100.

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 102	Jazz in 20th-Century America	3
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3

MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC 461	Collegium Musicum	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC 523	Orchestration I	3
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2
MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 144	Vocal Instruction for Non-Voice Majors	1-2
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4
MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4
MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2-4
MUS PERF 242	Accompanying	2
MUS PERF 247	Second Year Composition	3
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all MUSIC, MUS PERF and other courses counting in the major
- 2.000 GPA on 15 upper-level major credits in the major, taken in Residence (see below)
- 15 credits in MUSIC or MUS PERF, taken on the UW-Madison campus

Music

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 53	Choral Union	1
MUSIC 55	Masters' Singers	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1

MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/CURRIC 301	Music Learning and Teaching 1	2
MUSIC/CURRIC 304	Composition, Arrangement, and Orchestration for the Music Teacher	2
MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity	3
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC/CURRIC 337	Practicum in Teaching Music	1
MUSIC 340	Pedagogy	1-2
MUSIC/CURRIC 344	Teaching Vocal Styles in the Music Classroom	1
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC/CURRIC 409	Student Teaching in General and Vocal Music	6-12
MUSIC/CURRIC 410	Student Teaching in General and Instrumental Music	6-12
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC/CURRIC 420	Teaching Popular Instrumental Music 1	1
MUSIC/CURRIC 421	Teaching Popular Instrumental Music 2	1
MUSIC 461	Collegium Musicum	1
MUSIC 463	Acting for Singers	1
MUSIC 465	Marching Band Techniques	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC/FOLKLORE 515	Proseminar in Ethnomusicology	3
MUSIC 523	Orchestration I	3
MUSIC 540	Advanced Pedagogy	2
MUSIC 541	Seminar in Choral Literature	2
MUSIC 546	String Literature	2
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3
MUSIC 629	Jazz Theory and Analysis	3
MUSIC 681	Senior Honors Thesis	3
MUSIC 682	Senior Honors Thesis	3

Music Performance

Code	Title	Credits
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4

MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3
MUS PERF 499	Senior Recital	2

HONORS IN THE MAJOR

To participate in the Honors in the Major program, students must:

- Notify the School of Music undergraduate advisor of their intention to become a candidate for Honors in the Major. This will usually occur in the sophomore year.
- Present a minimum cumulative GPA of 3.300 in all courses taken at UW–Madison and maintain this average throughout the degree.
- Present a minimum 3.500 GPA in all music coursework
- Engage a faculty member and plan 12 credits of honors curriculum coursework; submit this plan to the undergraduate music advisor.
- Prior to beginning work on the Senior Honors Thesis sequence, confirm a faculty advisor for this sequence (who may be the same person as for the 12 credits above) and submit a prospectus outlining in detail the planned work including (a) the topic, (b) plans for research, and (c) a clear substantive written component, although it may also include oral and/or performance components. The faculty advisor must sign the prospectus indicating approval.
- Students may also complete Honors in the Major for the Music: Performance and Music: Composition options by completing the requirements for the option in addition to the requirements for Honors in the Major.

To complete and earn Honors in any Music major, students must satisfy the requirements for the major and these additional requirements:

- Earn a minimum 3.300 University GPA
- Earn a minimum 3.500 GPA in the major
- MUSIC 681–MUSIC 682 for a total of 6 credits
- 12 credits of Honors coursework in music: 6 of the 12 credits must be numbered 300 or above and only 6 credits can be taken in any one of the three music areas of theory, history, and performance.

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 102	Jazz in 20th-Century America	3
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC 461	Collegium Musicum	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC 523	Orchestration I	3
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2

MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 144	Vocal Instruction for Non-Voice Majors	1-2
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4
MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4
MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2-4
MUS PERF 242	Accompanying	2
MUS PERF 247	Second Year Composition	3
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3

[2] A maximum of 16 credits can be taken from courses numbered below 100.

[3] Students who complete MUSIC 122, MUSIC 221, or MUSIC 222 without having taken the earlier courses in the theory sequence, or who achieve advanced placement in theory through department examination, may not be required to complete the prerequisite courses in the theory sequence. However, no retroactive course credit will be granted. All students must complete at least 42 credits in Mead Witter School of Music coursework.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate technical proficiency in the major performance medium.
2. Demonstrate the ability to learn independently and collaboratively.
3. Integrate knowledge across domains of music research and applied studies.
4. Demonstrate artistry, creativity, and discipline in preparation and performance.
5. Employ an advanced vocabulary to discuss music verbally and in writing.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Student must work with a School of Music faculty member to create a cohesive plan to meet requirements; the plan must be approved by the appropriate faculty area committee(s) and by the Curriculum Committee.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	Elementary/Intermediate Performance Study	2
MUSIC 121 & MUSIC 171	4	MUSIC 122 & MUSIC 172	4
Communication A	3	Music Elective Credit	1
Elective Credits	2	MUS PERF 102	2
World Language (if needed)	4	Ethnic Studies	3
		Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	MUSIC 212	3
MUSIC 221 & MUSIC 271	4	Music Elective Credit	3
MUSIC 211	3	Literature Breadth	3
Biological Science Breadth	3	Physical Science Breadth	3
Quantitative Reasoning Part B (if BA) or Intermediate/Advanced COMPSCI, MATH, or STAT (if BS)	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Additional Music History	3	Music Elective Credits	5
Music Elective Credit	3	Communication Part B	3
Social Science Breadth	3	Literature Breadth	3
Science Breadth	3	Elective (Intermediate/ Advanced level)	4
Intermediate/Advanced COMPSCI, MATH, or STAT (if bs) or Electives, Intermediate/Advanced level (if BA)	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Music Elective Credit	2	Social Science Breadth	3
Social Science Breadth	3	Science Breadth	3
Elective (Intermediate/ Advanced level)	10	Elective (Intermediate/ Advanced level)	9
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING RESOURCES

All current UW-Madison undergraduate students majoring or interested in majoring in Music are welcome to schedule an advising appointment with the music advisor. Advising appointments can be scheduled using Starfish. (https://oacs.wisc.edu/starfish/starfish-student-resources/)

Questions from current and prospective Music students, or students interested in music classes or ensembles may also be email to the School of Music Undergraduate Advisor at ugradadvisor@music.wisc.edu

The Mead Witter School of Music recommends that Music students meet with their music advisor regularly to discuss their academic plans. School of Music Programs can be highly sequential and include required courses that are offered only one a year or once every other year. Students considering studying abroad are also recommended to meet with their music advisor early to determine the best way of fitting their experience abroad into their graduation plans.

ARE YOU A PROSPECTIVE MUSIC STUDENT?

The Mead Witter School of Music offers the opportunity to audition several times a year. Check out the School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information about audition information. Prospective music majors are welcome to reach out to the Undergraduate Admissions Coordinator with an questions at: admissions@music.wisc.edu

CAREER RESOURCES

A Music major or degree can offer students many opportunities for careers in music industry and music education, as well as provide valuable skills that can be applied to any career path.

Check out “What can I do with my Music Major?” (https://successworks.wisc.edu/what-you-can-do-with-your-major/)

The Mills Music Library (https://researchguides.library.wisc.edu/music_career_resources/) has resources to help musicians with their career search.

There are many campus resources to help students explore, plan for, and start their careers. Students who are undecided about their major plans and career can visit the Career Exploration Center. (https://

cec.wisc.edu/) SuccessWorks at the College of Letters & Science (https://successworks.wisc.edu/) offers Music students a wealth of resources to explore career options, build experience, prepare for the job market, and to find a job, internship, or graduate school opportunities. Music majors should be sure to explore the Communications, Media, & the Arts career cluster (https://successworks.wisc.edu/what-are-career-communities/communications-media-and-the-arts/) including signing up for their newsletter.

MUSIC EDUCATION CAREER RESOURCES

Music Education majors are also encouraged to work with the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/) for their licensure process and with the Career Center at the School of Education (https://careercenter.education.wisc.edu/) to assist with their job search.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS AND FINANCIAL AID FOR MUSIC STUDENTS

The Mead Witter School of Music is able to offer some scholarships to its applicants based on the quality of the audition performance and the School of Music application. Continuing students are also considered for scholarship based on their progress in the School of Music. Please see the School of Music (https://music.wisc.edu/undergraduate-admissions/) website for more information regarding music scholarships.

Students are also encouraged to fill out the FAFSA and consult the Office of Student Financial Aid (https://financialaid.wisc.edu/) to regarding other available grants and loans.

HIRE A MUSICIAN

The School of Music maintains a blog for posting part-time job opportunities, gigs in the area, and other professional development opportunities at musicgigs.music.wisc.edu (https://musicgigs.music.wisc.edu/).

MUSICIAN HEALTH

For more information on student resources and information on the prevention and treatment of music-related injuries, please check out our musician health page: music.wisc.edu/musician-health (https://music.wisc.edu/musician-health/).

ACCREDITATION

ACCREDITATION

The University of Wisconsin-Madison is an accredited institutional member of the National Association of Schools of Music (https://nasm.arts-accredit.org/) (NASM) since 1966.

Accreditation status: Accredited. Next accreditation review: 2032-2033; final 2022-2023 report forthcoming.

MUSIC: COMPOSITION

REQUIREMENTS

REQUIREMENTS

44 credits required, as follows:

COMPOSITION STUDY

Code	Title	Credits
7 semesters in composition study, with at least 3 semesters in MUS PERF 449:		**14**
MUS PERF 249	Elementary/Intermediate Composition	2-4
or MUS PERF 449	Advanced Composition	

MUSIC THEORY, HISTORY, AND PIANO SKILLS

Code	Title	Credits
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	4
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	4
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	4
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	4
MUSIC 523	Orchestration I	3
MUS PERF 104	Intermediate Class Piano [1]	2
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3

[1] A student may complete a proficiency exam in piano, instead of completing this course.

COMPOSITION ELECTIVES

Code	Title	Credits
Complete at least 3 credits from the following approved electives:		
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MUS PERF 249	2	MUS PERF 249	2
MUSIC 121 & MUSIC 171	4	MUSIC 122 & MUSIC 172	4
Communication Part A	3	MUS PERF 104	2
World Language (if needed)	4	Ethnic Studies	3
Elective Credits	2	Quantitative Reasoning Part A	3
		Elective Credits	1
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 249	2	MUS PERF 249	2
MUSIC 221 & MUSIC 271	4	MUSIC 222 & MUSIC 272	4
Biological Science Breadth	3	Literature Breadth	3
Social Science Breadth	3	Physical Science Breadth	3
Quantitative Reasoning Part B (if BA) or Intermediate/Advanced COMPSCI, MATH, or STAT (if BS)	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 449	2	MUS PERF 449	2
MUSIC 211	3	MUSIC 212	3
Social Science Breadth	3	Literature Breadth	3
Science Breadth	3	Communications Part B	3
Elective (Intermediate/Advanced level)	1	Elective (Intermediate/Advanced level)	4
Intermediate/Advanced COMPSI, MATH, or STAT (if BS) or Electives, Intermediate/Advanced leve (if BA)	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 449	2	Composition Elective	3
MUSIC 523	3	Science Breadth	3
Social Science Breadth	3	Elective (Intermediate/Advanced level)	9
Elective (Intermediate/Advanced level)	7		
	15		**15**

Total Credits 120

MUSIC: PERFORMANCE

REQUIREMENTS

REQUIREMENTS FOR THE PERFORMANCE OPTION

The same requirements for Residence & Quality of Work apply to the Performance Option.

44 credits required, as follows:

PERFORMANCE STUDY

Code	Title	Credits
7 semesters in one instrument group below, with at least 3 semesters in the course numbered 400-499: [1]		**14**
Bass		
MUS PERF 237	Elementary/Intermediate Double Bass	
or MUS PERF 437	Advanced Double Bass	
Bassoon		
MUS PERF 215	Elementary/Intermediate Bassoon	
or MUS PERF 415	Advanced Bassoon	

Cello		
MUS PERF 235	Elementary/Intermediate Cello	
or MUS PERF 435	Advanced Cello	
Clarinet		
MUS PERF 211	Elementary/Intermediate Clarinet	
or MUS PERF 411	Advanced Clarinet	
Euphonium		
MUS PERF 223	Elementary/Intermediate Euphonium	
or MUS PERF 423	Advanced Euphonium	
Flute		
MUS PERF 207	Elementary/Intermediate Flute	
or MUS PERF 407	Advanced Flute	
Guitar		
MUS PERF 240	Elementary/Intermediate Guitar	
or MUS PERF 440	Advanced Guitar	
Harp		
MUS PERF 239	Elementary/Intermediate Harp	
or MUS PERF 439	Advanced Harp	
Horn		
MUS PERF 217	Elementary/Intermediate Horn	
or MUS PERF 417	Advanced Horn	
Jazz		
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	
or MUS PERF 441	Advanced Jazz Studio Instruction	
Percussion		
MUS PERF 227	Elementary/Intermediate Percussion	
or MUS PERF 427	Advanced Percussion	
Piano		
MUS PERF 201	Elementary/Intermediate Piano	
or MUS PERF 401	Advanced Piano	
Oboe		
MUS PERF 209	Elementary/Intermediate Oboe	
or MUS PERF 409	Advanced Oboe	
Saxophone		
MUS PERF 213	Elementary/Intermediate Saxophone	
or MUS PERF 41	Advanced Saxophone	
Trombone		
MUS PERF 221	Elementary/Intermediate Trombone	
or MUS PERF 42	Advanced Trombone	
Trumpet		
MUS PERF 219	Elementary/Intermediate Trumpet	
or MUS PERF 41	Advanced Trumpet	
Tuba		
MUS PERF 225	Elementary/Intermediate Tuba	
or MUS PERF 42	Advanced Tuba	
Viola		
MUS PERF 233	Elementary/Intermediate Viola	
or MUS PERF 43	Advanced Viola	
Violin		
MUS PERF 231	Elementary/Intermediate Violin	
or MUS PERF 43	Advanced Violin	
Voice		
MUS PERF 205	Elementary/Intermediate Voice	
or MUS PERF 40	Advanced Voice	
Total Credits		**14**

[1] Concurrent enrollment in the appropriate performing organization, ensemble, or accompanying is required each semester of enrollment in performance study,

MUSIC THEORY, HISTORY, AND PIANO SKILLS

Code	Title	Credits
Music Theory, History, and Piano Skills		
Core Requirements: Complete all the following:		
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	4
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	4
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUS PERF 102	Beginning Class Piano [2]	2
Additional Music Theory:		*4-6*
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	
OR		
MUSIC 229 & MUSIC 331	Jazz Theory & Composition and Jazz Improvisation	
Additional Music History. Complete one of the following:		*3*
MUSIC 411	Survey of Music in the Middle Ages	
MUSIC 412	Survey of Music in the Renaissance	
MUSIC 413	Survey of Music in the Baroque Era	
MUSIC 414	Survey of Music in the Classic Era	
MUSIC 415	Survey of Music in the Romantic Era	
MUSIC 416	Survey of Music in the Twentieth Century	
MUSIC 417	Jazz Histories	
MUSIC 419	Music in the United States	
MUSIC 511	Historical Performance Practices	
MUSIC 513	Survey of Opera	
Total Credits		**23-25**

[2] A student may complete a proficiency exam in piano, instead of completing this course.

MUSICAL ORGANIZATIONS AND ACCOMPANYING

Code	Title	Credits
Complete 6 courses:		**6**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 50	Concert Choir	

MUSIC 52	Treble Choir
MUSIC 56	Chorale
MUSIC 58	Madrigal Singers
MUSIC 62	University Symphony Orchestra
MUSIC 262	Jazz Ensemble
MUSIC 270	Ensemble-Guitar
MUS PERF 251	Keyboard Skills (keyboard majors only)
MUS PERF 242	Accompanying (keyboard majors only)
MUS PERF 342	Piano Accompanying Lab (keyboard majors only)

Code	Title	Credits
Complete 1 course:		
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 461	Collegium Musicum	1
MUS PERF 342	Piano Accompanying Lab	1

ELECTIVES TO MEET 44 CREDITS IN THE MAJOR [3]

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC 461	Collegium Musicum	1
MUSIC 466	Diction for Singers	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC 523	Orchestration I	3
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2
MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4
MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4

MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 242	Accompanying	2
MUS PERF 247	Second Year Composition	3
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 402	Advanced Harpsichord	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	Elementary/Intermediate Performance Study	2
Musical Organization/ Accompanying	1	Musical Organization/ Accompanying	1
MUSIC 121 & MUSIC 171	4	MUSIC 122 & MUSIC 172	4
Communication Part A	3	MUS PERF 102	2
Elective Credits	1	Ethnic Studies	3
World Language (if needed)	4	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Performance Study	2	Elementary/Intermediate Performance Study	2
Musical Organization/ Accompanying	1	Musical Organization/ Accompanying	1
MUSIC 221 & MUSIC 271	4	MUSIC 212 (Music History)	3
MUSIC 211 (Music History)	3	Literature Breadth	3
Elective Credits	2	Biological Science Breadth	3
Quantitative Reasoning Part B (if BA) or Intermediate/Advanced COMPSCI, MATH, or STAT (if BS)	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Advanced Performance Study	2	Advanced Performance Study	2
Musical Organization/ Accompanying	1	Musical Organization/ Accompanying	1
Additional Music History	3	Communication Part B	3
Social Science Breadth	3	Literature Breadth	3
Physical Science Breadth	3	Elective (Intermediate/ Advanced level)	3
Intermediate/Advanced COMPSCI, MATH, or STAT (if BS) or Electives, Intermediate/Advanced level (if BA)	3	Science Breadth	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Performance Study	2	Social Science Breadth	3

Musical Organization/ Accompanying	1 Science Breadth	3
Social Science Breadth	3 Elective (Intermediate/ Advanced level)	9
Elective (Intermediate/ Advanced level)	9	
	15	**15**

Total Credits 120

MUSIC: EDUCATION, BM

The Bachelor of Music: Education (BM) offers students the opportunity to become licensed music teachers in the State of Wisconsin. The degree is also a good comprehensive performance and music teaching degree that can be excellent preparation for teaching outside of the classroom, for graduate school, or for a career teaching at the college level.

This program offers two options: a specialty in Instrumental Music and a specialty in Choral Music. Regardless of chosen specialty, the BM degree requirements prepare students to teach in all areas of Music (K–12) instruction, including General Music. Upon completion of both the Bachelor of Music: Education and additional statutory and certification requirements, students may choose to apply for a Wisconsin teaching license in Music (K-12). Music Education is a program offered jointly by the School of Music and the School of Education. The Bachelor of Music: Education degree is conferred by the College of Letters & Science; teacher certification is earned through the School of Education.

The Bachelor of Music: Education curricula accomplish several important goals:

- Enable broad teaching certification for music instruction in Wisconsin's elementary and secondary schools, grades K through 12. Students may specialize in vocal or instrumental music, but all students successfully completing the program and additional certification requirements will qualify for certification in Music (K-12) in accordance with Wisconsin's PI 34 requirements as outlined by the Department of Public Instruction.
- Explore popular culture in music education. Graduates will be prepared to teach multiple forms of musical literacy, not just the traditional band, orchestra, and choral curriculum.
- Expand the number of musical styles studied in the curriculum. Students also participate in performance ensembles that reflect the diverse array of musical activities in today's schools.
- Offer an introductory music education class to sophomores prior to admission into the program.
- Provide instruction and experiences so that graduates can teach in culturally responsive ways.
- Increase performance collaboration between students in the instrumental and vocal options.
- Create an interdisciplinary program by including a core set of courses for all Bachelor of Music: Education students.
- Enable potential completion of the undergraduate degree in four years, including the final semester of student teaching.

Although these programs are designed with the goal of preparing teachers to work in K–12 schools, the programs also provide a good preparation for individuals seeking careers in continuing education or music education-related fields outside of the traditional K-12 teaching environment.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE BACHELOR OF MUSIC: EDUCATION PROGRAM

To be admitted to the Mead Witter School of Music a student needs to apply to and be admitted by both UW-Madison and the Mead Witter School of Music:

- Prospective (new or transfer) and re-entry students should apply to UW-Madison through the Office of Admissions and Recruitment (https://admissions.wisc.edu/).
- All students must also complete an application and pass an audition. See the Mead Witter School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information. Questions about the Music application and audition process should be directed to the Music Undergraduate Audition and Admissions Coordinator (admissions@music.wisc.edu).

  Note: Students declared in the Bachelor of Music: Education program are not eligible to declare Music: Performance, or the Music major. Students who are interested in pursuing a second major or certificate outside of music should meet with the Undergraduate Music Advisor to discuss their interests and ways of meeting their educational goals.

DECLARE THE MUSIC EDUCATION PROGRAM

Students admitted to UW-Madison and the Mead Witter School of Music will be declared in their music major or music degree program. All students must make satisfactory progress, as described below, to continue in their major or degree program. Students not meeting these requirements should meet with the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) to discuss their options for continuing in the Mead Witter School of Music.

MUSIC EDUCATION CONTINUATION REQUIREMENTS

Students must meet all of the requirements below to continue in the program. Students not meeting any one of these requirements may be removed from the program and must choose a new major. Contact the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) for consideration of extenuating circumstances or if the student is considering a leave of absence (such as family emergency, personal wellness, study abroad, or approved accommodations).

(1) Enrollment Requirements

- Enroll every fall and spring semester in courses that meet the Performance Study Requirements, until those requirements are completed.
- Enroll in MUSIC 121 & MUSIC 171 to begin the music theory/history sequence in the first possible fall semester after declaration.

(2) Performance Study Jury and Progress Report

At least once a year, students must pass a performance jury with their major instrument. The purpose of this jury will be to evaluate performance study progress and to set goals for the coming year. Students who do not pass will receive guidance about making improvements and a warning

letter and will have a semester to work with their professor to make improvements needed to remain in the program.

(3) Progression to 400-Level Performance Study

At the end of the fourth semester of enrollment in Performance Study, students will be evaluated for permission to advance to 400-level performance study. Students who do not meet progression requirements to advance to 400-level performance study may be given an additional semester to meet those requirements.

(4) Meet GPA Requirements in three areas:

As part of the Music Education application process, the School of Music requires students to be meeting the following GPA requirements:

- 2.750 overall cumulative GPA
- 3.000 cumulative GPA in all MUSIC and MUSIC PERFORMANCE courses
- 2.500 cumulative GPA in music theory (MUSIC 121 , MUSIC 171, MUSIC 122, MUSIC 172, MUSIC 221, MUSIC 271, MUSIC 222, and MUSIC 272) and music history (MUSIC 211 and MUSIC 212)

(5) Music Education Teacher Education Program (METEP) Application, Audition, and Background Check

While enrolled in MUSIC/CURRIC 300 , students declared in Music Education will be required to:

- Complete the METEP application
- Pass a music education audition
- Pass a criminal background check
- Meet the GPA Requirements outlined in (4) at the end of the semester of application
- Students must meet all of these requirements before enrolling in a course with field placement requirements (MUSIC/CURRIC 301 , MUSIC/CURRIC 302 , MUSIC/CURRIC 337 , MUSIC/CURRIC 409 and MUSIC/CURRIC 410).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE BREADTH AND DEGREE REQUIREMENTS: BACHELOR OF MUSIC

The Mead Witter School of Music (MWSoM) is a professional school within the College of Letters & Science (L&S). The College confers the Bachelor of Music degree for two distinct programs within the MWSoM: BM-Performance and BM-Education.

Students pursuing a Bachelor of Music degree in the College of Letters & Science must complete all of the requirements below. The BM is a special degree program; it is not considered a major. The BM degree is not available to students who intend to earn a degree outside the College of Letters & Science.

BACHELOR OF MUSIC - DEGREE REQUIREMENTS

Language	Complete the second unit of a language other than English (some Named Options required additional or specific languages).
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Gain admission to and complete one option within the degree program.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

REQUIREMENTS FOR THE PROGRAM

The Bachelor of Music: Education program includes core requirements common to both options within the program, as well as specific requirements unique to each option. Requirements common to both options are detailed below. Refer to the Named Options section below for links to the specific requirements of a particular option within the program.

REQUIREMENTS FOR BOTH MUSIC EDUCATION PROGRAM OPTIONS

All students in the Bachelor of Music: Education program must complete the following requirements:

Code	Title	Credits
Music		
Music Theory/Aural Skills (complete all):		*16*
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
Music History (complete both):		*6*
MUSIC 211	Survey of the History of Western Music	
MUSIC 212	Survey of the History of Western Music	
Cultural Breadth Ensemble (complete 2 courses from the following):		*2*
MUSIC 260	Global Hand Drumming Ensemble: Survey of Selected Global Hand Drumming Traditions	
MUSIC 262	Jazz Ensemble	
MUSIC 266	Resistance Music Ensemble	
Keyboard Skills (complete 4 credits):		*4*
All students must pass MUS PERF 104 keyboard proficiency. Extra credits earned in reaching proficiency will count as music electives.		
MUS PERF 103	Elementary Class Piano	
MUS PERF 104	Intermediate Class Piano	
Jazz (complete 2 credits):		*2*
MUS PERF 108	Jazz Class Piano	
or MUSIC 331	Jazz Improvisation	
Global Music Cultures (complete 3 credits):		*3*
MUSIC 102	Jazz in 20th-Century America	
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	
MUSIC 202	Delta Blues	
MUSIC 203	American Ethnicities and Popular Song	
MUSIC 260	Global Hand Drumming Ensemble: Survey of Selected Global Hand Drumming Traditions	
MUSIC 262	Jazz Ensemble	
MUSIC 266	Resistance Music Ensemble	
MUSIC 268	Ensemble-Percussion	
MUSIC/ AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	
MUSIC 319	Topics in Music and Ethnicity in the United States	
MUSIC 331	Jazz Improvisation	
MUSIC 332	Jazz Improvisation	
MUSIC 405	Seminar: Cultural Study of Music	
Conducting (complete both):		*4*
MUSIC 253	Conducting	
MUSIC 254	Conducting	
Music Education		
Composition, Arrangement, Orchestration for the Music Teacher		*2*
MUSIC/ CURRIC 304	Composition, Arrangement, and Orchestration for the Music Teacher	
Teaching Popular Music (complete both):		*2*
MUSIC/ CURRIC 420	Teaching Popular Instrumental Music 1	
MUSIC/ CURRIC 421	Teaching Popular Instrumental Music 2	
Music Education Professional Sequence (complete all):		*8*
MUSIC/ CURRIC 300	Principles of Music Education	
MUSIC/ CURRIC 301 & MUSIC/ CURRIC 337	Music Learning and Teaching 1 and Practicum in Teaching Music	
MUSIC/ CURRIC 302 & MUSIC/ CURRIC 337	Music Learning and Teaching 2 and Practicum in Teaching Music	
Education		
Human Development (complete one):		*3*
ED PSYCH 320	Human Development in Infancy and Childhood	
or ED PSYCH 321	Human Development in Adolescence	
Learning		*3*
ED PSYCH 301	How People Learn	
Foundations of the Profession (complete one):		*3*
ED POL 300	School and Society	
or ED POL/ HISTORY 412	History of American Education	
Special Education		*3*
RP & SE/ CURRIC 506	Strategies for Inclusive Schooling	
Literacy		*3*
CURRIC 305	Integrating the Teaching of Reading with Other Language Arts	
Total Credits		**64**

ELECTIVES FOR THE DEGREE TO REACH 120 CREDITS

In addition to the requirements for the program, students need to earn additional free elective credit to total 120 credits to graduate.

FURTHER DETAILS ON CERTIFICATION REQUIREMENTS

In addition to completing the requirements for the BM: Music Education program, students must also complete the statutory and certification

requirements established by PI 34's Administrative Code and enacted by the Wisconsin Department of Public Instruction (DPI). **Completing the requirements for the BM: Music Education degree alone is not sufficient to obtain a music education license in the state of Wisconsin.** For more information see Certification/Licensure page.

NAMED OPTIONS

View as listView as grid

- **MUSIC: EDUCATION: CHORAL/GENERAL, BM (P. 1181)**
- **MUSIC: EDUCATION: INSTRUMENTAL/GENERAL, BM (P. 1182)**

CHOOSING A MUSIC EDUCATION OPTION

The music education major consists of two main options, both leading to certification at both the elementary and secondary levels. Students choose to complete the certification option in either *General and Instrumental Music* or *General and Choral Music*. The Bachelor of Music: Education degree requires a minimum of 120 credits. The Undergraduate Advisor, supported by the music education faculty, can advise you on which option is most suited to your goals. Information on how to apply to the Music Education program can be found under the "How to Get In" tab.

RESIDENCE & QUALITY OF WORK

- Minimum 2.000 GPA in all MUSIC, MUS PERF, and program courses
- Minimum 2.000 GPA on at least 15 credits of upper-level work in the program, in residence
- 15 credits in MUSIC and/or MUS PERF, taken on the UW–Madison campus

UPPER-LEVEL COURSES

The following courses are approved for upper-level credit in both options of the Bachelor of Music: Education program:

Music

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 53	Choral Union	1
MUSIC 55	Masters' Singers	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/CURRIC 301	Music Learning and Teaching 1	2
MUSIC/CURRIC 304	Composition, Arrangement, and Orchestration for the Music Teacher	2
MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity	3
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC/CURRIC 337	Practicum in Teaching Music	1
MUSIC 340	Pedagogy	1-2
MUSIC/CURRIC 344	Teaching Vocal Styles in the Music Classroom	1
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC/CURRIC 409	Student Teaching in General and Vocal Music	6-12
MUSIC/CURRIC 410	Student Teaching in General and Instrumental Music	6-12
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC/CURRIC 420	Teaching Popular Instrumental Music 1	1
MUSIC/CURRIC 421	Teaching Popular Instrumental Music 2	1
MUSIC 461	Collegium Musicum	1
MUSIC 463	Acting for Singers	1
MUSIC 465	Marching Band Techniques	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2

MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC/ FOLKLORE 515	Proseminar in Ethnomusicology	3
MUSIC 523	Orchestration I	3
MUSIC 540	Advanced Pedagogy	2
MUSIC 541	Seminar in Choral Literature	2
MUSIC 546	String Literature	2
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3
MUSIC 629	Jazz Theory and Analysis	3
MUSIC 681	Senior Honors Thesis	3
MUSIC 682	Senior Honors Thesis	3

Music Performance

Code	Title	Credits
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 402	Advanced Harpsichord	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3
MUS PERF 499	Senior Recital	2

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate proficiency in foundational concepts of Pre-K-12 music education: planning, delivering, and assessing music learning experiences to a diverse population of learners.
2. Demonstrate the ability to integrate knowledge in music learning and teaching to bring novel, musical perspectives and solutions to challenging social, musical, and technological challenges in Pre-K-12 music settings.
3. Demonstrate the ability to think critically, musically, and creatively as a music educator to synthesize, analyze, and integrate ideas for decision-making and problem-solving in the best interest of a diverse student population.
4. Demonstrate the ability to communicate effectively with multiple and diverse constituencies (students, parents, colleagues, community) to share knowledge, values, and beliefs regarding music learning and teaching.
5. Develop and demonstrate the professionalism required as a music educator in the field of music education: acting ethically, allowing space for diverse views, recognizing and reducing bias in one’s own thinking, and contributing to the profession as a whole.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Each of the options in the Music: Education, BM has its own four-year plan. Click each option to see its four year plan.

- Music: Education: Choral/General, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-education-bm/music-education-choral-general-bm/#fouryearplantext)

- Music: Education: Instrumental/General, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-education-bm/music-education-instrumental-general-bm/#fouryearplantext)

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING RESOURCES

All current UW-Madison undergraduate students majoring or interested in majoring in Music are welcome to schedule an advising appointment with the music advisor. Advising appointments can be scheduled using Starfish. (https://oacs.wisc.edu/starfish/starfish-student-resources/)

Questions from current and prospective Music students, or students interested in music classes or ensembles may also be email to the School of Music Undergraduate Advisor at ugradadvisor@music.wisc.edu

The Mead Witter School of Music recommends that Music students meet with their music advisor regularly to discuss their academic plans. School of Music Programs can be highly sequential and include required courses that are offered only one a year or once every other year. Students considering studying abroad are also recommended to meet with their music advisor early to determine the best way of fitting their experience abroad into their graduation plans.

ARE YOU A PROSPECTIVE MUSIC STUDENT?

The Mead Witter School of Music offers the opportunity to audition several times a year. Check out the School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information about audition information. Prospective music majors are welcome to reach out to the Undergraduate Admissions Coordinator with an questions at: admissions@music.wisc.edu

CAREER RESOURCES

A Music major or degree can offer students many opportunities for careers in music industry and music education, as well as provide valuable skills that can be applied to any career path.

Check out "What can I do with my Music Major?" (https://successworks.wisc.edu/what-you-can-do-with-your-major/)

The Mills Music Library (https://researchguides.library.wisc.edu/music_career_resources/) has resources to help musicians with their career search.

There are many campus resources to help students explore, plan for, and start their careers. Students who are undecided about their major plans and career can visit the Career Exploration Center. (https://cec.wisc.edu/) SuccessWorks at the College of Letters & Science (https://successworks.wisc.edu/) offers Music students a wealth of resources to explore career options, build experience, prepare for the job market, and to find a job, internship, or graduate school opportunities. Music majors should be sure to explore the Communications, Media, & the Arts career cluster (https://successworks.wisc.edu/what-are-career-communities/communications-media-and-the-arts/) including signing up for their newsletter.

MUSIC EDUCATION CAREER RESOURCES

Music Education majors are also encouraged to work with the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/) for their licensure process and with the Career Center at the School of Education (https://careercenter.education.wisc.edu/) to assist with their job search.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ADDITIONAL CERTIFICATION REQUIREMENTS AND APPLYING FOR A LICENSE

In addition to completing UW–Madison's program requirements, students must also complete Wisconsin statutory requirements and certification requirements established by the Wisconsin Department of Public Instruction (DPI). For additional certification requirements and information about applying for a license, see Teacher Education Center (https://tec.education.wisc.edu/).

Some specific expectations for teaching licensure must be met while taking coursework.

- Multicultural Education and Human Relations: 52 hours of field experience are satisfied for music education students who successfully complete the required two semesters of CURRIC/MUSIC 337 Practicum in Teaching Music.
- Conflict Resolution Workshop: this non-credit bearing requirement is taught/fulfilled in CURRIC/MUSIC 300 Principles of Music Education.
- American Indian Studies and Education (Wis. Act 31): There are a variety of ways to earn certification. Consult with the MWSOM undergraduate advisor.
- Teacher Performance Assessment conducted by METEP faculty during student teaching semester.

The Department of Public Instruction (DPI) requires higher GPAs for licensure. Students who meet the GPA requirements for the BM: Music Education and not the GPA requirements for licensure will need to work with the Undergraduate Music Advisor, the Music Education Faculty, and the Teacher Education Center to complete alternative work. Requirements for licensure are as follows:

- 3.000 cumulative GPA in all MUSIC and MUSIC PERFORMANCE coursework
- 2.750 cumulative GPA in all UW-Madison coursework

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:

Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:

Not applicable

For more information about teacher licensure in Wisconsin and other states please see the Teacher Education Center's website (https://tec.education.wisc.edu/current-students/applying-for-your-wisconsin-license/).

Updated: 1 June 2025

ACCREDITATION

ACCREDITATION

The University of Wisconsin-Madison is an accredited institutional member of the National Association of Schools of Music (https://nasm.arts-accredit.org/) (NASM) since 1966.

Accreditation status: Accredited. Next accreditation review: 2032-2033; final 2022-2023 report forthcoming.

MUSIC: EDUCATION: CHORAL/GENERAL, BM

REQUIREMENTS

REQUIREMENTS

Students in the Choral/General option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 8 credits):		*8*
MUS PERF 205	Elementary/Intermediate Voice	
MUS PERF 201	Elementary/Intermediate Piano	
MUS PERF 240	Elementary/Intermediate Guitar	
Advanced (complete 6 credits):		*6*
MUS PERF 405	Advanced Voice	
MUS PERF 401	Advanced Piano	
MUS PERF 440	Advanced Guitar	
Large Choral Ensemble (complete 6 courses):		**6**
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
Diction for Singers		**2**
MUSIC 466	Diction for Singers	
Fundamentals (complete 3 credits):		**3**
MUS PERF 21	Brass Fundamentals	
MUS PERF 22	Strings Fundamentals	
MUS PERF 23	Woodwind Fundamentals	
MUS PERF 27	Fundamentals-Percussion	
Student Teaching		
MUSIC/ CURRIC 409	Student Teaching in General and Vocal Music	12
Total Credits		**37**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	2	Elementary/Intermediate Applied Study Course	2

Large Choral Ensemble	1	Large Choral Ensemble	1
MUS PERF 103	2	MUS PERF 104	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
Ethnic Studies	3	Global Music Cultures	3
Communication A	3	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	2	Elementary/Intermediate Applied Study Course	2
Large Choral Ensemble	1	Large Choral Ensemble	1
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
Quantitative Reasoning B / Natural Science	3	MUS PERF 21, 22, 23, or 27	1
ED POL 300 or 412	3	MUSIC/CURRIC 300	2
		Free Elective	2
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	2	Advanced Applied Study Course	2
Large Choral Ensemble	1	Large Choral Ensemble	1
MUS PERF 108 or MUSIC 331	2	MUSIC 260, 262, or 266	1
MUSIC 253	2	MUSIC 254	2
MUSIC 466	2	MUS PERF 21, 22, 23, or 27	1
MUSIC/CURRIC 420	1	MUSIC/CURRIC 421	1
MUSIC/CURRIC 301	2	MUSIC/CURRIC 302	2
MUSIC/CURRIC 337	1	MUSIC/CURRIC 337	1
ED PSYCH 301	3	Free Elective	2
		CURRIC 305	3
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	2	MUSIC/CURRIC 409	12
MUSIC 260, 262, or 266	1		
MUS PERF 21, 22, 23, or 27	1		
MUSIC/CURRIC 304	2		
ED PSYCH 320 or 321	3		
CURRIC/RP & SE 506	3		
Natural Science Breadth	3		
	15		**12**

Total Credits 120

MUSIC: EDUCATION: INSTRUMENTAL/GENERAL, BM

REQUIREMENTS

REQUIREMENTS

Students in the Instrumental/General option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 8 credits in one of the following courses):		*8*
MUS PERF 201	Elementary/Intermediate Piano	
MUS PERF 207	Elementary/Intermediate Flute	
MUS PERF 209	Elementary/Intermediate Oboe	
MUS PERF 211	Elementary/Intermediate Clarinet	
MUS PERF 213	Elementary/Intermediate Saxophone	
MUS PERF 215	Elementary/Intermediate Bassoon	
MUS PERF 217	Elementary/Intermediate Horn	
MUS PERF 219	Elementary/Intermediate Trumpet	
MUS PERF 221	Elementary/Intermediate Trombone	
MUS PERF 223	Elementary/Intermediate Euphonium	
MUS PERF 225	Elementary/Intermediate Tuba	
MUS PERF 227	Elementary/Intermediate Percussion	
MUS PERF 231	Elementary/Intermediate Violin	
MUS PERF 233	Elementary/Intermediate Viola	
MUS PERF 235	Elementary/Intermediate Cello	
MUS PERF 237	Elementary/Intermediate Double Bass	
MUS PERF 239	Elementary/Intermediate Harp	
MUS PERF 240	Elementary/Intermediate Guitar	
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	
Advanced (complete 6 credits in one of the following courses):		*6*
MUS PERF 401	Advanced Piano	
MUS PERF 407	Advanced Flute	
MUS PERF 409	Advanced Oboe	
MUS PERF 411	Advanced Clarinet	
MUS PERF 413	Advanced Saxophone	
MUS PERF 415	Advanced Bassoon	
MUS PERF 417	Advanced Horn	
MUS PERF 419	Advanced Trumpet	
MUS PERF 421	Advanced Trombone	
MUS PERF 423	Advanced Euphonium	
MUS PERF 425	Advanced Tuba	
MUS PERF 427	Advanced Percussion	
MUS PERF 431	Advanced Violin	

MUS PERF 433	Advanced Viola	
MUS PERF 435	Advanced Cello	
MUS PERF 437	Advanced Double Bass	
MUS PERF 439	Advanced Harp	
MUS PERF 440	Advanced Guitar	
MUS PERF 441	Advanced Jazz Studio Instruction	
Large Instrumental Ensemble (complete 6 courses):		**6**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 62	University Symphony Orchestra	
Large Choral Ensemble (complete 2 courses):		**2**
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
Fundamentals (complete 4 credits):		**4**
MUS PERF 21	Brass Fundamentals	
MUS PERF 22	Strings Fundamentals	
MUS PERF 23	Woodwind Fundamentals	
MUS PERF 27	Fundamentals-Percussion	
or MUS PERF 22	Elementary/Intermediate Percussion	
Voice Fundamentals		**1**
MUS PERF 143	Introduction to Performance: Voice	
Student Teaching		
MUSIC/CURRIC 410	Student Teaching in General and Instrumental Music	12
Total Credits		**39**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	2	Elementary/Intermediate Applied Study Course	2
MUSIC 40, 41, or 62	1	MUSIC 40, 41, or 62	1
MUS PERF 103	2	MUS PERF 104	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
Ethnic Studies	3	Global Music Cultures	3
Communication A	3	MUS PERF 143	1
		Quantitative Reasoning A	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	2	Elementary/Intermediate Applied Study Course	2
MUSIC 40, 41, or 62	1	MUSIC 40, 41, or 62	1
Large Choral Ensemble	1	Large Choral Ensemble	1
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
Quantitative Reasoning B & Natural Science Breadth	3	MUS PERF 23	1
ED POL 300 or 412	3	MUSIC/CURRIC 300	2
		Free Elective	1
	17		**15**

Third Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	2	Advanced Applied Study Course	2
MUSIC 40, 41, or 62	1	MUSIC 40, 41, or 62	1
MUS PERF 108 or MUSIC 331	2	MUSIC 260, 262, or 266	1
MUSIC 253	2	MUSIC 254	2
MUS PERF 21	1	MUS PERF 27 or 227	1
MUSIC/CURRIC 420	1	MUSIC/CURRIC 421	1
MUSIC/CURRIC 301	2	MUSIC/CURRIC 302	2
MUSIC/CURRIC 337	1	MUSIC/CURRIC 337	1
ED PSYCH 301	3	Free Elective	1
		CURRIC 305	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	2	MUSIC/CURRIC 410	12
MUSIC 260, 262, or 266	1		
MUS PERF 22	1		
MUSIC/CURRIC 304	2		
ED PSYCH 320 or 321	3		
CURRIC/RP & SE 506	3		
Natural Science Breadth	3		
	15		**12**

Total Credits 120

MUSIC: PERFORMANCE, BM

The Bachelor of Music: Performance degree offers students the opportunity to focus deeply on music at UW–Madison and pursue a conservatory-style college education. Students have the opportunity to work side-by-side with students in master's and doctoral-level programs. Working collegially in class and studio, making music together on stage and off, and building professional relationships across program boundaries all enable the sharing of expertise, experience, and perspectives and add immeasurably to every student's development. Students in this program have professional interests in solo performance, chamber music

performance, orchestra or wind ensemble performance, studio teaching (private or in a college or university), church music, conducting, music technology or production, opera or musical theater, or many combinations of these. Some students may consider this program as preparation for graduate study in music, arts administration, and other areas.

The Music faculty have designed the curricula to include extensive coursework (90 credits) in performance study, chamber and larger ensembles, music theory, music history, repertoire, and pedagogy. Each option has been specifically created to meet the unique needs of your instrument.

A Bachelor of Music: Performance program can be demanding and requires care in taking courses in the proper sequence. Students are encouraged to meet with their music advisor regularly to stay on track. Please refer to the Requirements (p.) and Four-Year Plan (p.) sections for more details.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE BACHELOR OF MUSIC: PERFORMANCE PROGRAM

To be admitted to the Mead Witter School of Music a student needs to apply to and be admitted by both UW-Madison and the Mead Witter School of Music:

- Prospective (new or transfer) and re-entry students should apply to UW-Madison through the Office of Admissions and Recruitment (https://admissions.wisc.edu/).

All students must also complete an application and pass an audition. See the Mead Witter School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information. Questions about the Music application and audition process should be directed to the Music Undergraduate Audition and Admissions Coordinator (admissions@music.wisc.edu).

Note: Students declared in the Bachelor of Music: Performance are not eligible to declare Music: Education, or the Music major. Students who are interested in pursuing a second major or certificate outside of music should meet with the Undergraduate Music Advisor to discuss their interests and ways of meeting their educational goals.

DECLARING THE BACHELOR OF MUSIC: PERFORMANCE PROGRAM

Students admitted to UW-Madison and the Mead Witter School of Music will be declared in their music major or music degree program. All students must make satisfactory progress, as described below, to continue in their major or degree program. Students not meeting these requirements should meet with the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) to discuss their options for continuing in the Mead Witter School of Music.

BACHELOR OF MUSIC: PERFORMANCE PROGRAM CONTINUATION REQUIREMENTS

Students must meet all of the requirements below to continue in the program. Students not meeting any one of these requirements may be removed from the program and must choose a new major. Contact the Undergraduate Music Advisor (ugradadvisor@music.wisc.edu) for consideration of extenuating circumstances or if the student is considering a leave of absence (such as family emergency, personal wellness, study abroad, or approved accommodations)

(1) Enrollment Requirements

- Enroll every fall and spring semester in a course that meets the Performance Study Requirements, until that requirement is completed.
- Enroll in MUSIC 121 & MUSIC 171 to begin the music theory/history sequence in the first possible fall semester after declaration.

(2) Performance Study Jury and Progress Report

At least once a year, students must pass a performance jury with their major instrument. The purpose of this jury will be to evaluate performance study progress and to set goals for the coming year. Students who do not pass will receive guidance about making improvements and a warning letter and will have a semester to work with their professor to make improvements needed to remain in the program.

(3) Progression to Four Credit Performance Study

At the end of the second semester of enrollment in Performance Study, students will be evaluated for permission to advance to four credit performance study. Students who do not meet progression requirements to advance to four credit performance study may be given an additional semester to meet those requirements.

(4) Progression to 400-Level Performance Study

At the end of the fourth semester of enrollment in Performance Study, students will be evaluated for permission to advance to 400-level performance study. Students who do not meet progression requirements to advance to 400-level performance study may be given an additional semester to meet those requirements.

(5) Meet GPA Requirements in three areas:

As part of the evaluation for progression to 400-level performance study, the School of Music requires students to be meeting the following GPA requirements:

- 2.750 overall cumulative GPA
- 3.000 cumulative GPA in all MUSIC and MUSIC PERFORMANCE courses
- 2.500 cumulative GPA in music theory (MUSIC 121 , MUSIC 171, MUSIC 122, MUSIC 172, MUSIC 221, MUSIC 271, MUSIC 222, and MUSIC 272) and music history (MUSIC 211 and MUSIC 212)

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE BREADTH AND DEGREE REQUIREMENTS: BACHELOR OF MUSIC

The Mead Witter School of Music (MWSoM) is a professional school within the College of Letters & Science (L&S). The College confers the Bachelor of Music degree for two distinct programs within the MWSoM: BM-Performance and BM-Education.

Students pursuing a Bachelor of Music degree in the College of Letters & Science must complete all of the requirements below. The BM is a special degree program; it is not considered a major. The BM degree is not available to students who intend to earn a degree outside the College of Letters & Science.

BACHELOR OF MUSIC - DEGREE REQUIREMENTS

Language	Complete the second unit of a language other than English (some Named Options required additional or specific languages).
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Gain admission to and complete one option within the degree program.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

REQUIREMENTS FOR THE PROGRAM

The Bachelor of Music: Performance curriculum includes core requirements common to all options within the program, as well as specific requirements unique to each option. Requirements common to all options are detailed below. Refer to the Named Options section below for links to the specific requirements of a particular option within the program.

REQUIREMENTS FOR ALL MUSIC PERFORMANCE PROGRAM OPTIONS

All students in the Bachelor of Music: Performance program must complete the following requirements:

Code	Title	Credits
Music History		
Survey (complete both):		*6*
MUSIC 211	Survey of the History of Western Music	
MUSIC 212	Survey of the History of Western Music	
Music History Electives (complete 6 credits):		*6*
MUSIC 405	Seminar: Cultural Study of Music	
MUSIC 411	Survey of Music in the Middle Ages	
MUSIC 412	Survey of Music in the Renaissance	
MUSIC 413	Survey of Music in the Baroque Era	
MUSIC 414	Survey of Music in the Classic Era	
MUSIC 415	Survey of Music in the Romantic Era	
MUSIC 416	Survey of Music in the Twentieth Century	
MUSIC 417	Jazz Histories	
MUSIC 419	Music in the United States	
MUSIC 511	Historical Performance Practices	
MUSIC 513	Survey of Opera	
Core Music Theory (complete all):		**12**
MUSIC 121 & MUSIC 171	Musica Practica 1 and Musica Practica: Aural Skills 1	
MUSIC 122 & MUSIC 172	Musica Practica 2 and Musica Practica: Aural Skills 2	
MUSIC 221 & MUSIC 271	Musica Practica 3 and Musica Practica: Aural Skills 3	
Conducting/Pedagogy		
MUSIC 252	Introduction to Conducting and Pedagogy	2
Global Music Cultures (complete 3 credits):		**3**
MUSIC 102	Jazz in 20th-Century America	
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	
MUSIC 202	Delta Blues	
MUSIC 203	American Ethnicities and Popular Song	
MUSIC 260	Global Hand Drumming Ensemble: Survey of Selected Global Hand Drumming Traditions	
MUSIC 262	Jazz Ensemble	
MUSIC 266	Resistance Music Ensemble	
MUSIC 268	Ensemble-Percussion	
MUSIC/ AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	
MUSIC 319	Topics in Music and Ethnicity in the United States	
MUSIC 331	Jazz Improvisation	
MUSIC 332	Jazz Improvisation	

MUSIC 405	Seminar: Cultural Study of Music	
Total Credits		**29**

ELECTIVES FOR ALL MUSIC PERFORMANCE PROGRAM OPTIONS

The following courses have been approved as electives for all options within the Bachelor of Music: Performance program. The minimum number of Elective credits varies between options, but all options accept the list of courses below toward the minimum credits of Electives required within the option.

Code	Title	Credits
MUSIC and MUS PERF Electives		
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 42	Varsity Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 102	Jazz in 20th-Century America	3
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	3
MUSIC 107	Music & Film	3
MUSIC 201	Music and Society	2
MUSIC 202	Delta Blues	3
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 260	Global Hand Drumming Ensemble: Survey of Selected Global Hand Drumming Traditions	1
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/ CURRIC 300	Principles of Music Education	2
MUSIC/CURRIC 304	Composition, Arrangement, and Orchestration for the Music Teacher	2
MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity	3
MUSIC/AFROAMER/ DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC 340	Pedagogy	1-2
MUSIC/CURRIC 344	Teaching Vocal Styles in the Music Classroom	1
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC/CURRIC 420	Teaching Popular Instrumental Music 1	1
MUSIC/CURRIC 421	Teaching Popular Instrumental Music 2	1
MUSIC 461	Collegium Musicum	1
MUSIC 463	Acting for Singers	1
MUSIC 465	Marching Band Techniques	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC/ FOLKLORE 515	Proseminar in Ethnomusicology	3
MUSIC 523	Orchestration I	3
MUSIC 540	Advanced Pedagogy	2
MUSIC 541	Seminar in Choral Literature	2
MUSIC 546	String Literature	2
MUSIC 573	Contemporary Chamber Ensemble	1
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3
MUSIC 629	Jazz Theory and Analysis	3
MUSIC 681	Senior Honors Thesis	3
MUSIC 682	Senior Honors Thesis	3
MUS PERF 21	Brass Fundamentals	1
MUS PERF 22	Strings Fundamentals	1
MUS PERF 23	Woodwind Fundamentals	1

MUS PERF 27	Fundamentals-Percussion	1
MUS PERF 101	Beginning Class Piano	2
MUS PERF 102	Beginning Class Piano	2
MUS PERF 103	Elementary Class Piano	2
MUS PERF 104	Intermediate Class Piano	2
MUS PERF 108	Jazz Class Piano	2
MUS PERF 143	Introduction to Performance: Voice	1
MUS PERF 144	Vocal Instruction for Non-Voice Majors	1-2
MUS PERF 146	Music Lessons for Non-Majors	1-2
MUS PERF 148	First Year Composition	3
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	2
MUS PERF 201	Elementary/Intermediate Piano	2-4
MUS PERF 205	Elementary/Intermediate Voice	2-4
MUS PERF 207	Elementary/Intermediate Flute	2-4
MUS PERF 209	Elementary/Intermediate Oboe	2-4
MUS PERF 211	Elementary/Intermediate Clarinet	2-4
MUS PERF 213	Elementary/Intermediate Saxophone	2-4
MUS PERF 215	Elementary/Intermediate Bassoon	2-4
MUS PERF 217	Elementary/Intermediate Horn	2-4
MUS PERF 219	Elementary/Intermediate Trumpet	2-4
MUS PERF 221	Elementary/Intermediate Trombone	2-4
MUS PERF 223	Elementary/Intermediate Euphonium	2-4
MUS PERF 225	Elementary/Intermediate Tuba	2-4
MUS PERF 227	Elementary/Intermediate Percussion	2-4
MUS PERF 231	Elementary/Intermediate Violin	2-4
MUS PERF 233	Elementary/Intermediate Viola	2-4
MUS PERF 235	Elementary/Intermediate Cello	2-4
MUS PERF 237	Elementary/Intermediate Double Bass	2-4
MUS PERF 239	Elementary/Intermediate Harp	2-4
MUS PERF 240	Elementary/Intermediate Guitar	2-4
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	2-4
MUS PERF 242	Accompanying	2
MUS PERF 248	Second Year Composition	3
MUS PERF 251	Keyboard Skills	2
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 402	Advanced Harpsichord	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3
MUS PERF 499	Senior Recital	2

NAMED OPTIONS

Students must select one of the following named options:

View as listView as grid

- **MUSIC: PERFORMANCE: BRASS, PERCUSSION, WOODWINDS, BM (P. 1191)**
- **MUSIC: PERFORMANCE: COMPOSITION, BM (P. 1192)**
- **MUSIC: PERFORMANCE: GUITAR, BM (P. 1193)**
- **MUSIC: PERFORMANCE: JAZZ, BM (P. 1194)**
- **MUSIC: PERFORMANCE: ORGAN, BM (P. 1195)**
- **MUSIC: PERFORMANCE: PIANO, BM (P. 1196)**
- **MUSIC: PERFORMANCE: STRINGS, BM (P. 1197)**
- **MUSIC: PERFORMANCE: VOICE, BM (P. 1198)**

DEGREE PROGRESS

Upon admission as a Music major, all students begin applied study at the 200-level on the major instrument or voice. In the second or third year each student's progress is assessed by the faculty of the relevant performance area. If that assessment indicates that the student is ready, the faculty recommends the student for advanced-level (400-level) study. With a recommendation from the faculty at the end of the second year, and provided the student meets all GPA requirements and completes the first- and second-year courses in music theory and music history, the student may formally declare for the Bachelor of Music: Performance degree.

The minimum GPA requirements that must be met before declaring are as follows:

- Minimum 2.500 GPA in Musica Practica and in music history courses
- Minimum 3.000 GPA in all MUSIC courses
- Minimum 2.750 University GPA (all UW-Madison coursework)

RESIDENCE & QUALITY OF WORK

- Minimum 2.000 GPA in all MUSIC, MUS PERF, and program courses
- Minimum 2.000 GPA on at least 15 credits of upper-level work in the program, in residence
- 15 credits in MUSIC and/or MUSIC PERF, taken on the UW–Madison campus

UPPER-LEVEL COURSES

The following courses are approved for upper-level credit in all options of the Bachelor of Music: Performance program:

Music

Code	Title	Credits
MUSIC 40	Wind Ensemble	1
MUSIC 41	Concert Band	1
MUSIC 50	Concert Choir	1
MUSIC 52	Treble Choir	1
MUSIC 53	Choral Union	1
MUSIC 55	Masters' Singers	1
MUSIC 56	Chorale	1
MUSIC 58	Madrigal Singers	1
MUSIC 62	University Symphony Orchestra	1
MUSIC 211	Survey of the History of Western Music	3
MUSIC 212	Survey of the History of Western Music	3
MUSIC 221	Musica Practica 3	3
MUSIC 222	Musica Practica 4	3
MUSIC 229	Jazz Theory & Composition	3
MUSIC 252	Introduction to Conducting and Pedagogy	2
MUSIC 253	Conducting	2
MUSIC 254	Conducting	2
MUSIC 256	University Opera	1-2
MUSIC 257	Opera Workshop	2
MUSIC 262	Jazz Ensemble	1
MUSIC 265	Ensemble-Woodwind	1
MUSIC 266	Resistance Music Ensemble	1
MUSIC 267	Ensemble-Brass	1
MUSIC 268	Ensemble-Percussion	1
MUSIC 269	Ensemble-String	1
MUSIC 270	Ensemble-Guitar	1
MUSIC 271	Musica Practica: Aural Skills 3	1
MUSIC 272	Musica Practica: Aural Skills 4	1
MUSIC/CURRIC 301	Music Learning and Teaching 1	2
MUSIC/CURRIC 304	Composition, Arrangement, and Orchestration for the Music Teacher	2
MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity	3
MUSIC/AFROAMER/DANCE 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
MUSIC 319	Topics in Music and Ethnicity in the United States	3
MUSIC 331	Jazz Improvisation	3
MUSIC 332	Jazz Improvisation	3
MUSIC/CURRIC 337	Practicum in Teaching Music	1
MUSIC 340	Pedagogy	1-2
MUSIC/CURRIC 344	Teaching Vocal Styles in the Music Classroom	1
MUSIC 346	Repertoire	1-2
MUSIC 405	Seminar: Cultural Study of Music	3
MUSIC/CURRIC 409	Student Teaching in General and Vocal Music	6-12
MUSIC/CURRIC 410	Student Teaching in General and Instrumental Music	6-12
MUSIC 411	Survey of Music in the Middle Ages	3
MUSIC 412	Survey of Music in the Renaissance	3
MUSIC 413	Survey of Music in the Baroque Era	3
MUSIC 414	Survey of Music in the Classic Era	3
MUSIC 415	Survey of Music in the Romantic Era	3
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 417	Jazz Histories	3
MUSIC 419	Music in the United States	3
MUSIC/CURRIC 420	Teaching Popular Instrumental Music 1	1
MUSIC/CURRIC 421	Teaching Popular Instrumental Music 2	1
MUSIC 461	Collegium Musicum	1
MUSIC 463	Acting for Singers	1
MUSIC 465	Marching Band Techniques	1
MUSIC 466	Diction for Singers	2
MUSIC 467	Language Diction for Singing I	2
MUSIC 468	Language Diction for Singing II	2
MUSIC 497	Special Topics in Music	1-3
MUSIC 499	Directed Study	1-3
MUSIC 502	Figured Bass and Basso Continuo	3
MUSIC 511	Historical Performance Practices	3
MUSIC 513	Survey of Opera	3
MUSIC/FOLKLORE 515	Proseminar in Ethnomusicology	3
MUSIC 523	Orchestration I	3
MUSIC 540	Advanced Pedagogy	2
MUSIC 541	Seminar in Choral Literature	2
MUSIC 546	String Literature	2
MUSIC 621	Renaissance Polyphony	3
MUSIC 622	Baroque Counterpoint	3
MUSIC 623	Form and Analysis	2-3
MUSIC 624	Form and Analysis II	2-3

MUSIC 629	Jazz Theory and Analysis	3
MUSIC 681	Senior Honors Thesis	3
MUSIC 682	Senior Honors Thesis	3

Music Performance

Code	Title	Credits
MUS PERF 311	Advanced Techniques: Clarinet	1-2
MUS PERF 333	Advanced Techniques: Viola	1-2
MUS PERF 339	Advanced Techniques: Harp	1-2
MUS PERF 342	Piano Accompanying Lab	1
MUS PERF 347	Third Year Composition	3
MUS PERF 348	Third Year Composition	3
MUS PERF 401	Advanced Piano	2-4
MUS PERF 402	Advanced Harpsichord	2-4
MUS PERF 405	Advanced Voice	2-4
MUS PERF 407	Advanced Flute	2-4
MUS PERF 409	Advanced Oboe	2-4
MUS PERF 411	Advanced Clarinet	2-4
MUS PERF 413	Advanced Saxophone	2-4
MUS PERF 415	Advanced Bassoon	2-4
MUS PERF 417	Advanced Horn	2-4
MUS PERF 419	Advanced Trumpet	2-4
MUS PERF 421	Advanced Trombone	2-4
MUS PERF 423	Advanced Euphonium	2-4
MUS PERF 425	Advanced Tuba	2-4
MUS PERF 427	Advanced Percussion	2-4
MUS PERF 431	Advanced Violin	2-4
MUS PERF 433	Advanced Viola	2-4
MUS PERF 435	Advanced Cello	2-4
MUS PERF 437	Advanced Double Bass	2-4
MUS PERF 439	Advanced Harp	2-4
MUS PERF 440	Advanced Guitar	2-4
MUS PERF 441	Advanced Jazz Studio Instruction	2-4
MUS PERF 447	Fourth Year Composition	3
MUS PERF 448	Fourth Year Composition	3
MUS PERF 457	Jazz Composition and Arranging	3
MUS PERF 458	Jazz Composition and Arranging	3
MUS PERF 499	Senior Recital	2

HONORS IN THE MAJOR

To earn Honors in any music major, students must satisfy the requirements below as well as all other requirements for their music degree and major:

- 6 credits of MUSIC 681 Senior Honors Thesis–MUSIC 682 Senior Honors Thesis
- 12 credits of honors coursework in music: 6 of the 12 credits must be in courses numbered 300 or above and only 6 credits can be taken in any one of the three music areas of theory, history, and performance.

To participate in the Honors in the Major program, students must:

- Notify the School of Music undergraduate advisor of their intention to become a candidate for Honors in the Major. This will usually occur in the sophomore year.
- Present a minimum cumulative GPA of 3.300 in all courses taken at UW–Madison and maintain this average throughout the degree.
- Present a minimum 3.500 GPA in all music coursework and maintain a minimum 3.500 GPA in all music honors coursework.
- Engage a faculty member who will collaborate in planning the 12 credits of honors curriculum coursework; submit this plan to the undergraduate advisor. The course plan may change as students progress through their work.
- Prior to beginning work on the MUSIC 681–MUSIC 682 Senior Honors Thesis sequence, confirm a faculty advisor for this sequence (who may be the same person as for the 12 credits above) and submit a prospectus outlining in detail the planned work including (a) the topic, (b) plans for research, and (c) a clear substantive written component, although it may also include oral and/or performance components. The faculty advisor must sign the prospectus indicating approval.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop advanced levels of proficiency in solo, chamber and ensemble performance sufficient to enter music professions or graduate programs.
2. Understand, synthesize and apply foundational concepts of musical study in theory, history and pedagogy.
3. Demonstrate the ability to learn independently and to integrate knowledge across domains of research and applied studies.
4. Communicate verbally, in writing and through public performance, musical ideas and concepts.
5. Demonstrate ability to work collaboratively and professionally in multiple settings.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Each of the options in the Music: Performance, BM has its own four-year plan. Click each option to see its four-year plan.

- Music: Performance: Brass, Percussion, Woodwinds, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-brass-percussion-woodwinds-bm/#fouryearplantext)
- Music: Performance: Composition, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-composition-bm/#fouryearplantext)
- Music: Performance: Guitar, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-guitar-bm/#fouryearplantext)
- Music: Performance: Jazz, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-jazz-bm/)
- Music: Performance: Organ, BM (p. 1195) (suspended)
- Music: Performance: Piano, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-piano-bm/#fouryearplantext)
- Music: Performance: Strings, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-strings-bm/#fouryearplantext)
- Music: Performance: Voice, BM (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/music-performance-voice-bm/#fouryearplantext)

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING RESOURCES

All current UW-Madison undergraduate students majoring or interested in majoring in Music are welcome to schedule an advising appointment with the music advisor. Advising appointments can be scheduled using Starfish. (https://oacs.wisc.edu/starfish/starfish-student-resources/)

Questions from current and prospective Music students, or students interested in music classes or ensembles may also be email to the School of Music Undergraduate Advisor at ugradadvisor@music.wisc.edu

The Mead Witter School of Music recommends that Music students meet with their music advisor regularly to discuss their academic plans. School of Music Programs can be highly sequential and include required courses that are offered only one a year or once every other year. Students considering studying abroad are also recommended to meet with their music advisor early to determine the best way of fitting their experience abroad into their graduation plans.

ARE YOU A PROSPECTIVE MUSIC STUDENT?

The Mead Witter School of Music offers the opportunity to audition several times a year. Check out the School of Music website (https://music.wisc.edu/undergraduate-admissions/) for more information about audition information. Prospective music majors are welcome to reach out to the Undergraduate Admissions Coordinator with an questions at: admissions@music.wisc.edu

CAREER RESOURCES

A Music major or degree can offer students many opportunities for careers in music industry and music education, as well as provide valuable skills that can be applied to any career path.

Check out "What can I do with my Music Major?" (https://successworks.wisc.edu/what-you-can-do-with-your-major/)

The Mills Music Library (https://researchguides.library.wisc.edu/music_career_resources/) has resources to help musicians with their career search.

There are many campus resources to help students explore, plan for, and start their careers. Students who are undecided about their major plans and career can visit the Career Exploration Center. (https://cec.wisc.edu/) SuccessWorks at the College of Letters & Science (https://successworks.wisc.edu/) offers Music students a wealth of resources to explore career options, build experience, prepare for the job market, and to find a job, internship, or graduate school opportunities. Music majors should be sure to explore the Communications, Media, & the Arts career cluster (https://successworks.wisc.edu/what-are-career-communities/communications-media-and-the-arts/) including signing up for their newsletter.

MUSIC EDUCATION CAREER RESOURCES

Music Education majors are also encouraged to work with the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/) for their licensure process and with the Career Center at the School of Education (https://careercenter.education.wisc.edu/) to assist with their job search.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

ACCREDITATION

ACCREDITATION

The University of Wisconsin-Madison is an accredited institutional member of the National Association of Schools of Music (https://guide.wisc.edu/undergraduate/letters-science/music/music-performance-bm/The University of Wisconsin-Madison is an accredited institutional member of the National Association of Schools of Music (NASM) since 1966.html) (NASM) since 1966.

Accreditation status: Accredited. Next accreditation review: 2032-2033; final 2022-2023 report forthcoming.

MUSIC: PERFORMANCE: BRASS, PERCUSSION, WOODWINDS, BM

REQUIREMENTS

REQUIREMENTS

Students in the Brass, Percussion, & Woodwinds option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits in one of the following courses):		*12*
MUS PERF 207	Elementary/Intermediate Flute	
MUS PERF 209	Elementary/Intermediate Oboe	
MUS PERF 211	Elementary/Intermediate Clarinet	
MUS PERF 213	Elementary/Intermediate Saxophone	
MUS PERF 215	Elementary/Intermediate Bassoon	
MUS PERF 217	Elementary/Intermediate Horn	
MUS PERF 219	Elementary/Intermediate Trumpet	
MUS PERF 221	Elementary/Intermediate Trombone	
MUS PERF 223	Elementary/Intermediate Euphonium	
MUS PERF 225	Elementary/Intermediate Tuba	
MUS PERF 227	Elementary/Intermediate Percussion	
Advanced (complete 14 credits in one of the following courses):		*14*
MUS PERF 407	Advanced Flute	
MUS PERF 409	Advanced Oboe	
MUS PERF 411	Advanced Clarinet	
MUS PERF 413	Advanced Saxophone	
MUS PERF 415	Advanced Bassoon	
MUS PERF 417	Advanced Horn	
MUS PERF 419	Advanced Trumpet	
MUS PERF 421	Advanced Trombone	
MUS PERF 423	Advanced Euphonium	
MUS PERF 425	Advanced Tuba	
MUS PERF 427	Advanced Percussion	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**4**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
Keyboard Skills (complete 4 credits):		**4**
All students must pass MUS PERF 104 keyboard proficiency. Extra credits earned in reaching proficiency will count as music electives.		
MUS PERF 103	Elementary Class Piano	
MUS PERF 104	Intermediate Class Piano	
Large Performance Ensemble (complete 8 courses):		**8**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 62	University Symphony Orchestra	
Ensemble (complete 4 courses from the following list):		**4**
MUSIC 265	Ensemble-Woodwind	
MUSIC 267	Ensemble-Brass	
MUSIC 268	Ensemble-Percussion	
MUSIC 269	Ensemble-String	
MUSIC 461	Collegium Musicum	
Electives		**13**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**61**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	2	Elementary/Intermediate Applied Study Course	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
MUS PERF 103	2	MUS PERF 104	2
MUSIC 40, 41, or 62	1	MUSIC 40, 41, or 62	1
Foreign Language	4	Foreign Language	4

Communication A	3	Quantitative Reasoning A	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	4	Elementary/Intermediate Applied Study Course	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
MUSIC 40, 41, or 62	1	MUSIC 40, 41, or 62	1
Quantitative Reasoning B	3	Ethnic Studies	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	4	Advanced Applied Study Course	4
Music History Elective	3	Music History Elective	3
MUSIC 40, 41, or 62	1	MUSIC 40, 41, or 62	1
MUSIC 265, 267, 268, or 269	1	MUSIC 265, 267, 268, or 269	1
Music Electives	3	MUSIC 252	2
Social Science Breadth	3	Music Electives	4
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	4	Advanced Applied Study Course	2
MUSIC 40, 41, or 62	1	MUS PERF 499	2
MUSIC 265, 267, 268, or 269	1	MUSIC 40, 41, or 62	1
Music Electives	3	MUSIC 265, 267, 268, or 269	1
Natural Science Breadth with Lab	4	Global Music Cultures	3
Communication B	3	Music Electives	3
	16		**12**

Total Credits 120

MUSIC: PERFORMANCE: COMPOSITION, BM

REQUIREMENTS

REQUIREMENTS

Students in the Composition option must complete the following:

Code	Title	Credits
Applied Study (complete all):		
Elementary/Intermediate (complete 12 credits):		*12*
MUS PERF 249	Elementary/Intermediate Composition	
Advanced (complete 14 credits):		*14*
MUS PERF 449	Advanced Composition	
Senior Capstone		*2*
MUS PERF 498	Composition Capstone Project	
Advanced Music Theory		**10**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
MUSIC 621	Renaissance Polyphony	
MUSIC 622	Baroque Counterpoint	
Keyboard Skills		**2**
One semester of the listed course is required. Extra credits earned in reaching proficiency will count as music electives.		
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	
Large Performance Ensemble (complete 4 courses from the following list):		**4**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
MUSIC 58	Madrigal Singers	
MUSIC 62	University Symphony Orchestra	
Orchestration		**3**
MUSIC 523	Orchestration I	
Composition Electives (complete 7 credits from the following:):		**7**
MUSIC 253	Conducting	
MUSIC 254	Conducting	
MUSIC 573	Contemporary Chamber Ensemble	
MUSIC 331	Jazz Improvisation	
MUSIC 332	Jazz Improvisation	
MUSIC 405	Seminar: Cultural Study of Music	
MUSIC 623	Form and Analysis	
MUSIC 624	Form and Analysis II	
MUS PERF 457	Jazz Composition and Arranging	
MUS PERF 458	Jazz Composition and Arranging	
Electives		**7**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**61**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage

in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MUS PERF 249	2	MUS PERF 249	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
Music Electives	2	Music Electives	2
World Language	4	World Language	4
Communication A	3	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 249	4	MUS PERF 249	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
Large Performance Ensemble	1	Large Performance Ensemble	1
Ethnic Studies	3	Social Science Breadth	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 449	4	MUS PERF 449	4
MUSIC 621	3	MUSIC 622	3
Music History Elective	3	Music History Elective	3
		Large Performance Ensemble	1
Large Performance Ensemble	1	MUSIC 252	2
MUS PERF 200	2	Composition Electives	2
Composition Elective	2		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 449	4	MUS PERF 449	2
MUSIC 523	3	MUS PERF 498	2
Global Music Cultures	3	Natural Science / Quantitative Reasoning B	4
Natural Science Breadth	3	Communication B	3
Composition Electives	2	Music Electives	3
		Composition Electives	1
	15		**15**

Total Credits 120

MUSIC: PERFORMANCE: GUITAR, BM

REQUIREMENTS

REQUIREMENTS

Students in the Guitar option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits):		*12*
MUS PERF 240	Elementary/Intermediate Guitar	
Advanced (complete 14 credits):		*14*
MUS PERF 440	Advanced Guitar	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**4**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
Keyboard Skills		**4**
All students must pass MUS PERF 104 keyboard proficiency. Extra credits earned in reaching proficiency will count as music electives.		
MUS PERF 103	Elementary Class Piano	
MUS PERF 104	Intermediate Class Piano	
Large Performance Ensemble (complete 4 courses from the list below):		**4**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
MUSIC 58	Madrigal Singers	
MUSIC 62	University Symphony Orchestra	
Ensemble (complete 8 courses):		**8**
MUSIC 270	Ensemble-Guitar	
Pedagogy (complete 2 credits):		**2**
MUSIC 340	Pedagogy	
Repertoire (complete 2 credits):		**2**
MUSIC 346	Repertoire	
Foreign Language		**8**
Complete two units of Spanish		
Electives		**9**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**69**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

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First Year

Fall	Credits	Spring	Credits
MUS PERF 240	2	MUS PERF 240	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
MUS PERF 103	2	MUS PERF 104	2
MUSIC 270	1	MUSIC 270	1
Spanish Language Course	4	Quantitative Reasoning A	3
Communication A	3	Spanish Language Course	4
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 240	4	MUS PERF 240	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
MUSIC 270	1	MUSIC 270	1
Ethnic Studies	3	Large Performance Ensemble	1
	15		**13**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 440	4	MUS PERF 440	4
Music History Elective	3	Music History Elective	3
MUSIC 270	1	MUSIC 270	1
Large Performance Ensemble	1	MUSIC 252	2
MUSIC 340	2	Music Electives	3
Natural Science Breadth with Lab	4	Quantitative Reasoning B	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 440	4	MUS PERF 440	2
MUSIC 270	1	MUS PERF 499	2
MUSIC 346	2	MUSIC 270	1
Large Performance Ensemble	1	Large Performance Ensemble	1
Music Electives	3	Global Music Cultures	3
Communication B	3	Music Electives	3
		Social Science Breadth	3
	14		**15**

Total Credits 120

MUSIC: PERFORMANCE: JAZZ, BM

REQUIREMENTS

REQUIREMENTS

Students in the Jazz option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits):		*12*
MUS PERF 241	Elementary/Intermediate Jazz Studio Instruction	
Advanced (complete 14 credits):		*14*
MUS PERF 441	Advanced Jazz Studio Instruction	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**6**
MUSIC 229	Jazz Theory & Composition	
MUS PERF 458	Jazz Composition and Arranging	
Keyboard Skills (MUS PERF 108 required; additional credits earned in reaching proficiency will count as music electives) :		**2**
MUS PERF 108	Jazz Class Piano	
Large Performance Ensemble (complete 2 courses from the below list):		**2**
MUSIC 40	Wind Ensemble	
MUSIC 41	Concert Band	
MUSIC 62	University Symphony Orchestra	
Ensemble (complete 8 courses):		**8**
MUSIC 262	Jazz Ensemble	
Improvisation (complete 6 credits):		**6**
MUSIC 331	Jazz Improvisation	
MUSIC 332	Jazz Improvisation	
Electives		**9**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**61**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MUS PERF 241	2	MUS PERF 241	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
MUSIC 262 or 266	1	MUSIC 262 or 266	1
Foreign Language	4	Foreign Language	4
Communication A	3	Quantitative Reasoning A	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 241	4	MUS PERF 241	4
MUSIC 221	3	MUSIC 229	3
MUSIC 271	1	MUSIC 212	3
MUSIC 211	3	MUSIC 262 or 266	1
MUSIC 262 or 266	1	MUS PERF 103	2
Ethnic Studies	3	Quantitative Reasoning B	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 441	4	MUS PERF 441	4
MUS PERF 458	3	Music History Elective	3
Music History Elective	3	MUSIC 262 or 266	1
MUS PERF 108	2	MUSIC 252	2
MUSIC 262 or 266	1	Global Music Cultures	3
Natural Science Breadth with Lab	4	Social Science Breadth	3
	17		**16**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 441	4	MUS PERF 441	2
MUSIC 262 or 266	1	MUS PERF 499	2
MUSIC 331	3	MUSIC 262 or 266	1
Large Performance Ensemble	1	MUSIC 332	3
Music Electives	4	Large Performance Ensemble	1
Communication B	3	Music Electives	3
	16		**12**

Total Credits 120

MUSIC: PERFORMANCE: ORGAN, BM

Admissions to the Music: Performance: Organ, BM have been suspended as of summer 2025. If you have any questions, please contact the department.

REQUIREMENTS

REQUIREMENTS

Students in the Organ option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits):		*12*
MUS PERF 203	Elementary/Intermediate Organ	
Advanced (complete 14 credits):		*14*
MUS PERF 403	Advanced Organ	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**7**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
MUSIC 621 or MUSIC 622	Renaissance Polyphony Baroque Counterpoint	
Keyboard Skills (complete both courses):		**4**
MUS PERF 251	Keyboard Skills	
MUS PERF 242	Accompanying	
Large Performance Ensemble (complete 6 courses):		**6**
MUS PERF 342	Piano Accompanying Lab	
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
MUSIC 58	Madrigal Singers	
Electives		**16**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**61**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many

students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MUS PERF 203	2	MUS PERF 203	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
MUS PERF 251	2	MUS PERF 242	2
Foreign Language	4	Foreign Language	4
Communication A	3	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 203	4	MUS PERF 203	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
Large Performance Ensemble	1	Large Performance Ensemble	1
Ethnic Studies	3	Quantitative Reasoning B	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 403	4	MUS PERF 403	4
Music History Elective	3	Music History Elective	3
Large Performance Ensemble	1	Large Performance Ensemble	1
MUSIC 622	3	MUSIC 252	2
Natural Science Breadth with Lab	4	Global Music Cultures	3
		Social Science Breadth	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 403	4	MUS PERF 403	2
Large Performance Ensemble	1	MUS PERF 499	2
Music Electives	6	Large Performance Ensemble	1
Communication B	3	Music Electives	10
	14		**15**

Total Credits 120

MUSIC: PERFORMANCE: PIANO, BM

REQUIREMENTS

REQUIREMENTS

Students in the Piano option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits):		*12*
MUS PERF 201	Elementary/Intermediate Piano	
Advanced (complete 14 credits):		*14*
MUS PERF 401	Advanced Piano	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**4**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
Keyboard Skills (complete both):		**4**
MUS PERF 251	Keyboard Skills	
MUS PERF 242	Accompanying	
Large Performance Ensemble (complete 6 courses):		**6**
MUS PERF 342	Piano Accompanying Lab	
Pedagogy		**2**
MUSIC 340	Pedagogy	
Repertoire (complete 4 credits):		**4**
MUSIC 346	Repertoire	
Electives		**13**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**61**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
MUS PERF 201	2	MUS PERF 201	2
MUS PERF 251	2	MUS PERF 242	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
Foreign Language	4	Foreign Language	4
Communication A	3	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 201	4	MUS PERF 201	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
MUS PERF 342	1	MUS PERF 342	1
Ethnic Studies	3	Quantitative Reasoning B	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 401	4	MUS PERF 401	4
Music History Elective	3	Music History Elective	3
MUS PERF 342	1	MUS PERF 342	1
MUSIC 340	2	MUSIC 252	2
Natural Science Breadth with Lab	4	Global Music Cultures	3
		Social Science Breadth	3
	14		**16**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 401	4	MUS PERF 401	2
MUS PERF 342	1	MUS PERF 499	2
MUSIC 346	2	MUS PERF 342	1
Music Electives	5	MUSIC 346	2
Communication B	3	Music Electives	8
	15		**15**

Total Credits 120

MUSIC: PERFORMANCE: STRINGS, BM

REQUIREMENTS

REQUIREMENTS

Students in the Strings option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits from one of the following courses):		*12*
MUS PERF 231	Elementary/Intermediate Violin	
MUS PERF 233	Elementary/Intermediate Viola	
MUS PERF 235	Elementary/Intermediate Cello	
MUS PERF 237	Elementary/Intermediate Double Bass	
MUS PERF 239	Elementary/Intermediate Harp	
Advanced (complete 14 credits)		*14*
MUS PERF 431	Advanced Violin	
MUS PERF 433	Advanced Viola	
MUS PERF 435	Advanced Cello	
MUS PERF 437	Advanced Double Bass	
MUS PERF 439	Advanced Harp	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**4**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
Keyboard Skills (complete 4 credits):		**4**
All students must pass MUS PERF 104 keyboard proficiency. Extra credits earned in reaching proficiency will count as music electives.		
MUS PERF 103	Elementary Class Piano	
MUS PERF 104	Intermediate Class Piano	
Large Performance Ensemble (complete 8 courses):		**8**
MUSIC 62	University Symphony Orchestra	
String Ensemble (complete 4 courses):		**4**
MUSIC 269	Ensemble-String	
Ensemble (complete 4 courses):		**4**
MUSIC 260	Global Hand Drumming Ensemble: Survey of Selected Global Hand Drumming Traditions	
MUSIC 262	Jazz Ensemble	
MUSIC 265	Ensemble-Woodwind	
MUSIC 267	Ensemble-Brass	
MUSIC 269	Ensemble-String	
MUSIC 268	Ensemble-Percussion	
MUSIC 461	Collegium Musicum	
Pedagogy		**2**
MUSIC 340	Pedagogy	
Repertoire		**2**
MUSIC 346	Repertoire	
Electives		**5**
Elective credit is earned from courses on the list of electives approved for all options of the Bachelor of Music: Performance program. This list is published in the Requirements section for the program.		
Total Credits		**61**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning,

including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	2	Elementary/Intermediate Applied Study Course	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
MUSIC 62	1	MUSIC 62	1
MUSIC 269	1	MUSIC 269	1
Foreign Language	4	Foreign Language	4
Communication A	3	Quantitative Reasoning A	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Elementary/Intermediate Applied Study Course	4	Elementary/Intermediate Applied Study Course	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
MUSIC 62	1	MUSIC 62	1
MUSIC 269	1	MUSIC 269	1
Ethnic Studies	3	MUS PERF 103	2
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	4	Advanced Applied Study Course	4
Music History Elective	3	Music History Elective	3
MUSIC 62	1	MUSIC 62	1
Ensemble	1	Ensemble	1
MUSIC 340	2	MUSIC 252	2
MUS PERF 104	2	MUSIC 346	2
Global Music Cultures	3	Quantitative Reasoning B	3
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Applied Study Course	4	Advanced Applied Study Course	2
MUSIC 62	1	MUS PERF 499	2
Ensemble	1	MUSIC 62	1
Music Electives	2	Ensemble	1
Natural Science Breadth with Lab	4	Music Electives	3
Communication B	3	Social Science Breadth	3
	15		**12**

Total Credits 120

MUSIC: PERFORMANCE: VOICE, BM

REQUIREMENTS

REQUIREMENTS

Students in the Voice option must complete the following:

Code	Title	Credits
Applied Study		
Elementary/Intermediate (complete 12 credits):		*12*
MUS PERF 205	Elementary/Intermediate Voice	
Advanced (complete 14 credits):		*14*
MUS PERF 405	Advanced Voice	
Senior Recital		*2*
MUS PERF 499	Senior Recital	
Advanced Music Theory		**4**
MUSIC 222 & MUSIC 272	Musica Practica 4 and Musica Practica: Aural Skills 4	
Keyboard Skills		
Complete 4 credits of the following:		*4*
MUS PERF 103 & MUS PERF 104	Elementary Class Piano and Intermediate Class Piano	
or		
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	
Complete at least 2 credits of the following:		*2*
MUS PERF 200	Elementary/Intermediate Piano for Non-Piano Majors	
Large Performance Ensemble (complete 7 courses):		**7**
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
MUSIC 58	Madrigal Singers	
Additional Ensemble (complete 1 course):		**1**
MUSIC 50	Concert Choir	
MUSIC 52	Treble Choir	
MUSIC 56	Chorale	
MUSIC 58	Madrigal Singers	
MUSIC 256	University Opera	
MUSIC 257	Opera Workshop	
MUSIC 461	Collegium Musicum	
Repertoire (complete 2 credits):		**2**
MUSIC 346	Repertoire	
Language Diction (complete 4 credits):		**4**
MUSIC 467	Language Diction for Singing I	
MUSIC 468	Language Diction for Singing II	

Foreign Language		**17**
Complete the first unit in French, German, and Italian [1]		
FRENCH 101	First Semester French	
GERMAN 101	First Semester German	
ITALIAN 101	First Semester Italian	
Complete the second unit in TWO of these languages (French, German, Italian) [1]		
FRENCH 102	Second Semester French	
GERMAN 102	Second Semester German	
ITALIAN 102	Second Semester Italian	
Total Credits		**69**

FOOTNOTES

[1] High school units can also meet this requirement.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

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First Year

Fall	Credits	Spring	Credits
MUS PERF 205	2	MUS PERF 205	2
MUSIC 121	3	MUSIC 122	3
MUSIC 171	1	MUSIC 172	1
MUS PERF 103	2	MUS PERF 104	2
MUSIC 50, 52, 56, or 58	1	MUSIC 50, 52, 56, or 58	1
First Foreign Language	4	First Foreign Language	4
Communication A	3	Quantitative Reasoning A	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
MUS PERF 205	4	MUS PERF 205	4
MUSIC 221	3	MUSIC 222	3
MUSIC 271	1	MUSIC 272	1
MUSIC 211	3	MUSIC 212	3
MUSIC 50, 52, 56, or 58	1	MUSIC 50, 52, 56, or 58	1
MUS PERF 200	2	Second Foreign Language	4
Second Foreign Language	4		
	18		**16**

Third Year

Fall	Credits	Spring	Credits
MUS PERF 405	4	MUS PERF 405	4
Music History Elective	3	Music History Elective	3
MUSIC 467	2	MUSIC 468	2
MUSIC 50, 52, 56, or 58	1	MUSIC 50, 52, 56, or 58	1
MUSIC 346	2	Ethnic Studies / Global Music Cultures	3
Natural Science Breadth with Lab	4		
	16		**13**

Fourth Year

Fall	Credits	Spring	Credits
MUS PERF 405	4	MUS PERF 405	2
MUSIC 50, 52, 56, or 58	1	MUS PERF 499	2
Third Foreign Language	4	Ensemble	1
Quantitative Reasoning B	3	MUSIC 252	2
		Social Science Breadth	3
		Communication B	3
	12		**13**

Total Credits 120

MOSSE/WEINSTEIN CENTER FOR JEWISH STUDIES

Founded in 1991, the Mosse/Weinstein Center for Jewish Studies brings together a variety of disciplines to study and interpret Jewish and ancient Israelite history, religion, literature, politics, society, and culture. The center offers a broad selection of courses at all levels, which are cross-listed with other departments, including Classical and Near Eastern Studies, English, Gender and Women's Studies, German/Nordic/Slavic Studies, History, Music, Philosophy, Political Science, Religious Studies, and Sociology.

The Jewish Studies major offers students an in-depth study of 3,500 years of Jewish civilization. The program is interdisciplinary in nature and aims to provide students with a broadly based, rigorous liberal arts education in the field. While learning about Jewish history, religion, language, and culture, students also develop skills in critical thinking, reading, writing, and research – skills that are valuable to a range of career paths.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Jewish Studies, BA (p. 1200)
- Jewish Studies, BS (p. 1204)
- Jewish Studies, Certificate (p. 1208)

JEWISH STUDIES, BA

From history to political science, sociology to music and the arts, Jewish Studies is a vibrant, interdisciplinary program that allows you to explore Jewish civilization from a variety of perspectives. We encourage all students to consider a Jewish Studies major (https://cjs.wisc.edu/major-in-jewish-studies/) or certificate (https://cjs.wisc.edu/certificate-in-jewish-studies/), regardless of your background or previous study.

As a student in Jewish Studies, you will study the intellectual and cultural values of Jews, their religious beliefs and practices, languages, literary creativity, and participation in the larger societies in which they live. You will sharpen your ability to think critically, read closely, and write effectively. And while learning how Jews have lived, survived, and sometimes flourished, you will gain a deeper comprehension of their rich, varied culture and the world they inhabit.

Since Jewish Studies is an interdisciplinary field, many students simultaneously pursue additional majors or certificates including Art (p. 1543), Education (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/education-studies-bs/), Geography (p. 757), History (p. 821), Music (p. 1148), Political Science (p. 1251), Religious Studies (p. 1274), and Sociology (p. 1326). Given the broad history and geography of the Jewish experience, Jewish Studies also pairs well with programs like African Studies (p. 861); Classical and Ancient Near Eastern Studies (p. 592); European Studies (p. 867); German, Nordic, and Slavic (p. 779); and Middle East Studies (p. 965). To sample the variety of Jewish Studies offerings, check out our current courses (https://guide.wisc.edu/courses/jewish/).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.

UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Jewish Studies major requires 10 courses, totaling at least 30 credits, in 5 areas. Each course may count toward only one required area.

1. One Gateway Course
2. Two courses in Literature, Philosophy, and the Arts
3. Two courses in History and Social Science
4. Four courses in Modern Hebrew at an appropriate level
5. The Core Seminar

GATEWAY COURSE

Complete one Gateway Course.

Code	Title	Credits
JEWISH/ LEGAL ST/ RELIG ST 203	Jewish Law, Business, and Ethics	
JEWISH/ RELIG ST 211	Introduction to Judaism	
JEWISH/ RELIG ST 215	The Sabbath	

LITERATURE, PHILOSOPHY, AND THE ARTS

Complete two courses in Literature, Philosophy, and the Arts, at least one of which must fulfill the Jewish Diaspora requirement,

Code	Title	Credits
Jewish Diaspora (complete at least one course):		
JEWISH/ GERMAN/ LITTRANS 269	Yiddish Literature and Culture in Europe	
JEWISH/ GERMAN/ LITTRANS 279	Yiddish Literature and Culture in America	
JEWISH/ LITTRANS 318	Modern Jewish Literature	
JEWISH/ RELIG ST 340	The American Jewish Life of DNA	
JEWISH/ ENGL 370	Jewish Humor	
JEWISH/ AFRICAN/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	
JEWISH/ GERMAN 510	German-Jewish Culture Since the 18th Century	
JEWISH/ ENGL 539	Jewish Literatures in Diaspora	
Complete any additional Diaspora course from the list above, or any of the following:		
JEWISH/ CLASSICS/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	
JEWISH 230	Elementary Topics in Jewish Literature	
JEWISH 232	Elementary Topics in Jewish Philosophy and the Arts	
JEWISH 236	Bascom Course	
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature	
JEWISH/ CLASSICS/ RELIG ST 323	The Bible and Film: Literature and Media	
JEWISH/HEBR-MOD 302	Introduction to Hebrew Literature	
JEWISH/ LITTRANS/ RELIG ST 328	Classical Rabbinic Literature in Translation	
JEWISH/ CLASSICS/ HEBR-BIB/ LITTRANS/ RELIG ST 332	Prophets of the Bible	
JEWISH/ CLASSICS/ RELIG ST 335	King David in History and Tradition	
JEWISH 356	Jerusalem, Holy City of Conflict and Desire	
JEWISH/HEBR-MOD 401	Topics in Modern Hebrew / Israeli Literature and Culture I	
JEWISH/HEBR-MOD 402	Topics in Modern Hebrew / Israeli Literature and Culture II	
JEWISH 430	Intermediate Topics in Jewish Literature	
JEWISH 432	Intermediate Topics in Jewish Philosophy and the Arts	
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust	
JEWISH/HEBR-BIB 513	Biblical Texts, Poetry	
JEWISH/HEBR-BIB 514	Biblical Texts, Poetry	
JEWISH 630	Advanced Topics in Jewish Literature	
JEWISH 632	Advanced Topics in Jewish Philosophy and the Arts	

HISTORY AND SOCIAL SCIENCE

Complete two courses in History and Social Science, at least one of which must fulfill the Jews in America requirement.

Code	Title	Credits
Jews in America (complete at least one course):		
JEWISH/ HISTORY 213	Jews and American Pop. Culture	
JEWISH/ HISTORY 219	The American Jewish Experience: From Shtetl to Suburb	
JEWISH/ RELIG ST 340	The American Jewish Life of DNA	
Complete any additional Jews in America course from the list above, or any of the following:		
JEWISH/ HISTORY 220	Introduction to Modern Jewish History	
JEWISH 231	Elementary Topics in Jewish History	
JEWISH/ CLASSICS 241	Introduction to Biblical Archaeology	
JEWISH/ HISTORY 310	The Holocaust	
JEWISH/ POLI SCI 341	Israeli Politics and Society	
JEWISH/ILS/ SOC 423	Modern Jewish Thought	
JEWISH 431	Intermediate Topics in Jewish History	
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences	
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	
JEWISH/ HISTORY 518	Anti-Semitism in European Culture, 1700-1945	
POLI SCI 529	Arab-Israeli Conflict	
JEWISH 631	Advanced Topics in Jewish History	

LANGUAGE REQUIREMENT

Complete four courses in Modern Hebrew at an appropriate level.

Code	Title	Credits
Modern Hebrew (Complete 4 courses):		
HEBR-MOD 101	First Semester Hebrew	
HEBR-MOD 102	Second Semester Hebrew	
HEBR-MOD 201	Third Semester Hebrew	
HEBR-MOD 202	Fourth Semester Hebrew	
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature	
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature	
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I	
HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II	

CORE SEMINAR

Complete the Core Seminar.

Code	Title	Credits
JEWISH 350	What Is Jewish Studies?	

NOTE ON DIRECTED STUDY

With prior consent of the undergraduate advisor in Jewish studies and the relevant instructor, students may use one Directed Study course (JEWISH 699) to satisfy a requirement for the major.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all JEWISH courses and all courses accepted in the major
- 2.000 GPA on 15 upper-level major credits, taken in residence. Upper-level work includes all Intermediate or Advanced level courses in the Jewish Studies major.
- 15 credits in JEWISH, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Jewish Studies undergraduate advisor.

HONORS IN THE JEWISH STUDIES MAJOR: REQUIREMENTS

To earn Honors in the Major students must satisfy both the requirements for the major and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all JEWISH courses, and all courses accepted in the major
- Complete at least two courses, taken for Honors, in the major, with grades of B or better in each
- Complete a two-semester Senior Honors Thesis, a piece of original research composition, in JEWISH 681 and JEWISH 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Proficiency in reading, writing, understanding, and conversing in Hebrew or another approved Jewish language, attained through four semesters of study
2. Ability to read Jewish texts closely and to write original, coherent, and compelling arguments that push beyond summary to analysis
3. Knowledge of Jewish civilization, culture, and society in both the past and the present
4. Development, pursuit, and presentation of original research in Jewish studies culminating in a substantive academic paper that utilizes and cites appropriate sources
5. Appreciation for diverse worldviews and value systems, including an understanding of interactions between Jews and non-Jews within the context of minority-majority relationships in Wisconsin, in the United States, and across the globe

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
HEBR-MOD 101	4	HEBR-MOD 102	4
JEWISH/LEGAL ST/ RELIG ST 203 or 211	3	Quantitative Reasoning B	3
Communication A	3	Communications B	3
Quantitative Reasoning A	3	Science Breadth	3
Elective (Elementary level)	3	Elective (Elementary level)	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
HEBR-MOD 201	4	HEBR-MOD 202	4
JEWISH/HISTORY 219 (meets Ethnic Studies; Jews in America [History/Social Science])	4	Biological Science Breadth	3
Physical Science Breadth	3-4	JEWISH/PHILOS 442 (meets Literature/ Philosophy/Arts)	3
Elective (Intermediate level)	3	Electives (Intermediate level)	6
	14		**16**

Third Year

Fall	Credits	Spring	Credits
JEWISH/HISTORY 310 (meets History/Social Science)	4	JEWISH 350	3
Science Breadth	3	JEWISH/AFRICAN/ MEDIEVAL/ RELIG ST 462 (meets Literature/Philosophy/ Arts)	3
Social Science Breadth (if needed)	3	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3
Electives (Intermediate or Advanced level)	6	Social Science Breadth (if needed)	3
		Elective (Intermediate or Advanced level)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Electives (Intermediate or Advanced level)	12
Electives (Intermediate or Advanced level)	12		
	15		**12**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

If you are interested in the possibility of declaring a major in Jewish Studies, make an appointment with the undergraduate advisor.

Jewish Studies can prepare one for a variety of career paths. Graduates in Jewish Studies have followed a variety of different career paths, including law, medicine, education, finance, social work, and the nonprofit sector. Jewish Studies students are also well prepared to apply for graduate studies in fields such as law, education, business, and social work, as well as prime candidates for rabbinical or cantorial school, theological studies, and advanced levels of Jewish Studies.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience,

and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

JEWISH STUDIES, BS

From history to political science, sociology to music and the arts, Jewish Studies is a vibrant, interdisciplinary program that allows you to explore Jewish civilization from a variety of perspectives. We encourage all students to consider a Jewish Studies major (https://cjs.wisc.edu/major-in-jewish-studies/) or certificate (https://cjs.wisc.edu/certificate-in-jewish-studies/), regardless of your background or previous study.

As a student in Jewish Studies, you will study the intellectual and cultural values of Jews, their religious beliefs and practices, languages, literary creativity, and participation in the larger societies in which they live. You will sharpen your ability to think critically, read closely, and write effectively. And while learning how Jews have lived, survived, and sometimes flourished, you will gain a deeper comprehension of their rich, varied culture and the world they inhabit.

Since Jewish Studies is an interdisciplinary field, many students simultaneously pursue additional majors or certificates including Art (p. 1543), Education (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/education-studies-bs/), Geography (p. 757), History (p. 821), Music (p. 1148), Political Science (p. 1251), Religious Studies (p. 1274), and Sociology (p. 1326). Given the broad history and geography of the Jewish experience, Jewish Studies also pairs well with programs like African Studies (p. 861); Classical and Ancient Near Eastern Studies (p. 592); European Studies (p. 867); German, Nordic, and Slavic (p. 779); and Middle East Studies (p. 965). To sample the variety of Jewish Studies offerings, check out our current courses (https://guide.wisc.edu/courses/jewish/).

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.

L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The Jewish Studies major requires 10 courses, totaling at least 30 credits, in 5 areas. Each course may count toward only one required area.

1. One Gateway Course
2. Two courses in Literature, Philosophy, and the Arts
3. Two courses in History and Social Science
4. Four courses in Modern Hebrew at an appropriate level
5. The Core Seminar

GATEWAY COURSE

Complete one Gateway Course.

Code	Title	Credits
JEWISH/ LEGAL ST/ RELIG ST 203	Jewish Law, Business, and Ethics	
JEWISH/ RELIG ST 211	Introduction to Judaism	
JEWISH/ RELIG ST 215	The Sabbath	

LITERATURE, PHILOSOPHY, AND THE ARTS

Complete two courses in Literature, Philosophy, and the Arts, at least one of which must fulfill the Jewish Diaspora requirement,

Code	Title	Credits
Jewish Diaspora (complete at least one course):		
JEWISH/ GERMAN/ LITTRANS 269	Yiddish Literature and Culture in Europe	
JEWISH/ GERMAN/ LITTRANS 279	Yiddish Literature and Culture in America	
JEWISH/ LITTRANS 318	Modern Jewish Literature	
JEWISH/ RELIG ST 340	The American Jewish Life of DNA	
JEWISH/ ENGL 370	Jewish Humor	
JEWISH/ AFRICAN/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	
JEWISH/ GERMAN 510	German-Jewish Culture Since the 18th Century	
JEWISH/ ENGL 539	Jewish Literatures in Diaspora	
Complete any additional Diaspora course from the list above, or any of the following:		
JEWISH/ CLASSICS/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	
JEWISH 230	Elementary Topics in Jewish Literature	
JEWISH 232	Elementary Topics in Jewish Philosophy and the Arts	
JEWISH 236	Bascom Course	
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature	
JEWISH/ CLASSICS/ RELIG ST 323	The Bible and Film: Literature and Media	
JEWISH/HEBR-MOD 302	Introduction to Hebrew Literature	
JEWISH/ LITTRANS/ RELIG ST 328	Classical Rabbinic Literature in Translation	
JEWISH/ CLASSICS/ HEBR-BIB/ LITTRANS/ RELIG ST 332	Prophets of the Bible	
JEWISH/ CLASSICS/ RELIG ST 335	King David in History and Tradition	
JEWISH 356	Jerusalem, Holy City of Conflict and Desire	
JEWISH/HEBR-MOD 401	Topics in Modern Hebrew / Israeli Literature and Culture I	
JEWISH/HEBR-MOD 402	Topics in Modern Hebrew / Israeli Literature and Culture II	

JEWISH 430	Intermediate Topics in Jewish Literature
JEWISH 432	Intermediate Topics in Jewish Philosophy and the Arts
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust
JEWISH/HEBR-BIB 513	Biblical Texts, Poetry
JEWISH/HEBR-BIB 514	Biblical Texts, Poetry
JEWISH 630	Advanced Topics in Jewish Literature
JEWISH 632	Advanced Topics in Jewish Philosophy and the Arts

HISTORY AND SOCIAL SCIENCE

Complete two courses in History and Social Science, at least one of which must fulfill the Jews in America requirement.

Code	Title	Credits
Jews in America (complete at least one course):		
JEWISH/ HISTORY 213	Jews and American Pop. Culture	
JEWISH/ HISTORY 219	The American Jewish Experience: From Shtetl to Suburb	
JEWISH/ RELIG ST 340	The American Jewish Life of DNA	
Complete any additional Jews in America course from the list above, or any of the following:		
JEWISH/ HISTORY 220	Introduction to Modern Jewish History	
JEWISH 231	Elementary Topics in Jewish History	
JEWISH/ CLASSICS 241	Introduction to Biblical Archaeology	
JEWISH/ HISTORY 310	The Holocaust	
JEWISH/ POLI SCI 341	Israeli Politics and Society	
JEWISH/ILS/ SOC 423	Modern Jewish Thought	
JEWISH 431	Intermediate Topics in Jewish History	
JEWISH 433	Intermediate Topics in Jewish Studies: Social Sciences	
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	
JEWISH/ HISTORY 518	Anti-Semitism in European Culture, 1700-1945	
POLI SCI 529	Arab-Israeli Conflict	
JEWISH 631	Advanced Topics in Jewish History	

LANGUAGE REQUIREMENT

Complete four courses in Modern Hebrew at an appropriate level.

Code	Title	Credits
Modern Hebrew (Complete 4 courses):		
HEBR-MOD 101	First Semester Hebrew	
HEBR-MOD 102	Second Semester Hebrew	
HEBR-MOD 201	Third Semester Hebrew	
HEBR-MOD 202	Fourth Semester Hebrew	
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature	
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature	
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I	
HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II	

CORE SEMINAR

Complete the Core Seminar.

Code	Title	Credits
JEWISH 350	What Is Jewish Studies?	

NOTE ON DIRECTED STUDY

With prior consent of the undergraduate advisor in Jewish studies and the relevant instructor, students may use one Directed Study course (JEWISH 699) to satisfy a requirement for the major.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all JEWISH courses and all courses accepted in the major
- 2.000 GPA on 15 upper-level major credits, taken in residence. Upper-level work includes all Intermediate or Advanced level courses in the Jewish Studies major.
- 15 credits in JEWISH, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Jewish Studies undergraduate advisor.

HONORS IN THE JEWISH STUDIES MAJOR: REQUIREMENTS

To earn Honors in the Major students must satisfy both the requirements for the major and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all JEWISH courses, and all courses accepted in the major
- Complete at least two courses, taken for Honors, in the major, with grades of B or better in each
- Complete a two-semester Senior Honors Thesis, a piece of original research composition, in JEWISH 681 and JEWISH 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Proficiency in reading, writing, understanding, and conversing in Hebrew or another approved Jewish language, attained through four semesters of study
2. Ability to read Jewish texts closely and to write original, coherent, and compelling arguments that push beyond summary to analysis
3. Knowledge of Jewish civilization, culture, and society in both the past and the present
4. Development, pursuit, and presentation of original research in Jewish studies culminating in a substantive academic paper that utilizes and cites appropriate sources
5. Appreciation for diverse worldviews and value systems, including an understanding of interactions between Jews and non-Jews within the context of minority-majority relationships in Wisconsin, in the United States, and across the globe

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
HEBR-MOD 101	4	HEBR-MOD 102	4
JEWISH/LEGAL ST/ RELIG ST 203 or 211	3	Quantitative Reasoning B	3
Communication A	3	Communications B	3
Quantitative Reasoning A	3	Science Breadth	3
Elective (Elementary level)	3	Elective (Elementary level)	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
HEBR-MOD 201	4	HEBR-MOD 202	4
JEWISH/HISTORY 219 (meets Ethnic Studies; Jews in America [History/Social Science])	4	Biological Science Breadth	3
Physical Science Breadth	3-4	JEWISH/PHILOS 442 (meets Literature/ Philosophy/Arts)	3
Elective (Intermediate level)	3	Electives (Intermediate level)	6
	14		**16**

Third Year

Fall	Credits	Spring	Credits
JEWISH/HISTORY 310 (meets History/Social Science)	4	JEWISH 350	3
Science Breadth	3	JEWISH/AFRICAN/ MEDIEVAL/ RELIG ST 462 (meets Literature/Philosophy/ Arts)	3
Social Science Breadth (if needed)	3	Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3
Electives (Intermediate or Advanced level)	6	Social Science Breadth (if needed)	3
		Elective (Intermediate or Advanced level)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
Intermediate/Advanced COMP SCI, MATH, or STAT (if BS)	3	Electives (Intermediate or Advanced level)	12
Electives (Intermediate or Advanced level)	12		
	15		**12**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

If you are interested in the possibility of declaring a major in Jewish Studies, make an appointment with the undergraduate advisor.

Jewish Studies can prepare one for a variety of career paths. Graduates in Jewish Studies have followed a variety of different career paths, including law, medicine, education, finance, social work, and the nonprofit sector. Jewish Studies students are also well prepared to apply for graduate studies in fields such as law, education, business, and social work, as well as prime candidates for rabbinical or cantorial school, theological studies, and advanced levels of Jewish Studies.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

JEWISH STUDIES, CERTIFICATE

From history to political science, sociology to music and the arts, Jewish Studies is a vibrant, interdisciplinary program that allows you to explore Jewish civilization from a variety of perspectives. We encourage all students to consider a Jewish Studies major (https://cjs.wisc.edu/major-in-jewish-studies/) or certificate (https://cjs.wisc.edu/certificate-in-jewish-studies/), regardless of your background or previous study.

As a student in Jewish Studies, you will study the intellectual and cultural values of Jews, their religious beliefs and practices, languages, literary creativity, and participation in the larger societies in which they live. You will sharpen your ability to think critically, read closely, and write effectively. And while learning how Jews have lived, survived, and sometimes flourished, you will gain a deeper comprehension of their rich, varied culture and the world they inhabit.

Since Jewish Studies is an interdisciplinary field, many students simultaneously pursue additional majors or certificates including Art (p. 1543), Education (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/education-studies-bs/), Geography (p. 757), History (p. 821), Music (p. 1148), Political Science (p. 1251), Religious Studies (p. 1274), and Sociology (p. 1326). Given the broad history and geography of the Jewish experience, Jewish Studies also pairs well with programs like African Studies (p. 861); Classical and Ancient Near Eastern Studies (p. 592); European Studies (p. 867); German, Nordic, and Slavic (p. 779); and Middle East Studies (p. 965). To sample the variety of Jewish Studies offerings, check out our current courses (https://guide.wisc.edu/courses/jewish/).

HOW TO GET IN

HOW TO GET IN

Students interested in a certificate in Jewish Studies should make an appointment with the undergraduate advisor (undergrad-adviser@cjs.wisc.edu) to discuss requirements and courses.

REQUIREMENTS

REQUIREMENTS

The Jewish Studies certificate requires 5 courses, totaling at least 15 credits, in 4 areas (each course may count toward only one required area):

1. two courses in an approved Jewish language;
2. one course in Literature, Philosophy, or the Arts;
3. one course in History or Social Science; and
4. one course in Pre-Modern Jewish History, Culture, or Literature.

LANGUAGE REQUIREMENT

Complete two courses in one of the following approved Jewish languages at the appropriate level.

Code	Title	Credits
Biblical Hebrew (Select 2 courses):		
HEBR-BIB 103	Elementary Biblical Hebrew, I	
HEBR-BIB 104	Elementary Biblical Hebrew, II	
HEBR-BIB 323	Intermediate Biblical Hebrew, I	
HEBR-BIB 324	Intermediate Biblical Hebrew, II	
HEBR-BIB 391	Intensive Elementary Biblical Hebrew	
HEBR-BIB/ JEWISH 513	Biblical Texts, Poetry	
HEBR-BIB/ JEWISH 514	Biblical Texts, Poetry	
Modern Hebrew (Select 2 courses):		
HEBR-MOD 101	First Semester Hebrew	
HEBR-MOD 102	Second Semester Hebrew	
HEBR-MOD 201	Third Semester Hebrew	
HEBR-MOD 202	Fourth Semester Hebrew	
HEBR-MOD/ JEWISH 301	Introduction to Hebrew Literature	
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature	
HEBR-MOD/ JEWISH 401	Topics in Modern Hebrew / Israeli Literature and Culture I	

HEBR-MOD/ JEWISH 402	Topics in Modern Hebrew / Israeli Literature and Culture II
Yiddish (Select 2 courses)	
JEWISH/GNS 105	First Semester Yiddish
JEWISH/GNS 106	Second Semester Yiddish

LITERATURE, PHILOSOPHY, OR THE ARTS

Complete one course in Literature, Philosophy, or the Arts.

Code	Title	Credits
JEWISH/ LEGAL ST/ RELIG ST 203	Jewish Law, Business, and Ethics	
JEWISH/ RELIG ST 211	Introduction to Judaism	
JEWISH/ RELIG ST 215	The Sabbath	
JEWISH/ CLASSICS/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	
JEWISH 230	Elementary Topics in Jewish Literature	
JEWISH 232	Elementary Topics in Jewish Philosophy and the Arts	
JEWISH 236	Bascom Course	
JEWISH/ GERMAN/ LITTRANS 269	Yiddish Literature and Culture in Europe	
JEWISH/ GERMAN/ LITTRANS 279	Yiddish Literature and Culture in America	
JEWISH 299	Directed Study	
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature	
JEWISH/HEBR-MOD 302	Introduction to Hebrew Literature	
JEWISH/ LITTRANS 318	Modern Jewish Literature	
JEWISH/ LITTRANS/ RELIG ST 328	Classical Rabbinic Literature in Translation	
JEWISH/ CLASSICS/ HEBR-BIB/ LITTRANS/ RELIG ST 332	Prophets of the Bible	
JEWISH/ CLASSICS/ RELIG ST 335	King David in History and Tradition	
JEWISH/ RELIG ST 340	The American Jewish Life of DNA	
JEWISH 356	Jerusalem, Holy City of Conflict and Desire	
JEWISH/ ENGL 370	Jewish Humor	
JEWISH/HEBR-MOD 401	Topics in Modern Hebrew / Israeli Literature and Culture I	
JEWISH/HEBR-MOD 402	Topics in Modern Hebrew / Israeli Literature and Culture II	
JEWISH 430	Intermediate Topics in Jewish Literature	
JEWISH 432	Intermediate Topics in Jewish Philosophy and the Arts	
JEWISH/ PHILOS 442	Moral Philosophy and the Holocaust	
JEWISH/HEBR-BIB 513	Biblical Texts, Poetry	
JEWISH/HEBR-BIB 514	Biblical Texts, Poetry	
JEWISH/ ENGL 539	Jewish Literatures in Diaspora	
JEWISH/ GERMAN 510	German-Jewish Culture Since the 18th Century	
JEWISH 630	Advanced Topics in Jewish Literature	
JEWISH 632	Advanced Topics in Jewish Philosophy and the Arts	
JEWISH 699	Directed Study	

HISTORY OR SOCIAL SCIENCE

Complete one course in History or Social Science.

Code	Title	Credits
JEWISH/ LEGAL ST/ RELIG ST 203	Jewish Law, Business, and Ethics	
JEWISH/ RELIG ST 211	Introduction to Judaism	
JEWISH/ HISTORY 213	Jews and American Pop. Culture	
JEWISH/ HISTORY 219	The American Jewish Experience: From Shtetl to Suburb	
JEWISH/ HISTORY 220	Introduction to Modern Jewish History	
JEWISH 231	Elementary Topics in Jewish History	
JEWISH/ CLASSICS 241	Introduction to Biblical Archaeology	
JEWISH 299	Directed Study	
JEWISH/ HISTORY 310	The Holocaust	
JEWISH/ RELIG ST 340	The American Jewish Life of DNA	
JEWISH/ POLI SCI 341	Israeli Politics and Society	
JEWISH 350	What Is Jewish Studies?	
JEWISH/ILS/ SOC 423	Modern Jewish Thought	
JEWISH 431	Intermediate Topics in Jewish History	
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	

JEWISH/ HISTORY 518	Anti-Semitism in European Culture, 1700-1945
POLI SCI 529	Arab-Israeli Conflict
JEWISH 631	Advanced Topics in Jewish History
JEWISH 699	Directed Study

PRE-MODERN JEWISH HISTORY, CULTURE, OR LITERATURE

Complete one course in Pre-Modern Jewish History, Culture, or Literature.

Code	Title	Credits
JEWISH/ LEGAL ST/ RELIG ST 203	Jewish Law, Business, and Ethics	
JEWISH/ RELIG ST 211	Introduction to Judaism	
JEWISH/ RELIG ST 215	The Sabbath	
JEWISH/ CLASSICS/ LITTRANS/ RELIG ST 227	Introduction to Biblical Literature (in English)	
JEWISH/ CLASSICS 241	Introduction to Biblical Archaeology	
JEWISH/ LITTRANS/ RELIG ST 328	Classical Rabbinic Literature in Translation	
JEWISH/ CLASSICS/ HEBR-BIB/ LITTRANS/ RELIG ST 332	Prophets of the Bible	
JEWISH/ CLASSICS/ RELIG ST 335	King David in History and Tradition	
JEWISH 356	Jerusalem, Holy City of Conflict and Desire	
JEWISH/ AFRICAN/ MEDIEVAL/ RELIG ST 462	Muslims and Jews	
JEWISH/HEBR-BIB 513	Biblical Texts, Poetry	
JEWISH/HEBR-BIB 514	Biblical Texts, Poetry	

NOTE ON DIRECTED STUDY

With prior consent of the undergraduate advisor in Jewish Studies and the relevant instructor, students may use one Directed Study course (JEWISH 699 (https://guide.wisc.edu/search/?P=JEWISH%20699)) to satisfy a requirement for the certificate.

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all JEWISH courses and courses approved for the certificate
- 11 credits, counting toward the certificate, taken in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. At least two semesters of reading, understanding and conversing in Hebrew or another approved Jewish language.
2. Honed critical abilities in close reading, interpretation, and written analysis of ancient and modern Jewish texts.
3. Expanded knowledge of Jewish history, culture, philosophy, arts, religious practice, and politics in both the past and present.
4. Disposition of increased appreciation for diverse world views, value systems and interactions between Jews and non-Jews, minorities and majorities, in Wisconsin, the US, and across the globe.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS CERTIFICATE

If you are interested in the possibility of declaring a certificate in Jewish Studies, make an appointment with the undergraduate advisor (associate-director@cjs.wisc.edu).

Jewish Studies can prepare one for a variety of career paths. Graduates in Jewish Studies have followed a variety of different career paths, including law, medicine, education, finance, social work, and the nonprofit sector. Jewish Studies students are also well prepared to apply for graduate studies in fields such as law, education, business, and social work, as well as prime candidates for rabbinical or cantorial school, theological studies, and advanced levels of Jewish Studies.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

PHILOSOPHY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Philosophy, BA (p. 1211)
- Philosophy, BS (p. 1214)

PHILOSOPHY, BA

Philosophy involves reflection upon and understanding of all phases of human activity. Philosophy especially directs itself to the nature of knowledge and the most basic concepts of human understanding and value: morality, society, art and aesthetic experience, as well as science, politics, and religion.

Philosophy is thus closely involved with other disciplines because, as human activities and quests for knowledge, they and their findings provide the material for philosophical inquiry. The courses (https://guide.wisc.edu/courses/philos/) offered by the department are designed to help students develop their own capacities to reflect intelligently on questions of fundamental and lasting significance.

The Philosophy major is intended to meet the needs of four types of students:

- those who wish to use philosophy as the organizing core of a liberal education;
- those who desire to study philosophy in preparation for graduate work in some other field, such as law, government, or theology;
- those who plan to major jointly in philosophy and one of the social sciences, natural sciences, or humanities; and
- those who have a professional interest in philosophy and intend to do graduate work in the subject.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

27 CREDITS AND 8 COURSES IN PHILOS (HTTPS://GUIDE.WISC.EDU/COURSES/PHILOS/)

Code	Title	Credits
Required Courses		
PHILOS 211	Elementary Logic	3-4
or PHILOS 511	Symbolic Logic	
PHILOS 430	History of Ancient Philosophy	3-4
PHILOS 432	History of Modern Philosophy	3-4
5 advanced PHILOS courses of at least 3 credits from below:		**15**
PHILOS 430	History of Ancient Philosophy	
PHILOS 432	History of Modern Philosophy	
PHILOS 440	Existentialism	
PHILOS/ ENVIR ST 441	Environmental Ethics	
PHILOS 454	Classical Philosophers	
PHILOS/ RELIG ST 501	Philosophy of Religion	
PHILOS 503	Theory of Knowledge	
PHILOS 504	Special Topics in the Theory of Knowledge	
PHILOS 506	Study Abroad in Philosophy	
PHILOS 511	Symbolic Logic	
PHILOS 512	Methods of Logic	
PHILOS 516	Language and Meaning	
PHILOS 520	Philosophy of the Natural Sciences	
PHILOS 522	Special Topic	
PHILOS/ ENVIR ST 523	Philosophical Problems of the Biological Sciences	
PHILOS/ ECON 524	Philosophy and Economics	
PHILOS 530	Freedom Fate and Choice	
PHILOS 541	Modern Ethical Theories	
PHILOS 543	Special Topics in Ethics	
PHILOS 549	Great Moral Philosophers	
PHILOS/ ED POL 550	Philosophy of Moral Education	
PHILOS 551	Philosophy of Mind	
PHILOS 553	Aesthetics	
PHILOS 555	Political Philosophy	
PHILOS/ GEN&WS 556	Topics in Feminism and Philosophy	
PHILOS 557	Issues in Social Philosophy	
PHILOS 560	Metaphysics	
PHILOS 562	Special Topics in Metaphysics	
PHILOS 567	Topics in Contemporary Philosophy	
PHILOS/ MATH 571	Mathematical Logic	
Additional credits—if necessary—to achieve 27 for the major		**3**
Total Credits		**27**

DISTRIBUTION

Of the 27 credits, at least 1 course is required from each category ('Metaphysics and Epistemology' and 'Value Theory'):

Category 'Metaphysics and Epistemology'

Complete one course:

Code	Title	Credits
PHILOS/ RELIG ST 501	Philosophy of Religion	3-4
PHILOS 503	Theory of Knowledge	3
PHILOS 504	Special Topics in the Theory of Knowledge (Bayesian Epistemology)	3
PHILOS 504	Special Topics in the Theory of Knowledge (Epistemic Ideals)	3
PHILOS 516	Language and Meaning	3
PHILOS 520	Philosophy of the Natural Sciences	3
PHILOS 530	Freedom Fate and Choice	3
PHILOS 551	Philosophy of Mind	3
PHILOS 560	Metaphysics	3
PHILOS 562	Special Topics in Metaphysics (Consciousness)	3
PHILOS 567	Topics in Contemporary Philosophy	3

Category 'Value Theory'

Complete one course:

Code	Title	Credits
PHILOS 241	Introductory Ethics	3-4
PHILOS 454	Classical Philosophers (Aristotle's Ethics)	3
PHILOS 541	Modern Ethical Theories	3
PHILOS 549	Great Moral Philosophers	3
PHILOS 555	Political Philosophy	3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all PHILOS courses and courses that count for the major
- 2.000 GPA on 15 upper-level credits in the major, taken in residence[1]
- 15 credits in PHILOS, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Philosophy Major in consultation with the Philosophy undergraduate advisor.

HONORS IN THE PHILOSOPHY MAJOR: REQUIREMENTS

To earn Honors in the Major in Philosophy, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Minimum 3.300 University GPA
- Minimum a 3.500 GPA for all PHILOS and major courses
- One *additional* course from either the Metaphysics and Epistemology or Value Theory categories with a grade of B or better
- PHILOS 681 (for 1-3 credits) and PHILOS 682 (for 3 credits) with a grade of AB or better.[2]

FOOTNOTES

1 Courses between PHILOS 400–699 are considered upper-level in the major.

2 Students will not be permitted to write a Senior Honors Thesis unless they have taken at least one advanced course on the topic on which they will be writing. Credits earned by writing a Senior Honors Thesis will not count toward the 27 minimum credits required for the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Ability to think critically about arguments.
2. Ability to interpret complex texts accurately and analyze them logically.
3. Ability to communicate precisely and concisely in both writing and speech.
4. Familiarity with the history of Western philosophy and the major debates withing that tradition.
5. Ability to be engaged citizens who think carefully and well about their responsibilities to others.
6. Ability to exchange reasons about controversial matters respectfully and with the aim of uncovering the truth.
7. Interpretative charity and intellectual honesty, which includes appropriate attribution to others of their ideas, and recognition and frankness about the limitations of one's own ideas.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communications A	3	Ethnic Sudies	3
PHILOS 101	3-4	Foreign Language (if needed)	4
PHILOS 210	3-4	I/A MATH, STAT or COMP SCI (for BS degree)	3
Physical Science Breadth	3	PHILOS 241	3-4
Foreign Language (if needed)	4	PHILOS 211 (Quantitative Reasoning B)	3-4
	14		**16**

Second Year

Fall	Credits	Spring	Credits
PHILOS 430	3-4	Communication B	4
Literature Breadth	3	PHILOS 432	3-4
Social Science Breadth	4	I/A MATH, STAT, or COMP SCI (for BS degree)	3
INTER-LS 210	1	Social Science Breadth	4
Biological Science Breadth	3		
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Metaphysics and Epistemology category course	3-4	Value Theory category course	3-4
Natural Science Breadth	3	PHILOS 400+ Electives	3-4
Literature Breadth	3	Electives	7
Electives	5		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
PHILOS Electives	3	PHILOS 500+ Electives	3
Electives	12	Electives	12
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Philosophy website (https://philosophy.wisc.edu/undergraduate-program-2/major-declaration/).

The Department of Philosophy encourages our students to begin working on their career exploration and preparation soon after arriving on campus. Philosophy students develop important and widely marketable skills, like the ability to think critically, communicate clearly, and solve complex problems. This means that having a major in Philosophy provides excellent preparation for a variety of careers.

Studying philosophy can also help you get into graduate school. Philosophy students excel on standardized tests like the GRE, GMAT, and LSAT. They rank first among all majors on the verbal and the analytical sections of the GRE. Philosophy students also tend to do better than just about any other major on the LSAT. With a mean score of just over 157, they are second only to Physics students. When it comes to the GMAT, Philosophy students rank in the top five of all majors, and they consistently have higher scores than Business students (including Management, Finance, Accounting, and Marketing).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

UNDERGRADUATE SCHOLARSHIPS

The Department of Philosophy has received generous support in order to fund two scholarships each academic year (https://philosophy.wisc.edu/undergraduate-program-2/scholarships/).

The **Charles Manthey Winter Philosophy Scholarship** is given to a student majoring in Philosophy who will graduate within the next four terms of the award and who has at least a 3.500 grade point average over the past two terms, and who can demonstrate financial need.

The **Colonel Jerome Ellis Goodrich, USMC (retired), Scholarship** is awarded to an undergraduate student majoring in Philosophy with academic merit and financial need, and who is a U.S. citizen.

Applications for these scholarships are typically due in early April and winners are honored at our annual Awards Banquet in May.

We also have an annual paper prize called the **Temkin Undergraduate Essay Prize in Value Theory**. This prize recognizes an outstanding essay in value theory, where this is construed quite broadly to include topics in political philosophy, philosophy of law, metaethics, applied ethics, etc. Essays are typically submitted in early April and the winner is also honored at our Awards Banquet.

If you have any questions about these scholarships or essay prizes, you may send an email to frontoffice@philosophy.wisc.edu.

PHILOSOPHY, BS

Philosophy involves reflection upon and understanding of all phases of human activity. Philosophy especially directs itself to the nature of knowledge and the most basic concepts of human understanding and value: morality, society, art and aesthetic experience, as well as science, politics, and religion.

Philosophy is thus closely involved with other disciplines because, as human activities and quests for knowledge, they and their findings provide

the material for philosophical inquiry. The courses (https://guide.wisc.edu/courses/philos/) offered by the department are designed to help students develop their own capacities to reflect intelligently on questions of fundamental and lasting significance.

The Philosophy major is intended to meet the needs of four types of students:

- those who wish to use philosophy as the organizing core of a liberal education;
- those who desire to study philosophy in preparation for graduate work in some other field, such as law, government, or theology;
- those who plan to major jointly in philosophy and one of the social sciences, natural sciences, or humanities; and
- those who have a professional interest in philosophy and intend to do graduate work in the subject.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

27 CREDITS AND 8 COURSES IN PHILOS (HTTPS://GUIDE.WISC.EDU/COURSES/PHILOS/)

Code	Title	Credits
Required Courses		
PHILOS 211	Elementary Logic	3-4
or PHILOS 511	Symbolic Logic	
PHILOS 430	History of Ancient Philosophy	3-4
PHILOS 432	History of Modern Philosophy	3-4
5 advanced PHILOS courses of at least 3 credits from below:		**15**
PHILOS 430	History of Ancient Philosophy	
PHILOS 432	History of Modern Philosophy	
PHILOS 440	Existentialism	
PHILOS/ ENVIR ST 441	Environmental Ethics	
PHILOS 454	Classical Philosophers	
PHILOS/ RELIG ST 501	Philosophy of Religion	
PHILOS 503	Theory of Knowledge	
PHILOS 504	Special Topics in the Theory of Knowledge	
PHILOS 506	Study Abroad in Philosophy	
PHILOS 511	Symbolic Logic	
PHILOS 512	Methods of Logic	
PHILOS 516	Language and Meaning	
PHILOS 520	Philosophy of the Natural Sciences	
PHILOS 522	Special Topic	
PHILOS/ ENVIR ST 523	Philosophical Problems of the Biological Sciences	
PHILOS/ ECON 524	Philosophy and Economics	
PHILOS 530	Freedom Fate and Choice	
PHILOS 541	Modern Ethical Theories	
PHILOS 543	Special Topics in Ethics	
PHILOS 549	Great Moral Philosophers	
PHILOS/ ED POL 550	Philosophy of Moral Education	
PHILOS 551	Philosophy of Mind	
PHILOS 553	Aesthetics	
PHILOS 555	Political Philosophy	
PHILOS/ GEN&WS 556	Topics in Feminism and Philosophy	
PHILOS 557	Issues in Social Philosophy	
PHILOS 560	Metaphysics	
PHILOS 562	Special Topics in Metaphysics	
PHILOS 567	Topics in Contemporary Philosophy	
PHILOS/ MATH 571	Mathematical Logic	
Additional credits—if necessary—to achieve 27 for the major		**3**
Total Credits		**27**

DISTRIBUTION

Of the 27 credits, at least 1 course is required from each category ('Metaphysics and Epistemology' and 'Value Theory'):

Category 'Metaphysics and Epistemology'

Complete one course:

Code	Title	Credits
PHILOS/ RELIG ST 501	Philosophy of Religion	3-4
PHILOS 503	Theory of Knowledge	3
PHILOS 504	Special Topics in the Theory of Knowledge (Bayesian Epistemology)	3
PHILOS 504	Special Topics in the Theory of Knowledge (Epistemic Ideals)	3
PHILOS 516	Language and Meaning	3
PHILOS 520	Philosophy of the Natural Sciences	3
PHILOS 530	Freedom Fate and Choice	3
PHILOS 551	Philosophy of Mind	3
PHILOS 560	Metaphysics	3
PHILOS 562	Special Topics in Metaphysics (Consciousness)	3
PHILOS 567	Topics in Contemporary Philosophy	3

Category 'Value Theory'

Complete one course:

Code	Title	Credits
PHILOS 241	Introductory Ethics	3-4
PHILOS 454	Classical Philosophers (Aristotle's Ethics)	3
PHILOS 541	Modern Ethical Theories	3
PHILOS 549	Great Moral Philosophers	3
PHILOS 555	Political Philosophy	3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all PHILOS courses and courses that count for the major
- 2.000 GPA on 15 upper-level credits in the major, taken in residence[1]
- 15 credits in PHILOS, taken on campus

HONORS IN THE MAJOR

Students may declare Honors in the Philosophy Major in consultation with the Philosophy undergraduate advisor.

HONORS IN THE PHILOSOPHY MAJOR: REQUIREMENTS

To earn Honors in the Major in Philosophy, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Minimum 3.300 University GPA
- Minimum a 3.500 GPA for all PHILOS and major courses
- One *additional* course from either the Metaphysics and Epistemology or Value Theory categories with a grade of B or better
- PHILOS 681 (for 1-3 credits) and PHILOS 682 (for 3 credits) with a grade of AB or better.[2]

FOOTNOTES

[1] Courses between PHILOS 400–699 are considered upper-level in the major.

[2] Students will not be permitted to write a Senior Honors Thesis unless they have taken at least one advanced course on the topic on which they will be writing. Credits earned by writing a Senior Honors Thesis will not count toward the 27 minimum credits required for the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Ability to think critically about arguments.
2. Ability to interpret complex texts accurately and analyze them logically.
3. Ability to communicate precisely and concisely in both writing and speech.
4. Familiarity with the history of Western philosophy and the major debates withing that tradition.
5. Ability to be engaged citizens who think carefully and well about their responsibilities to others.
6. Ability to exchange reasons about controversial matters respectfully and with the aim of uncovering the truth.
7. Interpretative charity and intellectual honesty, which includes appropriate attribution to others of their ideas, and recognition and frankness about the limitations of one's own ideas.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communications A	3	Ethnic Sudies	3
PHILOS 101	3-4	Foreign Language (if needed)	4
PHILOS 210	3-4	I/A MATH, STAT or COMP SCI (for BS degree)	3
Physical Science Breadth	3	PHILOS 241	3-4
Foreign Language (if needed)	4	PHILOS 211 (Quantitative Reasoning B)	3-4
	14		**16**

Second Year

Fall	Credits	Spring	Credits
PHILOS 430	3-4	Communication B	4
Literature Breadth	3	PHILOS 432	3-4
Social Science Breadth	4	I/A MATH, STAT, or COMP SCI (for BS degree)	3
INTER-LS 210	1	Social Science Breadth	4
Biological Science Breadth	3		
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Metaphysics and Epistemology category course	3-4	Value Theory category course	3-4
Natural Science Breadth	3	PHILOS 400+ Electives	3-4
Literature Breadth	3	Electives	7
Electives	5		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
PHILOS Electives	3	PHILOS 500+ Electives	3

Electives	12 Electives	12
	15	**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Philosophy website (https://philosophy.wisc.edu/undergraduate-program-2/major-declaration/).

The Department of Philosophy encourages our students to begin working on their career exploration and preparation soon after arriving on campus. Philosophy students develop important and widely marketable skills, like the ability to think critically, communicate clearly, and solve complex problems. This means that having a major in Philosophy provides excellent preparation for a variety of careers.

Studying philosophy can also help you get into graduate school. Philosophy students excel on standardized tests like the GRE, GMAT, and LSAT. They rank first among all majors on the verbal and the analytical sections of the GRE. Philosophy students also tend to do better than just about any other major on the LSAT. With a mean score of just over 157, they are second only to Physics students. When it comes to the GMAT, Philosophy students rank in the top five of all majors, and they consistently have higher scores than Business students (including Management, Finance, Accounting, and Marketing).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

UNDERGRADUATE SCHOLARSHIPS

The Department of Philosophy has received generous support in order to fund two scholarships each academic year (https://philosophy.wisc.edu/undergraduate-program-2/scholarships/).

The **Charles Manthey Winter Philosophy Scholarship** is given to a student majoring in Philosophy who will graduate within the next four terms of the award and who has at least a 3.500 grade point average over the past two terms, and who can demonstrate financial need.

The **Colonel Jerome Ellis Goodrich, USMC (retired), Scholarship** is awarded to an undergraduate student majoring in Philosophy with academic merit and financial need, and who is a U.S. citizen.

Applications for these scholarships are typically due in early April and winners are honored at our annual Awards Banquet in May.

We also have an annual paper prize called the **Temkin Undergraduate Essay Prize in Value Theory**. This prize recognizes an outstanding essay in value theory, where this is construed quite broadly to include topics in political philosophy, philosophy of law, metaethics, applied ethics, etc. Essays are typically submitted in early April and the winner is also honored at our Awards Banquet.

If you have any questions about these scholarships or essay prizes, you may send an email to frontoffice@philosophy.wisc.edu.

PHYSICS

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Physics, BA (p. 1218)
- Physics, BS (p. 1225)
- Physics, Certificate (p. 1232)

PHYSICS, BA

Physics is the most fundamental of the sciences, interested in the properties of matter, radiation, and energy in all forms. It provides the underlying framework for other physical sciences and engineering and for understanding physical processes in biological and environmental sciences. The major gives you:

- Intellectual satisfaction: physics satisfies our deep desire to understand how the universe works. Physics is interesting.
- Intellectual challenge: by striving for fundamental understanding, the physicist accepts the challenge to move past a merely descriptive approach of our world and probes deeply into how and why it works.

- Physics produces new technology: today's physics research will become tomorrow's technological advances.
- Technical expertise: physicists exploit forefront technologies in their pursuits.
- Flexibility: in a fast-paced and changing world, it is much more important to have a broad substantive education than to be trained in a specific skill. We teach people how to think, and how to apply and extend what they know to new types of problems.
- Physics is analytical and quantitative: people who can reason analytically and quantitatively are essential for the success of almost any pursuit.

The Physics major will provide an overall view of both classical and modern physics with the flexibility to continue learning in fields that interest you. It will also help you develop skills in analysis, problem-solving, and quantitative reasoning that will aid you in whatever careers you choose.

WHAT YOU LEARN IN THIS MAJOR WILL:

- prepare you for graduate studies for master's or doctoral degrees in experimental or theoretical physics;.
- prepare you for employment in industrial or governmental laboratories;
- provide a broad background for further work in other sciences, such as materials sciences, aerospace, astronomy, computer science, geophysics, meteorology, radiology, medicine, biophysics, engineering, and environmental studies;
- provide a science-oriented education. This training can be useful in some areas of business administration, law, or other fields where a basic knowledge of science is useful.
- provide part of the preparation you need to teach physics. To teach physics in high school, you will also take education courses to become certified. You will need a doctoral degree to become a college or university professor.

Interested in the undergraduate physics program? Check out the Physics undergraduate page (https://www.physics.wisc.edu/academics/undergrads/).

RELATED PROGRAMS

L&S Bachelor of Science in Applied Mathematics, Engineering, and Physics (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/) (BS AMEP) in the Guide

L&S Astronomy–Physics major (https://guide.wisc.edu/undergraduate/letters-science/astronomy/astronomy-physics-ba/) in the Guide

EDUCATION–PHYSICS

A student working toward the Bachelor of Science–Education degree may major or minor in physics. Interested students should contact the School of Education (p. 1490).

MEDICAL PHYSICS

A suggested curriculum for students interested in graduate study in Medical Physics is available on the Department of Medical physics webpage (https://www.medphysics.wisc.edu/graduate-program/admissions/#requirements).

HOW TO GET IN

HOW TO GET IN

DECLARING A PHYSICS MAJOR

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit the Advising and Careers tab.
Courses required to get in	None
GPA requirements to get in	At least a 2.500 GPA on all MATH and PHYSICS courses, computed on all attempts prior to and including the first passed attempt of any course.
Credits required to get in	None
Other	None

Students pursuing the Physics major are not eligible to declare the Physics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The physics major requires 35 credits from the following:

Code	Title	Credits
Introductory Physics [1]		
First Introductory Course (complete one): [1]		*5*
PHYSICS 247	A Modern Introduction to Physics (recommended)	
PHYSICS 207	General Physics	
PHYSICS 201	General Physics	
E M A 201 & E M A 202	Statics and Dynamics [2]	
Second Introductory Course (complete one):		*5*
PHYSICS 248	A Modern Introduction to Physics (recommended)	
PHYSICS 208	General Physics	
PHYSICS 202	General Physics	
Third Introductory Course (complete one):		*3-4*
PHYSICS 249	A Modern Introduction to Physics (recommended)	
PHYSICS 205	Modern Physics for Engineers (See advising and careers for more information.)	
PHYSICS/ E C E 235	Introduction to Solid State Electronics (See advising and careers for more information.)	
PHYSICS 241	Introduction to Modern Physics	
Intermediate Mechanics		
PHYSICS 311	Mechanics	3
Electromagnetism (complete one):		**3**
PHYSICS 322	Electromagnetic Fields	
E C E 220 & E C E 320 & E C E 420	Electrodynamics I and Electrodynamics II and Electromagnetic Wave Transmission [3]	
Quantum Mechanics (complete one):		**3**
PHYSICS 448	Atomic and Quantum Physics	
PHYSICS 531	Introduction to Quantum Mechanics	
Laboratory		**4**
Full registered credit per course:		
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	
PHYSICS 407	Advanced Laboratory	
Two credits apply from each of the following:		
PHYSICS 321	Electric Circuits and Electronics [4]	
PHYSICS 325	Optics [4]	
PHYSICS 623	Electronic Aids to Measurement [4]	
PHYSICS 625	Applied Optics [4]	
ASTRON 465	Observational Astronomy and Data Analysis [5]	
N E 427	Nuclear Instrumentation Laboratory [5]	
N E 428	Nuclear Reactor Laboratory [5]	
One credit applies from each of the following:		
E C E 305	Semiconductor Properties Laboratory [5]	
E C E 313	Optoelectronics Lab [5]	
Advanced Physics Electives		**4-9**
Total Credits		**35**

[1] PHYSICS 247/PHYSICS 248/PHYSICS 249 is the introductory course sequence recommended for prospective physics majors, PHYSICS 201/PHYSICS 202/PHYSICS 241 is recommended for engineers, and PHYSICS 207/PHYSICS 208/PHYSICS 241 is intended for life sciences and chemistry majors. Both PHYSICS 201 General Physics/PHYSICS 202 General Physics/PHYSICS 241 Introduction to Modern Physics and PHYSICS 207 General Physics/PHYSICS 208 General Physics/PHYSICS 241 Introduction to Modern Physics are suitable alternatives for physics majors. Although the department recommends following one of these sequences, students are allowed to mix them, with the exception that transfers into the PHYSICS 247/PHYSICS 248/PHYSICS 249 sequence are not permitted.

[2] Both courses must be taken and together count 5 credits toward the 35 required for the major. These credits can be counted toward the 35 required for the major only if these courses are used to satisfy this requirement.

[3] All three of E C E 220 and E C E 320 and E C E 420 must be taken, and together count 3 credits toward the 35 required for the major. These credits can be counted toward the 35 required for the major only if these courses are used to satisfy this requirement.

[4] All four credits for each course count toward 35-credit total.

[5] For non-PHYSICS courses, students will receive only the credit applied as lab toward the 35-credit requirement.

ADVANCED PHYSICS ELECTIVE COURSES

Code	Title	Credits
PHYSICS 301	Physics Today (recommended) [6]	1
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	2
PHYSICS 311	Mechanics	3
PHYSICS 321	Electric Circuits and Electronics	4
PHYSICS 322	Electromagnetic Fields	3
PHYSICS 323	Electromagnetic Fields	3
PHYSICS 325	Optics	4
PHYSICS 361	Machine Learning in Physics	3
PHYSICS 406	Special Topics in Physics	1-4
PHYSICS 407	Advanced Laboratory	2-4
PHYSICS 415	Thermal Physics	3
PHYSICS 448	Atomic and Quantum Physics	3
PHYSICS 449	Atomic and Quantum Physics	3
PHYSICS 498	Directed Study	1-3
PHYSICS 499	Directed Study	1-3
PHYSICS/B M E/ H ONCOL/ MED PHYS 501	Radiation Physics and Dosimetry	3
PHYSICS/E C E/ N E 525	Introduction to Plasmas	3
PHYSICS/E C E/ N E 527	Plasma Confinement and Heating	3
PHYSICS 531	Introduction to Quantum Mechanics	3
PHYSICS 535	Introduction to Particle Physics	3
PHYSICS 545	Introduction to Atomic Structure	3
PHYSICS 551	Solid State Physics	3
PHYSICS 603	Workshop in College Physics Teaching	1-2
PHYSICS 623	Electronic Aids to Measurement	4
PHYSICS 625	Applied Optics	4
PHYSICS 681	Senior Honors Thesis	3
PHYSICS 682	Senior Honors Thesis	3
PHYSICS/ MED PHYS 688	Radiation Production and Detection	4
PHYSICS 691	Senior Thesis	2-3
PHYSICS 692	Senior Thesis	2-3

[6] It is recommended that the student's program include the seminar PHYSICS 301 Physics Today.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all PHYSICS and all major courses
- 2.000 on at least 15 credits in Upper Level work, taken in residence[7]
- 15 credits in PHYSICS, taken on campus

[7] Courses that meet the Core and Laboratory requirements, and Advanced level PHYSICS courses, count as upper-level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with their major advisor and the Honors Program.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all PHYSICS and all major courses
- 12 credits of Honors PHYSICS courses with grades of B or better, to include:
  - PHYSICS 681 - PHYSICS 682, for a total of 6 credits
  - 3 additional credits of Advanced level PHYSICS for Honors, with a grade of B or better
  - 3 credits at any level in PHYSICS for Honors, with a grade of B or better [8]

[8] Note that enrolling in PHYSICS 247/PHYSICS 248/PHYSICS 249 provides honors credit towards Honors in the Major (not at the Advanced level, however).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree — To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand basic physical principles.
2. Solve problems proficiently using both quantitative and qualitative applications of these physical principles.
3. Appreciate the excitement of physics and be acquainted with a wide range of research areas in physics.
4. Know how to perform quantitative measurements of physical phenomena and understand the statistical significance of observations made in the presence of statistical and systematic uncertainties.
5. Be prepared for graduate study and/or careers in STEM fields.
6. Communicate effectively with scientific peers and the public, both orally and in writing.
7. Understand their own learning processes and be able to continue to educate themselves after graduation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Departmental Expectations

Students should arrange a meeting with a departmental advisor as soon as they are even thinking about a physics major. It is important to get major advising as early as possible.

This is one of many paths through the physics major. For other possibilities and details on math preparation and sequence of courses, see the Advising and Careers page (https://guide.wisc.edu/undergraduate/letters-science/physics/physics-bs/#advisingandcareerstext).

First Year

Fall	Credits	Spring	Credits
MATH 222	4	PHYSICS 247	5
COMP SCI 220	4	MATH 234	4
Communication A	3	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	15		**16**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 248	5	PHYSICS 249	4
MATH 319	3	PHYSICS 311	3
MATH 340	3	PHYSICS 301	1
INTER-LS 210	1	MATH 321	3
Humanities Breadth	3	Literature Breadth	3
	15		**14**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 307	2	Physics Lab Course	4
PHYSICS 322	3	Physics Elective	3
MATH 322	3	Humanities Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Communication B	3-4	Biological Science Breadth	3
	14		**16**

Fourth Year

Fall	Credits	Spring	Credits
PHYSICS 448	3	PHYSICS 449	3
Physics Elective	3	PHYSICS 415	3
Social Science Breadth	3	Literature Breadth	3
Humanities Breadth	3	Humanities Breadth	3
Biological Science Breadth	3	Social Science Breadth	3
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

Departmental Expectations

This three-year degree plan is feasible for students with a minimum of 30 advanced standing credits and who have satisfied the following requirements with course credit or via placement examination:

- MATH 221 Calculus and Analytic Geometry 1
- MATH 222 Calculus and Analytic Geometry 2
- 3-4 units of foreign language

Therefore, this three-year plan can either be for those who completed these requirements in their first year or for students immediately starting with those requirements and who wish to take more advanced electives in their final year.

First Year

Fall	Credits	Spring	Credits
PHYSICS 247	5	PHYSICS 248	5
MATH 234	4	MATH 319	3
Communication A	3	MATH 340	3
Social Science Breadth	4	INTER-LS 210	1
		Humanities Breadth w/ Ethnic Studies	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 249	4	PHYSICS 322	3
PHYSICS 311	3	PHYSICS 307	2
MATH 321	3	MATH 322	3
Humanities Breadth	3	PHYSICS 301	1
Literature Breadth	3	Social Science Breadth	4
		Biological Science Breadth	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 448	3	PHYSICS 449	3
PHYSICS 415	3	Physics Lab Course	4
Communication B	3	Social Science Breadth	4
Literature Breadth	3	Elective	1
Biological Science Breadth	3		
	15		**12**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Follow the process described in the Department of Physics website (https://physics.wisc.edu/undergraduate/).

Talk with a Physics advisor: send an email to physics-advisors@wisc.edu or schedule an appointment with Evan Heintz (MyUW Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule)).

ADVISING FOR ADMITTED STUDENTS

Assistance choosing courses is available for students enrolling during Student Orientation, Advising, and Registration (SOAR (https://soar.wisc.edu/)): contact Evan Heintz, eheintz@wisc.edu or Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule).

CAREER EXPLORATION

A good starting point for exploring careers is PHYSICS 301 Physics Today. This course, offered in Spring semesters, includes a weekly talk where a research topic is discussed by one of the Physics or Astronomy faculty.

SuccessWorks has also created the extremely helpful Physics-specific "What Can You Do with Your Major" (https://successworks.wisc.edu/what-you-can-do-with-your-major/) Skills & Outcomes Sheet. Explore the major's transferable skills, alumni job titles, frequent employers of the major, and words of advice from alumni who have found success following their passions.

The Department of Physics website has a current list of research opportunities (https://www.physics.wisc.edu/undergraduate/student-resources/#research-opportunities) with our faculty, and other physics-related student jobs (https://www.physics.wisc.edu/undergraduate/student-resources/#other-job-opportunities) on campus.

RECOMMENDED ADDITIONAL COURSES

MATHEMATICS

Please consult with a Physics advisor before choosing your Mathematics courses.

Specific Mathematics courses are prerequisites for the major's Physics courses. A typical math sequence is: MATH 221 Calculus and Analytic Geometry 1, MATH 222 Calculus and Analytic Geometry 2, MATH 234 Calculus--Functions of Several Variables, MATH 319 Techniques in Ordinary Differential Equations, MATH 340 Elementary Matrix and Linear Algebra, MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus, and MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations. MATH 320 Linear Algebra and Differential Equations is an alternative course that Physics students may choose instead of taking both MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra.

Students also majoring in Mathematics may have a different recommended set. We do not recommend the MATH honors sequences for Physics students unless you are considering a second major in Mathematics.

- MATH 221 Calculus and Analytic Geometry 1: A prerequisite for PHYSICS 247 A Modern Introduction to Physics, PHYSICS 207 General Physics, and PHYSICS 201 General Physics.
- MATH 222 Calculus and Analytic Geometry 2: A prerequisite for PHYSICS 247 A Modern Introduction to Physics but can be taken concurrently.
- MATH 234 Calculus--Functions of Several Variables: MATH 234 Calculus--Functions of Several Variables is a prerequisite for PHYSICS 248 A Modern Introduction to Physics but can be taken concurrently. If you are not taking the PHYSICS 247 A Modern Introduction to Physics + PHYSICS 248 A Modern Introduction to Physics + PHYSICS 249 A Modern Introduction to Physics introductory sequence, you will still need this course for PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields.

- MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra: You are strongly advised to take these courses before you take PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields .

- MATH 320 Linear Algebra and Differential Equations: This course combines topics from MATH 319 and MATH 340. It is adequate for the rest of our undergraduate physics curriculum but is not recommended for those planning for graduate school. There is an accelerated honors section that thoroughly covers all of the material in MATH 319 and MATH 340. It is more challenging but is a good way to fit in both topics if you are unable to take MATH 319 + MATH 340 before you take PHYSICS 311 or PHYSICS 322.

- MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus: For students interested in more abstract math, taking MATH 521 Analysis I would be equivalent. It is recommended that MATH 321 be taken before PHYSICS 322 Electromagnetic Fields but especially before you take either PHYSICS 448 Atomic and Quantum Physics or PHYSICS 531 Introduction to Quantum Mechanics. Students may want to check with the academic advisor before enrolling in this course to confirm they have enough time and attention in a specific term.

- MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations: MATH 321 and MATH 322 are recommended for those planning for graduate school in Physics.

Computer and Data Science

Computers are fundamental to astronomical research. The most useful language is Python, followed by C or C++. COMP SCI 220 Data Science Programming I is a good starting point for learning Python.

Students interested in data science and machine learning are also recommended to take PHYSICS 361 Machine Learning in Physics.

Chemistry

A college course in chemistry is useful for all Physics students, but not required.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

PHYSICS CLUB

The Society of Physics Students (https://win.wisc.edu/organization/physicsclub/), the Physics Club, is a student organization for people interested in physics and related fields.

The Physics Club organizes events such as seminars, tours, trips, and socials for its members. In the the past, we have taken a field trip to Fermilab and have frequently gathered for social events such as ice skating, movie night, and bowling. Physics Club volunteers also offer free drop-in tutoring to students in introductory physics and astronomy classes. In addition, we maintain subscriptions to science-related magazines such as *Scientific American*, *Astronomy*, and *Physics Today*, which are kept in the club's room located at 2328 Chamberlin Hall.

By joining the Physics Club you'll be meeting many physics majors, who are, in general, really cool people to hang out with. If you are thinking about declaring a Physics major, this is the place to come for helpful advice about taking classes and finding an undergraduate job in the physics department. If you join, you can get access to the Physics Club room. Joining also adds you to the club email list, so you can be notified about club-sponsored events.

To join, email physics.society.wisc@gmail.com or drop by Room 2328 Chamberlin Hall and pick up a membership form. Turn in a completed form with your annual dues to a Physics Club officer.

GENDER MINORITIES AND WOMEN IN PHYSICS

Gender Minorities and Women in Physics (https://gmawip.physics.wisc.edu/) (GMaWiP) is a student organization open to undergraduates for the support and promotion of gender minorities and women in physics at UW–Madison. We provide both professional development and support for women and gender minorities in physics at every step in their careers by taking concrete actions through career development, mentorship, fellowship, and outreach.

We also advocate for other minorities in physics, including, but not limited to students of color, students with disability status, low-income students, and LGBT+ students. The group hosts social events aimed at building a sense of community among the members.

Undergraduate Mentorship Program

GMaWiP provides a mentorship program for undergraduate students. This program connects the undergraduate with a graduate student who will advise and mentor the undergraduate as they work to obtain their degree. If you are interested in this mentorship program or are interested in getting involved with GMaWiP, please contact the undergraduate advisor.

BLACK AND BROWN IN PHYSICS

Black and Brown in Physics (https://bbip.physics.wisc.edu/) (BBiP) is a student organization that creates a safe and welcoming community for the Black and Brown people within physics and physics-adjacent! BBIP hosts general meetings, heritage-based events, and by inviting Black and Brown physicists, educators, and historians to provide talks for both the

organization and the Physics department. To get involved, please email bbipuw@gmail.com.

PHYSICS LEARNING CENTER

The Physics Learning Center: Striving to help all students succeed in Physics.
• Do you enjoy Physics?
• Are you patient?
• Do you like to teach?
• Would you like to help other undergraduate students?

The Physics Learning Center has job opportunities for Physics undergraduates as peer mentor tutors, to help others learn physics and new ways to solve physics problems.

The Physics Learning Center provides supplemental instruction and a supportive learning environment to students in large challenging introductory physics courses. They include algebra-based PHYSICS 103 General Physics + PHYSICS 104 General Physics and calculus-based PHYSICS 207 General Physics + PHYSICS 208 General Physics, which are requisites for many STEM majors and pre-health professional pathways. The majority of students in these classes are not majoring in Physics.

Peer mentor tutors lead a learning team twice a week helping students build a conceptual framework to solve a variety of physics problems. The Physics Learning Center strives to create a supportive learning environment to help students gain skills, increase confidence, and meet potential study partners.

Peer mentor tutors receive extensive training in teaching physics and in general pedagogy. Tutors meet with a Physics Learning Center staff member each week to discuss strategies for teaching course content, including how to use teaching materials that stress conceptual understanding. In addition, peer mentor tutors from all courses meet as a group for a weekly teaching seminar to discuss issues such as group dynamics, techniques for actively involving students in learning, helping students to prepare for exams, raising awareness of diversity in student experiences, resources on campus, etc.

Our peer mentor tutors report that they greatly enjoy working with their students. In the process, they strengthen their own foundation in physics and presentation skills. They also tell us that teaching physics helps to review for the Graduate Record Exam and to prepare for post-graduate teaching in middle/high school or as a university teaching assistant.

Peer mentor tutors are a mix of students majoring in Physics, Astronomy–Physics, secondary science education, and engineering, as well as from other majors. This is a paid position taking about eight hours per week that includes learning team time, content and pedagogy meetings, reviews before exams, and time to prepare for teaching.

To find out more about the PLC Peer Mentor Tutor Program, please contact us.

Physics Learning Center

2337/2338 Chamberlin Hall
Susan Nossal | nossal@physics.wisc.edu |
608-262-9107

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students majoring in Physics may be eligible for department scholarships (https://www.physics.wisc.edu/department/awards/apply/).

PHYSICS, BS

Physics is the most fundamental of the sciences, interested in the properties of matter, radiation, and energy in all forms. It provides the underlying framework for other physical sciences and engineering and for understanding physical processes in biological and environmental sciences. The major gives you:

- Intellectual satisfaction: physics satisfies our deep desire to understand how the universe works. Physics is interesting.
- Intellectual challenge: by striving for fundamental understanding, the physicist accepts the challenge to move past a merely descriptive approach of our world and probes deeply into how and why it works.
- Physics produces new technology: today's physics research will become tomorrow's technological advances.
- Technical expertise: physicists exploit forefront technologies in their pursuits.
- Flexibility: in a fast-paced and changing world, it is much more important to have a broad substantive education than to be trained in a specific skill. We teach people how to think, and how to apply and extend what they know to new types of problems.
- Physics is analytical and quantitative: people who can reason analytically and quantitatively are essential for the success of almost any pursuit.

The Physics major will provide an overall view of both classical and modern physics with the flexibility to continue learning in fields that interest you. It will also help you develop skills in analysis, problem-solving, and quantitative reasoning that will aid you in whatever careers you choose.

WHAT YOU LEARN IN THIS MAJOR WILL:

- prepare you for graduate studies for master's or doctoral degrees in experimental or theoretical physics;.
- prepare you for employment in industrial or governmental laboratories;
- provide a broad background for further work in other sciences, such as materials sciences, aerospace, astronomy, computer science, geophysics, meteorology, radiology, medicine, biophysics, engineering, and environmental studies;
- provide a science-oriented education. This training can be useful in some areas of business administration, law, or other fields where a basic knowledge of science is useful.
- provide part of the preparation you need to teach physics. To teach physics in high school, you will also take education courses to become certified. You will need a doctoral degree to become a college or university professor.

Interested in the undergraduate physics program? Check out the Physics undergraduate page (https://www.physics.wisc.edu/academics/undergrads/).

RELATED PROGRAMS

L&S Bachelor of Science in Applied Mathematics, Engineering, and Physics (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/) (BS AMEP) in the Guide

L&S Astronomy–Physics major (https://guide.wisc.edu/undergraduate/letters-science/astronomy/astronomy-physics-ba/) in the Guide

EDUCATION–PHYSICS

A student working toward the Bachelor of Science–Education degree may major or minor in physics. Interested students should contact the School of Education (p. 1490).

MEDICAL PHYSICS

A suggested curriculum for students interested in graduate study in Medical Physics is available on the Department of Medical physics webpage (https://www.medphysics.wisc.edu/graduate-program/admissions/#requirements).

HOW TO GET IN

HOW TO GET IN

DECLARING A PHYSICS MAJOR

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit the Advising and Careers tab.
Courses required to get in	None
GPA requirements to get in	At least a 2.500 GPA on all MATH and PHYSICS courses, computed on all attempts prior to and including the first passed attempt of any course.
Credits required to get in	None
Other	None

Students pursuing the Physics major are not eligible to declare the Physics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The physics major requires 35 credits from the following:

Code	Title	Credits
Introductory Physics [1]		
First Introductory Course (complete one): [1]		*5*
PHYSICS 247	A Modern Introduction to Physics (recommended)	
PHYSICS 207	General Physics	
PHYSICS 201	General Physics	
E M A 201 & E M A 202	Statics and Dynamics [2]	
Second Introductory Course (complete one):		*5*
PHYSICS 248	A Modern Introduction to Physics (recommended)	
PHYSICS 208	General Physics	
PHYSICS 202	General Physics	
Third Introductory Course (complete one):		*3-4*
PHYSICS 249	A Modern Introduction to Physics (recommended)	
PHYSICS 205	Modern Physics for Engineers (See advising and careers for more information.)	
PHYSICS/ E C E 235	Introduction to Solid State Electronics (See advising and careers for more information.)	
PHYSICS 241	Introduction to Modern Physics	
Intermediate Mechanics		
PHYSICS 311	Mechanics	3
Electromagnetism (complete one):		**3**
PHYSICS 322	Electromagnetic Fields	
E C E 220 & E C E 320 & E C E 420	Electrodynamics I and Electrodynamics II and Electromagnetic Wave Transmission [3]	
Quantum Mechanics (complete one):		**3**
PHYSICS 448	Atomic and Quantum Physics	
PHYSICS 531	Introduction to Quantum Mechanics	
Laboratory		**4**
Full registered credit per course:		
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	
PHYSICS 407	Advanced Laboratory	
Two credits apply from each of the following:		
PHYSICS 321	Electric Circuits and Electronics [4]	
PHYSICS 325	Optics [4]	
PHYSICS 623	Electronic Aids to Measurement [4]	
PHYSICS 625	Applied Optics [4]	
ASTRON 465	Observational Astronomy and Data Analysis [5]	
N E 427	Nuclear Instrumentation Laboratory [5]	
N E 428	Nuclear Reactor Laboratory [5]	
One credit applies from each of the following:		
E C E 305	Semiconductor Properties Laboratory [5]	
E C E 313	Optoelectronics Lab [5]	
Advanced Physics Electives		**4-9**
Total Credits		**35**

1. PHYSICS 247/PHYSICS 248/PHYSICS 249 is the introductory course sequence recommended for prospective physics majors, PHYSICS 201/PHYSICS 202/PHYSICS 241 is recommended for engineers, and PHYSICS 207/PHYSICS 208/PHYSICS 241 is intended for life sciences and chemistry majors. Both PHYSICS 201 General Physics/PHYSICS 202 General Physics/PHYSICS 241 Introduction to Modern Physics and PHYSICS 207 General Physics/PHYSICS 208 General Physics/PHYSICS 241 Introduction to Modern Physics are suitable alternatives for physics majors. Although the department recommends following one of these sequences, students are allowed to mix them, with the exception that transfers into the PHYSICS 247/PHYSICS 248/PHYSICS 249 sequence are not permitted.
2. Both courses must be taken and together count 5 credits toward the 35 required for the major. These credits can be counted toward the 35 required for the major only if these courses are used to satisfy this requirement.
3. All three of E C E 220 and E C E 320 and E C E 420 must be taken, and together count 3 credits toward the 35 required for the major. These credits can be counted toward the 35 required for the major only if these courses are used to satisfy this requirement.
4. All four credits for each course count toward 35-credit total.
5. For non-PHYSICS courses, students will receive only the credit applied as lab toward the 35-credit requirement.

ADVANCED PHYSICS ELECTIVE COURSES

Code	Title	Credits
PHYSICS 301	Physics Today (recommended) [6]	1
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	2
PHYSICS 311	Mechanics	3
PHYSICS 321	Electric Circuits and Electronics	4
PHYSICS 322	Electromagnetic Fields	3
PHYSICS 323	Electromagnetic Fields	3
PHYSICS 325	Optics	4
PHYSICS 361	Machine Learning in Physics	3
PHYSICS 406	Special Topics in Physics	1-4
PHYSICS 407	Advanced Laboratory	2-4
PHYSICS 415	Thermal Physics	3
PHYSICS 448	Atomic and Quantum Physics	3
PHYSICS 449	Atomic and Quantum Physics	3
PHYSICS 498	Directed Study	1-3
PHYSICS 499	Directed Study	1-3

PHYSICS/B M E/ H ONCOL/ MED PHYS 501	Radiation Physics and Dosimetry	3
PHYSICS/E C E/ N E 525	Introduction to Plasmas	3
PHYSICS/E C E/ N E 527	Plasma Confinement and Heating	3
PHYSICS 531	Introduction to Quantum Mechanics	3
PHYSICS 535	Introduction to Particle Physics	3
PHYSICS 545	Introduction to Atomic Structure	3
PHYSICS 551	Solid State Physics	3
PHYSICS 603	Workshop in College Physics Teaching	1-2
PHYSICS 623	Electronic Aids to Measurement	4
PHYSICS 625	Applied Optics	4
PHYSICS 681	Senior Honors Thesis	3
PHYSICS 682	Senior Honors Thesis	3
PHYSICS/ MED PHYS 688	Radiation Production and Detection	4
PHYSICS 691	Senior Thesis	2-3
PHYSICS 692	Senior Thesis	2-3

[6] It is recommended that the student's program include the seminar PHYSICS 301 Physics Today.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all PHYSICS and all major courses
- 2.000 on at least 15 credits in Upper Level work, taken in residence[7]
- 15 credits in PHYSICS, taken on campus

[7] Courses that meet the Core and Laboratory requirements, and Advanced level PHYSICS courses, count as upper-level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with their major advisor and the Honors Program.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all PHYSICS and all major courses
- 12 credits of Honors PHYSICS courses with grades of B or better, to include:
  - PHYSICS 681 - PHYSICS 682, for a total of 6 credits
  - 3 additional credits of Advanced level PHYSICS for Honors, with a grade of B or better
  - 3 credits at any level in PHYSICS for Honors, with a grade of B or better [8]

[8] Note that enrolling in PHYSICS 247/PHYSICS 248/PHYSICS 249 provides honors credit towards Honors in the Major (not at the Advanced level, however).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand basic physical principles.
2. Solve problems proficiently using both quantitative and qualitative applications of these physical principles.
3. Appreciate the excitement of physics and be acquainted with a wide range of research areas in physics.
4. Know how to perform quantitative measurements of physical phenomena and understand the statistical significance of observations made in the presence of statistical and systematic uncertainties.
5. Be prepared for graduate study and/or careers in STEM fields.
6. Communicate effectively with scientific peers and the public, both orally and in writing.
7. Understand their own learning processes and be able to continue to educate themselves after graduation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic

advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Departmental Expectations

Students should arrange a meeting with a departmental advisor as soon as they are even thinking about a physics major. It is important to get major advising as early as possible.

This is one of many paths through the physics major. For other possibilities and details on math preparation and sequence of courses, see the Advising and Careers page (https://guide.wisc.edu/undergraduate/letters-science/physics/physics-bs/#advisingandcareerstext).

First Year

Fall	Credits	Spring	Credits
MATH 222	4	PHYSICS 247	5
COMP SCI 220	4	MATH 234	4
Communication A	3	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	15		**16**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 248	5	PHYSICS 249	4
MATH 319	3	PHYSICS 311	3
MATH 340	3	PHYSICS 301	1
INTER-LS 210	1	MATH 321	3
Humanities Breadth	3	Literature Breadth	3
	15		**14**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 307	2	Physics Lab Course	4
PHYSICS 322	3	Physics Elective	3
MATH 322	3	Humanities Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Communication B	3-4	Biological Science Breadth	3
	14		**16**

Fourth Year

Fall	Credits	Spring	Credits
PHYSICS 448	3	PHYSICS 449	3
Physics Elective	3	PHYSICS 415	3
Social Science Breadth	3	Literature Breadth	3
Humanities Breadth	3	Humanities Breadth	3
Biological Science Breadth	3	Social Science Breadth	3
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

Departmental Expectations

This three-year degree plan is feasible for students with a minimum of 30 advanced standing credits and who have satisfied the following requirements with course credit or via placement examination:

- MATH 221 Calculus and Analytic Geometry 1
- MATH 222 Calculus and Analytic Geometry 2
- 3-4 units of foreign language

Therefore, this three-year plan can either be for those who completed these requirements in their first year or for students immediately starting with those requirements and who wish to take more advanced electives in their final year.

First Year

Fall	Credits	Spring	Credits
PHYSICS 247	5	PHYSICS 248	5
MATH 234	4	MATH 319	3
Communication A	3	MATH 340	3
Social Science Breadth	4	INTER-LS 210	1
		Humanities Breadth w/ Ethnic Studies	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
PHYSICS 249	4	PHYSICS 322	3
PHYSICS 311	3	PHYSICS 307	2
MATH 321	3	MATH 322	3
Humanities Breadth	3	PHYSICS 301	1
Literature Breadth	3	Social Science Breadth	4
		Biological Science Breadth	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
PHYSICS 448	3	PHYSICS 449	3
PHYSICS 415	3	Physics Lab Course	4
Communication B	3-4	Social Science Breadth	4
Literature Breadth	3	Elective	1
Biological Science Breadth	3		
	15		**12**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THE MAJOR

Follow the process described in the Department of Physics website (https://physics.wisc.edu/undergraduate/).

Talk with a Physics advisor: send an email to physics-advisors@wisc.edu or schedule an appointment with Evan Heintz (MyUW Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule)).

ADVISING FOR ADMITTED STUDENTS

Assistance choosing courses is available for students enrolling during Student Orientation, Advising, and Registration (SOAR (https://soar.wisc.edu/)): contact Evan Heintz, eheintz@wisc.edu or Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/38989/schedule).

CAREER EXPLORATION

A good starting point for exploring careers is PHYSICS 301 Physics Today. This course, offered in Spring semesters, includes a weekly talk where a research topic is discussed by one of the Physics or Astronomy faculty.

SuccessWorks has also created the extremely helpful Physics-specific "What Can You Do with Your Major" (https://successworks.wisc.edu/what-you-can-do-with-your-major/) Skills & Outcomes Sheet. Explore the major's transferable skills, alumni job titles, frequent employers of the major, and words of advice from alumni who have found success following their passions.

The Department of Physics website has a current list of research opportunities (https://www.physics.wisc.edu/undergraduate/student-resources/#research-opportunities) with our faculty, and other physics-related student jobs (https://www.physics.wisc.edu/undergraduate/student-resources/#other-job-opportunities) on campus.

RECOMMENDED ADDITIONAL COURSES

MATHEMATICS

Please consult with a Physics advisor before choosing your Mathematics courses.

Specific Mathematics courses are prerequisites for the major's Physics courses. A typical math sequence is: MATH 221 Calculus and Analytic Geometry 1, MATH 222 Calculus and Analytic Geometry 2, MATH 234 Calculus--Functions of Several Variables, MATH 319 Techniques in Ordinary Differential Equations, MATH 340 Elementary Matrix and Linear Algebra, MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus, and MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations. MATH 320 Linear Algebra and Differential Equations is an alternative course that Physics students may choose instead of taking both MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra.

Students also majoring in Mathematics may have a different recommended set. We do not recommend the MATH honors sequences for Physics students unless you are considering a second major in Mathematics.

- MATH 221 Calculus and Analytic Geometry 1: A prerequisite for PHYSICS 247 A Modern Introduction to Physics, PHYSICS 207 General Physics, and PHYSICS 201 General Physics.
- MATH 222 Calculus and Analytic Geometry 2: A prerequisite for PHYSICS 247 A Modern Introduction to Physics but can be taken concurrently.
- MATH 234 Calculus--Functions of Several Variables: MATH 234 Calculus--Functions of Several Variables is a prerequisite for PHYSICS 248 A Modern Introduction to Physics but can be taken concurrently. If you are not taking the PHYSICS 247 A Modern Introduction to Physics + PHYSICS 248 A Modern Introduction to Physics + PHYSICS 249 A Modern Introduction to Physics introductory sequence, you will still need this course for PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields.
- MATH 319 Techniques in Ordinary Differential Equations and MATH 340 Elementary Matrix and Linear Algebra: You are strongly advised to take these courses before you take PHYSICS 311 Mechanics and PHYSICS 322 Electromagnetic Fields .
- MATH 320 Linear Algebra and Differential Equations: This course combines topics from MATH 319 and MATH 340. It is adequate for the rest of our undergraduate physics curriculum but is not recommended for those planning for graduate school. There is an accelerated honors section that thoroughly covers all of the material in MATH 319 and MATH 340. It is more challenging but is a good way to fit in both topics if you are unable to take MATH 319 + MATH 340 before you take PHYSICS 311 or PHYSICS 322.
- MATH 321 Applied Mathematical Analysis 1: Vector and Complex Calculus: For students interested in more abstract math, taking MATH 521 Analysis I would be equivalent. It is recommended that MATH 321 be taken before PHYSICS 322 Electromagnetic Fields but especially before you take either PHYSICS 448 Atomic and Quantum Physics or PHYSICS 531 Introduction to Quantum Mechanics. Students may want to check with the academic advisor before enrolling in this course to confirm they have enough time and attention in a specific term.
- MATH 322 Applied Mathematical Analysis 2: Partial Differential Equations: MATH 321 and MATH 322 are recommended for those planning for graduate school in Physics.

Computer and Data Science

Computers are fundamental to astronomical research. The most useful language is Python, followed by C or C++. COMP SCI 220 Data Science Programming I is a good starting point for learning Python.

Students interested in data science and machine learning are also recommended to take PHYSICS 361 Machine Learning in Physics.

Chemistry

A college course in chemistry is useful for all Physics students, but not required.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

PHYSICS CLUB

The Society of Physics Students (https://win.wisc.edu/organization/physicsclub/), the Physics Club, is a student organization for people interested in physics and related fields.

The Physics Club organizes events such as seminars, tours, trips, and socials for its members. In the the past, we have taken a field trip to Fermilab and have frequently gathered for social events such as ice skating, movie night, and bowling. Physics Club volunteers also offer free drop-in tutoring to students in introductory physics and astronomy classes. In addition, we maintain subscriptions to science-related magazines such as *Scientific American*, *Astronomy*, and *Physics Today*, which are kept in the club's room located at 2328 Chamberlin Hall.

By joining the Physics Club you'll be meeting many physics majors, who are, in general, really cool people to hang out with. If you are thinking about declaring a Physics major, this is the place to come for helpful advice about taking classes and finding an undergraduate job in the physics department. If you join, you can get access to the Physics Club room. Joining also adds you to the club email list, so you can be notified about club-sponsored events.

To join, email physics.society.wisc@gmail.com or drop by Room 2328 Chamberlin Hall and pick up a membership form. Turn in a completed form with your annual dues to a Physics Club officer.

GENDER MINORITIES AND WOMEN IN PHYSICS

Gender Minorities and Women in Physics (https://gmawip.physics.wisc.edu/) (GMaWiP) is a student organization open to undergraduates for the support and promotion of gender minorities and women in physics at UW–Madison. We provide both professional development and support for women and gender minorities in physics at every step in their careers by taking concrete actions through career development, mentorship, fellowship, and outreach.

We also advocate for other minorities in physics, including, but not limited to students of color, students with disability status, low-income students, and LGBT+ students. The group hosts social events aimed at building a sense of community among the members.

Undergraduate Mentorship Program

GMaWiP provides a mentorship program for undergraduate students. This program connects the undergraduate with a graduate student who will advise and mentor the undergraduate as they work to obtain their degree. If you are interested in this mentorship program or are interested in getting involved with GMaWiP, please contact the undergraduate advisor.

BLACK AND BROWN IN PHYSICS

Black and Brown in Physics (https://bbip.physics.wisc.edu/) (BBiP) is a student organization that creates a safe and welcoming community for the Black and Brown people within physics and physics-adjacent! BBIP hosts general meetings, heritage-based events, and by inviting Black and Brown physicists, educators, and historians to provide talks for both the organization and the Physics department. To get involved, please email bbipuw@gmail.com.

PHYSICS LEARNING CENTER

The Physics Learning Center: Striving to help all students succeed in Physics.
• Do you enjoy Physics?
• Are you patient?
• Do you like to teach?
• Would you like to help other undergraduate students?

The Physics Learning Center has job opportunities for Physics undergraduates as peer mentor tutors, to help others learn physics and new ways to solve physics problems.

The Physics Learning Center provides supplemental instruction and a supportive learning environment to students in large challenging introductory physics courses. They include algebra-based PHYSICS 103 General Physics + PHYSICS 104 General Physics and calculus-based PHYSICS 207 General Physics + PHYSICS 208 General Physics, which are requisites for many STEM majors and pre-health professional pathways. The majority of students in these classes are not majoring in Physics.

Peer mentor tutors lead a learning team twice a week helping students build a conceptual framework to solve a variety of physics problems. The Physics Learning Center strives to create a supportive learning environment to help students gain skills, increase confidence, and meet potential study partners.

Peer mentor tutors receive extensive training in teaching physics and in general pedagogy. Tutors meet with a Physics Learning Center staff member each week to discuss strategies for teaching course content, including how to use teaching materials that stress conceptual understanding. In addition, peer mentor tutors from all courses meet as a group for a weekly teaching seminar to discuss issues such as group dynamics, techniques for actively involving students in learning, helping students to prepare for exams, raising awareness of diversity in student experiences, resources on campus, etc.

Our peer mentor tutors report that they greatly enjoy working with their students. In the process, they strengthen their own foundation in physics and presentation skills. They also tell us that teaching physics helps to

review for the Graduate Record Exam and to prepare for post-graduate teaching in middle/high school or as a university teaching assistant.

Peer mentor tutors are a mix of students majoring in Physics, Astronomy–Physics, secondary science education, and engineering, as well as from other majors. This is a paid position taking about eight hours per week that includes learning team time, content and pedagogy meetings, reviews before exams, and time to prepare for teaching.

To find out more about the PLC Peer Mentor Tutor Program, please contact us.

Physics Learning Center

2337/2338 Chamberlin Hall
Susan Nossal | nossal@physics.wisc.edu |
608-262-9107

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Students majoring in Physics may be eligible for department scholarships (https://www.physics.wisc.edu/department/awards/apply/).

PHYSICS, CERTIFICATE

An understanding of the physical universe informs many disciplines. The study of physics is essential to understanding nature and to advancing technology. A certificate in Physics increases the opportunities for students to become better informed on technological issues at the local, state, national, and international levels.

The certificate is designed to serve students majoring in biological fields, Chemistry, or Mathematics, Engineering, Education and other fields who wish to extend their study of physics beyond what may be required or recommended for their major.

HOW TO GET IN

HOW TO GET IN

To declare a certificate in physics, students must fill out a major/certificate declaration form. An undergraduate physics advisor must sign the form. The form to declare the certificate can be obtained at the Physics departmental office. All undergraduate students are eligible to declare the certificate, except those declared in the following majors:

- Physics,
- Astronomy-Physics, and
- Applied Mathematics, Engineering, and Physics (AMEP)

REQUIREMENTS

REQUIREMENTS

The physics certificate requires 18 credits of Intermediate or Advanced-level undergraduate PHYSICS courses, with the following restrictions:

- At least 9 of the credits must be in residence.
- At most one course from each of the three semesters of an introductory sequence can be counted.
- At most 3 credits of directed study can be counted.
- Only graded courses may be used toward the certificate.
- A minimum grade point average of 2.000 is required in all certificate courses.

Code	Title	Credits
First Introductory Course (complete only one):		**5**
PHYSICS 247	A Modern Introduction to Physics (recommended)	
PHYSICS 207	General Physics	
PHYSICS 201	General Physics	
E M A 201 & E M A 202	Statics and Dynamics [1]	
Second Introductory Course (complete only one):		**5**
PHYSICS 248	A Modern Introduction to Physics (recommended) [2]	
PHYSICS 208	General Physics	
PHYSICS 202	General Physics	
Third Introductory Course (complete only one):		**3-4**
PHYSICS 249	A Modern Introduction to Physics (recommended) [2]	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
PHYSICS 241	Introduction to Modern Physics	
Directed Study (optional, maximum 3 credits)		**0-3**
PHYSICS 299	Directed Study	
PHYSICS 499	Directed Study	
PHYSICS 681	Senior Honors Thesis	
PHYSICS 682	Senior Honors Thesis	
PHYSICS 691	Senior Thesis	
PHYSICS 692	Senior Thesis	
Additional Intermediate and Advanced PHYSICS courses		**1-5**
PHYSICS/ MED PHYS 265	Introduction to Medical Physics	
PHYSICS 301	Physics Today	
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	
PHYSICS 311	Mechanics	
PHYSICS 321	Electric Circuits and Electronics	
PHYSICS 322	Electromagnetic Fields	
PHYSICS 323	Electromagnetic Fields	
PHYSICS 325	Optics	
PHYSICS 361	Machine Learning in Physics	
PHYSICS 371	Acoustics for Musicians	
PHYSICS 406	Special Topics in Physics	
PHYSICS 407	Advanced Laboratory	
PHYSICS 415	Thermal Physics	
PHYSICS 448	Atomic and Quantum Physics	
PHYSICS 449	Atomic and Quantum Physics	

PHYSICS/B M E/ H ONCOL/ MED PHYS 501	Radiation Physics and Dosimetry
PHYSICS/E C E/ N E 525	Introduction to Plasmas
PHYSICS/E C E/ N E 527	Plasma Confinement and Heating
PHYSICS 531	Introduction to Quantum Mechanics
PHYSICS 535	Introduction to Particle Physics
PHYSICS 545	Introduction to Atomic Structure
PHYSICS 551	Solid State Physics
PHYSICS/B M E/ MED PHYS/ PHMCOL-M/ RADIOL 619	Microscopy of Life
PHYSICS 623	Electronic Aids to Measurement
PHYSICS 625	Applied Optics
PHYSICS/ MED PHYS 688	Radiation Production and Detection
Total Credits	**18**

[1] A maximum of 5 credits from E M A 201 and E M A 202 count toward the 18 credits required for the certificate.

[2] Students may not transfer into the PHYSICS 247 - PHYSICS 248 - PHYSICS 249 sequence from another introductory sequence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand basic physical principles.
2. Solve problems proficiently using both quantitative and qualitative applications of these physical principles.
3. Know how to perform quantitative measurements of physical phenomena and understand the statistical significance of observations made in the presence of statistical and systematic uncertainties.
4. Be prepared for graduate study and/or careers in STEM fields.
5. Communicate effectively with scientific peers and the public, both orally and in writing.

ADVISING AND CAREERS

ADVISING AND CAREERS

PHYSICS UNDERGRADUATE ADVISORS

Evan Heintz
Professor Tulika Bose
Professor Deniz Yavuz

Scheduling an Advising Appointment with a Physics Major Advisor

To meet with a Physics major advisor, you may either email physics-advisors@wisc.edu or contact them directly.

Read more at physics.wisc.edu/undergraduate/certificate-in-physics (https://physics.wisc.edu/undergraduate/certificate-in-physics/)

SUCCESSWORKS

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PLANNING AND LANDSCAPE ARCHITECTURE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Integrative Design of Built and Natural Environments, Certificate (p. 1233)
- Landscape and Urban Studies, BA (p. 1235)
- Landscape and Urban Studies, BS (p. 1240)
- Landscape Architecture, BLA (p. 1245)

INTEGRATIVE DESIGN OF BUILT AND NATURAL ENVIRONMENTS, CERTIFICATE

The Certificate in Integrative Design of Built and Natural Environments, offered through the Department of Planning and Landscape Architecture, is focused around an exciting transdisciplinary design approach that relies on design processes and thinking. It integrates spatial data technologies to effectively and efficiently inventory, represent, analyze, evaluate, and

communicate planning and design alternatives for landscapes, cities, and regions.

Proactively codesigning and coproducing healthy places comprehends, plans, and acts on social and environmental information and, therefore, a diverse suite of elective courses addresses social and environmental considerations through stakeholder engagement, environmental justice, policy, conservation, and management. Required courses will apply spatial technologies (GIS, Geodesign) to enable collaborations among the design professions (landscape architects, planners, engineers, and scientists and humanists from various disciplines), and community members. This collaborative process will help prepare you to work in interdisciplinary teams and to appreciate diverse perspectives and values while addressing complex problems.

HOW TO GET IN

HOW TO GET IN

Undergraduate students from across campus are encouraged to consider completing the Certificate. To declare the Certificate in Integrative Design of Built and Natural Environments through the Department of Planning and Landscape Architecture, students must have completed at least one class that meets Certificate requirements, or be enrolled in at least one class in the current or upcoming semester that meets Certificate requirements. Students pursuing the program are encouraged to declare as early as possible so that they can best align the coursework with their interests. Students can declare the program by scheduling an appointment with the Department of Planning and Landscape Architecture Undergraduate Academic Advising Manager, or by filling out the online declaration form on the Department of Planning and Landscape Architecture website.

Students declared in the certificate should plan to complete the program before, or alongside, their degree and major requirements, as they are not able to extend their time on campus to complete a certificate.

REQUIREMENTS

REQUIREMENTS

Students are required to a minimum of 14 credits to include one introductory course, one methods and applications course, and elective courses.

Code	Title	Credits
Introductory Course (complete one)		**2-4**
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
Methods and Applications		**3**
LAND ARC 511	Geodesign Methods and Applications	
Elective Courses		**7-9**
Stakeholder Engagement		
LSC 561	Writing Science for the Public	
LSC 625	Risk Communication	
LSC 250	Research Methods in the Communication Industry	
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
Environmental Justice and Policy		
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	
GEOG/ URB R PL 305	Introduction to the City	
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	
GEOG/ ENVIR ST 537	Culture and Environment	
SOC/ C&E SOC 140	Introduction to Community and Environmental Sociology	
URB R PL 512	Gentrification and Urban Restructuring	
Environmental Conservation Management		
LAND ARC 668	Restoration Ecology	
LAND ARC/ ENVIR ST/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	
A A E/ F&W ECOL 430	Decision Methods for Natural Resource Managers	
BOTANY/ ENVIR ST/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	
C&E SOC/ ENVIR ST/ GEOG 434	People, Wildlife and Landscapes	
ENVIR ST/ GEOG 339	Environmental Conservation	
ENVIR ST 413	Preserving Nature	
GEOG/ ENVIR ST 333	Green Urbanism	

GEOG/ ENVIR ST 337	Nature, Power and Society
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges
GEOG/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making the American Landscape
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development
Total Credits	**14**

PASS/FAIL COURSES

Courses taken on a pass/fail basis will not count toward the certificate.

RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence
- Minimum 3.000 GPA on all certificate courses

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate an understanding of the frameworks and processes involved in integrative design of built and natural environments
2. Understand and demonstrate how to use techniques and research from biological, physical sciences, and social sciences in design, planning, and management contexts to create frameworks and designs
3. Select and evaluate geospatial technologies appropriate for a variety of design, planning, and management contexts
4. Understand and evaluate the role of stakeholder values and ethics in design frameworks relative to design, planning, and management of the built environment within social and natural systems

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Contact Debi Griffin (dagriffin@wisc.edu), undergraduate academic advising manager, to learn more about the certificate or for guidance as a current certificate student.

CAREERS

The interdisciplinary education provided through the Certificate in Integrative Design of the Built and Natural Environment will make graduates highly sought after by employers in local government, landscape and urban design, environmental science, management, and policy.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

LANDSCAPE AND URBAN STUDIES, BA

Are you interested in climate justice? Are you interested in inclusive economic development and social justice? Do you want to preserve the beauty in cities and create ecologically sustainable cities? Those are some of the goals you can learn to achieve when you major Landscape and Urban Studies. You will learn to integrate the biological, physical, and social sciences; humanities; arts; and technology to develop the skills that will help you play an important role in creating a more inclusive and sustainable future.

The major provides students opportunities to specialize in Culture, Health and Community; Restoration and Ecological Design; or Urban Studies. The major also provides students opportunities to explore the design and planning professions. Students who graduate from the major are prepared for starting positions in public or private agencies that oversee conservation, land management, cultural landscape conservation, and planning or for continuing on to graduate school, in particular, professionally accredited programs in Landscape Architecture, Planning, or Environmental Studies. This is the major for people who care about the natural world and human creation by understanding cultural and natural resource protection, green infrastructure, social equity, and policy, and more.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.

Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students interested in the major are required to complete a set of introductory courses, breadth in the major under three categories: Biological and Physical Environment, Social and Cultural Studies and Technology and 18 credits of electives (see an Advisor and the Advising tab for recommended focused elective sets).

Landscape and Urban Studies majors must complete at least 48 credits in the major, including the following:

INTRODUCTORY COURSES

Code	Title	Credits
LAND ARC 211	Shaping the Built Environment	3
URB R PL 215	Welcome to Your Urban Future	3
LAND ARC 250	Survey of Landscape Architecture Design	3
or LAND ARC 260	History of Landscape Architecture	
Total Credits		**9**

BIOLOGICAL AND PHYSICAL ENVIRONMENT

Code	Title	Credits
Complete two courses from:		6-9
BOTANY 100	Survey of Botany	
or BOTANY/ BIOLOGY 130	General Botany	
BOTANY/ ENVIR ST/ ZOOLOGY 260	Introductory Ecology	
or BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
BOTANY/ GEOG 338	Environmental Biogeography	
GEOG/ ENVIR ST 339	Environmental Conservation	
PLANTSCI 350	Plants and Human Wellbeing	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
or SOIL SCI 301	General Soil Science	
Total Credits		**6-9**

SOCIAL AND CULTURAL STUDIES

Code	Title	Credits
Complete two courses from:		6-7
ART HIST 457	History of American Vernacular Architecture and Landscapes	
DS 221	Person and Environment Interactions	
ECON 101	Principles of Microeconomics	
or ECON 111	Principles of Economics-Accelerated Treatment	
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	
GEOG 104	Introduction to Human Geography	
GEOG/ ENVIR ST 139	Global Environmental Issues	
LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	
HISTORY/ ENVIR ST/ GEOG 460	American Environmental History	
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
LAND ARC 373	Mindfulness in Restorative Environments	
LAND ARC/ ANTHRO/ ART HIST/DS/ HISTORY 264	Dimensions of Material Culture	
LAND ARC/ CHICLA 475	Latino Urbanism: Design and Engagement in the American City	
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	
POLI SCI 104	Introduction to American Politics and Government	
SOC/ C&E SOC 140	Introduction to Community and Environmental Sociology	
URB R PL/ECON/ REAL EST 420	Urban and Regional Economics	
URB R PL/ LAND ARC 463	Evolution of American Planning	
PUB AFFR 240	Evidence-Based Policy Making	
PUB AFFR 380	Analytic Tools for Public Policy	
Total Credits		**6-7**

TECHNOLOGY

Code	Title	Credits
Complete two courses from:		6-8
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	
or GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
LAND ARC 460	Advanced Visual Communication in Landscape Architecture	
LAND ARC 511	Geodesign Methods and Applications	
LAND ARC/ ENVIR ST/GEOG/ URB R PL 532	Applications of Geographic Information Systems in Planning	
LAND ARC/ ENVIR ST/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	
Total Credits		**6-8**

CAPSTONE

Code	Title	Credits
Complete one course from:		3
LAND ARC 668	Restoration Ecology	
URB R PL 595	Landscape and Urban Studies Capstone	
URB R PL 601	Site Planning	
URB R PL 611	Urban Design: Theory and Practice	
Total Credits		**3**

ELECTIVES [1]

Code	Title	Credits
18 credits, chosen from:		18
AGROECOL 370	Grassland Ecology	
ANTHRO/ AMER IND 354	Archaeology of Wisconsin	
or AMER IND 250	Indians of Wisconsin	
or AMER IND/ C&E SOC/ SOC 578	Poverty and Place	

ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany
ART HIST 457	History of American Vernacular Architecture and Landscapes
or ART HIST/ ANTHRO/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture
BOTANY 400	Plant Systematics
or BOTANY 401	Vascular Flora of Wisconsin
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin
DS 221	Person and Environment Interactions
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species
ENVIR ST/ BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems
or GEOG 501	Space and Place: A Geography of Experience
or GEOG/ URB R PL 305	Introduction to the City
or GEOG/ C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes
or GEOG 301	Revolutions and Social Change
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation
GEOG/ENVIR ST/ HISTORY 460	American Environmental History
LAND ARC 210	Introduction to Landscape Architecture Design Studio
LAND ARC 321	Environment and Behavior Studio - Designing Health Promoting Environments
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences
LAND ARC/ ENVIR ST 361	Wetlands Ecology
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience
LAND ARC 373	Mindfulness in Restorative Environments
LAND ARC/ CHICLA 475	Latino Urbanism: Design and Engagement in the American City
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation
LAND ARC 668	Restoration Ecology
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty
REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process
REAL EST/ECON/ URB R PL 420	Urban and Regional Economics
SOIL SCI 323	Soil Biology
URB R PL 411	Marketplaces and Entrepreneurship
URB R PL/ ECON/ENVIR ST/ POLI SCI 449	Government and Natural Resources
URB R PL 512	Gentrification and Urban Restructuring
URB R PL 550	Transportation and the Built Environment
URB R PL 551	Climate Action Planning: Sustainable Transportation
URB R PL 601	Site Planning
URB R PL 611	Urban Design: Theory and Practice
URB R PL/ C&E SOC/ SOC 617	Community Development
Total Credits	**18**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all LAND ARC and URB R PL courses and courses that count toward the major
- 2.000 GPA on 15 upper-level credits, taken in Residence
- 15 combined credits in LAND ARC and URB PL, taken on the UW–Madison campus

FOOTNOTES

[1] See an Advisor and the Advising tab for recommended focused elective sets

[2] Intermediate and Advanced level courses accepted in the major are Upper Level

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate competence and critical judgment in creatively applying the intellectual and technical skills necessary for site and landscape-scale natural and cultural resource conservation, planning, and management; these skills include cultural, historical and landscape literacy, data collection and analysis, spatial and temporal analysis, multidisciplinary problem-solving approaches and communication skills.
2. Demonstrate critical thinking and the ability to explore ideas and synthesize information, both independently and in collaboration with interdisciplinary team members.
3. Understand, apply and evaluate the principles, theories and research findings underlying at least one of the following advising pathways, Ecological Restoration and Design; Culture, Health, and Community; and Urban Studies.
4. Integrate social, cultural, ecological and technological dimensions in solving design and planning problems concerning the conservation or management of sustainable natural and cultural landscapes.
5. Be able to perform as a member of a public, private or non-profits office or agency in the fields represented within the department.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
LAND ARC 250 or 260	3	LAND ARC 211	3
Communications A	3	URB R PL 215	3
Quantitative Reasoning A	3	Biological or Physical Environment (major requirement)	4
Foreign Language (if required)	4	Ethnic Studies (complete within your first 60 credits)	3
Physical Science Breadth	3	Quantitative Reasoning B	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Major Elective	3	Major Elective	3
Communications B	3	Biological and Physical Environment (major requirement)	3
Social and Cultural Studies (major requirement)	3	Social and Cultural Studies (major requirement)	3
Literature Breadth	3	Literature Breadth	3
INTER-LS 210	1	Electives	3
Elective	3		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Technology (major requirement)	3	Technology (major requirement)	3
Biological and Physical Environment (major requirement)	3	Biological and Physical Environment (major requirement)	3
Major elective	3	Major elective	3
L&S electives	6	L&S electives	6
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
L&S elective	9	Capstone (major requirement)	3
Major elective	6	Electives	9
	15		**12**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Students enrolled in the Landscape and Urban Studies major have three opportunities for advising:

1. The undergraduate academic advising manager assists with general questions about registration, student assistance, and progress in meeting major requirements.
2. Students may choose a faculty advisor (https://dpla.wisc.edu/faculty-instructors/) to assist with guidance specific to the curriculum (e.g. coursework, internships, research) and career opportunities.
3. SuccessWorks offers advice on career paths, networking, and job search preparation.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience,

and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

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The Wisconsin Experience combines learning in and out of the classroom, helping students develop intellectual and personal growth. The Landscape and Urban Studies major mixes traditional learning with community-based learning in and out of the classroom. Students are encouraged to take opportunities that supplement classroom learning by engaging in research, study abroad, internships, student clubs, and community interactions. The major engages students in exploring people-place, culture-nature phenomena and how they might, in their professional and personal lives, apply continuous learning to the planning of environments that benefit people, cultures, and the environment at the local, state, national, and global levels.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

HILLDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIP

The Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/)support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 100 Hilldale awards are available each year. The student researcher receives $3,000, and faculty/staff research advisor receives $1,000 to help offset research costs (e.g., supplies, faculty or student travel related to the project).

HOLSTROM ENVIRONMENTAL RESEARCH FELLOWSHIP

The Holstrom Environmental Research Fellowship (https://awards.advising.wisc.edu/all-scholarships/holstrom-enviromental-research-fellowship/) supports undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Research proposals must have an environmental focus, and applicants must have at least junior standing at the time of application.

UNDERGRADUATE SYMPOSIUM

The annual Undergraduate Symposium (https://ugradsymposium.wisc.edu/) showcases undergraduate creativity, achievement, research, service-learning and community-based research from all areas of study at UW–Madison, including the humanities, fine arts, biological sciences, physical sciences, and social sciences.

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The Undergraduate Research Scholars Program (https://urs.ls.wisc.edu/) is dedicated to enhancing the academic experience of UW–Madison students by providing first- and second-year undergraduates with opportunities to earn credit for participating in the research and creative work with UW–Madison faculty and staff. The program has been designed to include partnerships between students and mentors, seminars on research-relevant issues, and practice in research/artistic presentations. The many benefits of the program are found in the fluid interaction between these activities.

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Wisconsin Idea Fellowships (https://morgridge.wisc.edu/get-connected-students/wisconsin-undergraduate-idea-fellowships/) are awarded annually to undergraduate student projects working towards solving a challenge identified along with local or global community partner. Fellowships are awarded to semester-long or year-long projects designed by an undergraduate student (or group of students) in collaboration with a community organization and a UW–Madison faculty or academic staff member.

LANDSCAPE AND URBAN STUDIES, BS

Are you interested in climate justice? Are you interested in inclusive economic development and social justice? Do you want to preserve the beauty in cities and create ecologically sustainable cities? Those are some of the goals you can learn to achieve when you major Landscape and Urban Studies. You will learn to integrate the biological, physical, and social sciences; humanities; arts; and technology to develop the skills that will help you play an important role in creating a more inclusive and sustainable future.

The major provides students opportunities to specialize in Culture, Health and Community; Restoration and Ecological Design; or Urban Studies. The major also provides students opportunities to explore the design and planning professions. Students who graduate from the major are prepared for starting positions in public or private agencies that oversee conservation, land management, cultural landscape conservation, and planning or for continuing on to graduate school, in particular, professionally accredited programs in Landscape Architecture, Planning, or Environmental Studies. This is the major for people who care about the natural world and human creation by understanding cultural and natural resource protection, green infrastructure, social equity, and policy, and more.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students interested in the major are required to complete a set of introductory courses, breadth in the major under three categories: Biological and Physical Environment, Social and Cultural Studies and Technology and 18 credits of electives (see an Advisor and the Advising tab for recommended focused elective sets).

Landscape and Urban Studies majors must complete at least 48 credits in the major, including the following:

INTRODUCTORY COURSES

Code	Title	Credits
LAND ARC 211	Shaping the Built Environment	3
URB R PL 215	Welcome to Your Urban Future	3
LAND ARC 250	Survey of Landscape Architecture Design	3

or LAND ARC 260	History of Landscape Architecture	
Total Credits		**9**

BIOLOGICAL AND PHYSICAL ENVIRONMENT

Code	Title	Credits
Complete two courses from:		6-9
BOTANY 100	Survey of Botany	
or BOTANY/ BIOLOGY 130	General Botany	
BOTANY/ ENVIR ST/ ZOOLOGY 260	Introductory Ecology	
or BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	
BOTANY/ GEOG 338	Environmental Biogeography	
GEOG/ ENVIR ST 339	Environmental Conservation	
PLANTSCI 350	Plants and Human Wellbeing	
SOIL SCI/ ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	
or SOIL SCI 301	General Soil Science	
Total Credits		**6-9**

SOCIAL AND CULTURAL STUDIES

Code	Title	Credits
Complete two courses from:		6-7
ART HIST 457	History of American Vernacular Architecture and Landscapes	
DS 221	Person and Environment Interactions	
ECON 101	Principles of Microeconomics	
or ECON 111	Principles of Economics-Accelerated Treatment	
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	
GEOG 104	Introduction to Human Geography	
GEOG/ ENVIR ST 139	Global Environmental Issues	
LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	
HISTORY/ ENVIR ST/ GEOG 460	American Environmental History	
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
LAND ARC 373	Mindfulness in Restorative Environments	
LAND ARC/ ANTHRO/ ART HIST/DS/ HISTORY 264	Dimensions of Material Culture	
LAND ARC/ CHICLA 475	Latino Urbanism: Design and Engagement in the American City	
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	
POLI SCI 104	Introduction to American Politics and Government	
SOC/ C&E SOC 140	Introduction to Community and Environmental Sociology	
URB R PL/ECON/ REAL EST 420	Urban and Regional Economics	
URB R PL/ LAND ARC 463	Evolution of American Planning	
PUB AFFR 240	Evidence-Based Policy Making	
PUB AFFR 380	Analytic Tools for Public Policy	
Total Credits		**6-7**

TECHNOLOGY

Code	Title	Credits
Complete two courses from:		6-8
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	
or GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
LAND ARC 460	Advanced Visual Communication in Landscape Architecture	
LAND ARC 511	Geodesign Methods and Applications	
LAND ARC/ ENVIR ST/GEOG/ URB R PL 532	Applications of Geographic Information Systems in Planning	
LAND ARC/ ENVIR ST/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	
Total Credits		**6-8**

CAPSTONE

Code	Title	Credits
Complete one course from:		3
LAND ARC 668	Restoration Ecology	
URB R PL 595	Landscape and Urban Studies Capstone	
URB R PL 601	Site Planning	
URB R PL 611	Urban Design: Theory and Practice	
Total Credits		**3**

ELECTIVES [1]

Code	Title	Credits
18 credits, chosen from:		18
AGROECOL 370	Grassland Ecology	
ANTHRO/ AMER IND 354	Archaeology of Wisconsin	
or AMER IND 250	Indians of Wisconsin	

or AMER IND/ C&E SOC/ SOC 578	Poverty and Place
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany
ART HIST 457	History of American Vernacular Architecture and Landscapes
or ART HIST/ ANTHRO/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture
BOTANY 400	Plant Systematics
or BOTANY 401	Vascular Flora of Wisconsin
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin
DS 221	Person and Environment Interactions
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species
ENVIR ST/ BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems
or GEOG 501	Space and Place: A Geography of Experience
or GEOG/ URB R PL 305	Introduction to the City
or GEOG/ C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes
or GEOG 301	Revolutions and Social Change
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation
GEOG/ENVIR ST/ HISTORY 460	American Environmental History
LAND ARC 210	Introduction to Landscape Architecture Design Studio
LAND ARC 321	Environment and Behavior Studio - Designing Health Promoting Environments
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences
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REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process
REAL EST/ECON/ URB R PL 420	Urban and Regional Economics
SOIL SCI 323	Soil Biology
URB R PL 411	Marketplaces and Entrepreneurship
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URB R PL 512	Gentrification and Urban Restructuring
URB R PL 550	Transportation and the Built Environment
URB R PL 551	Climate Action Planning: Sustainable Transportation
URB R PL 601	Site Planning
URB R PL 611	Urban Design: Theory and Practice
URB R PL/ C&E SOC/ SOC 617	Community Development
Total Credits	**18**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all LAND ARC and URB R PL courses and courses that count toward the major
- 2.000 GPA on 15 upper-level credits, taken in Residence
- 15 combined credits in LAND ARC and URB PL, taken on the UW–Madison campus

FOOTNOTES

[1] See an Advisor and the Advising tab for recommended focused elective sets

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UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
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Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

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2. Demonstrate critical thinking and the ability to explore ideas and synthesize information, both independently and in collaboration with interdisciplinary team members.
3. Understand, apply and evaluate the principles, theories and research findings underlying at least one of the following advising pathways, Ecological Restoration and Design; Culture, Health, and Community; and Urban Studies.
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5. Be able to perform as a member of a public, private or non-profits office or agency in the fields represented within the department.

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First Year

Fall	Credits	Spring	Credits
LAND ARC 250 or 260	3	LAND ARC 211	3
Communications A	3	URB R PL 215	3
Quantitative Reasoning A	3	Biological or Physical Environment (major requirement)	4
Foreign Language (if required)	4	Ethnic Studies (complete within your first 60 credits)	3
Physical Science Breadth	3	Quantitative Reasoning B	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
Major Elective	3	Major Elective	3
Communications B	3	Biological and Physical Environment (major requirement)	3
Social and Cultural Studies (major requirement)	3	Social and Cultural Studies (major requirement)	3
Literature Breadth	3	Literature Breadth	3
INTER-LS 210	1	Electives	3
Elective	3		
	16		**15**

Third Year

Fall	Credits	Spring	Credits
Technology (major requirement)	3	Technology (major requirement)	3
Biological and Physical Environment (major requirement)	3	Biological and Physical Environment (major requirement)	3
Major elective	3	Major elective	3
L&S electives	6	L&S electives	6
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
L&S elective	9	Capstone (major requirement)	3
Major elective	6	Electives	9
	15		**12**

Total Credits 120

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LANDSCAPE ARCHITECTURE, BLA

Students who enjoy art, science, technology, problem-solving, and design should consider a career in landscape architecture. Graduates with the Bachelor of Landscape Architecture (BLA) influence the design and management of cities, parks, and open spaces. They often advise park managers, citizen groups, landowners, and state agencies. Landscape architects design public and private outdoor spaces, restore and help preserve natural areas, develop and implement regional planning and public policy, and revitalize urban neighborhoods. The professional Bachelor of Landscape Architecture degree program focuses on form-giving design, design implementation, and professional practice. Emphasis is placed on principles of design theory and process; problem solving in relationship to human needs and aspirations, environmental awareness and stewardship; and on the development of technical proficiencies required of professional practice. Students learn site analysis, graphic communication, design synthesis, construction technology, and the social and environmental factors that are part of design.

The Bachelor of Landscape Architecture degree program provides professional education accredited by the American Society of Landscape Architects (ASLA) (https://www.asla.org/AccreditationLAAB.aspx). Students completing the requirements for this program are granted a BLA degree. Completion of this program is the first step in becoming a licensed landscape architect.

Please note that students in the BLA degree program **cannot** pursue an additional major; however, they may declare and complete certificates.

HOW TO GET IN

HOW TO GET IN

Admission to the professional program during the sophomore year, or in the second year of the degree plan, is on a competitive basis.

Students completing the requirements for this program are awarded a BLA degree. Because the BLA is an integrated degree program, it cannot be added as an additional major ("double major") by students pursuing other degree programs. Students who are admitted to and complete the BLA degree may not declare or be awarded additional majors in combination with the BLA degree. However, BLA students are permitted to complete certificate programs.

1. **Eligibility for Consideration into the Landscape Architecture Accredited Professional Program.** Eligibility for consideration into the Landscape Architecture Accredited Professional Program depends on fulfillment of these requirements: students apply for formal admission to the program during the spring semester of each academic year. Selections are made only once a year for the fall semester. The first round of selections takes place in early summer. All students will be notified of their status at least two weeks before the start of the fall semester. Students who plan to complete their prerequisite courses during the summer session must so indicate on their application. The department will admit up to a maximum of 30 students, as resources permit. Selection will be based on a letter of intent, written by the applicant, which will address their reasons for entering the major, submission of portfolio, and on grades earned in the following two prerequisite courses: LAND ARC 250 **AND** LAND ARC 210 or LAND ARC 366.
2. **AND** the applicant must have completed a minimum of 24 credit hours. University GPA will be considered.
   For more information on the professional design degree program and the application process please go to this link (https://dpla.wisc.edu/).
3. **Selection Policies.** On-campus selections for admission will be made as soon as possible after spring semester grades are received.
4. **Notification of Status.** Applicants who have completed their prerequisite courses at the end of spring semester will be notified of their status between June 1 and July 1 of each year for fall semester admission. Decisions on those applicants completing prerequisites during summer session will be made as soon as grades are received.
5. **Appeal Procedures.** An appeal to the department's curriculum committee may be presented to clarify an error of fact or extenuating circumstances.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS AND SCIENCE DEGREE REQUIREMENTS: BACHELOR OF LANDSCAPE ARCHITECTURE (BLA)

Students pursuing a Bachelor of Landscape Architecture degree in the College of Letters & Science must complete all of the requirements below. The BLA is a special degree program; it is not considered a major. The BLA degree is not available to students who intend to earn a degree outside the College of Letters & Science.

BACHELOR OF LANDSCAPE ARCHITECTURE DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, including at least 3 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits in Biological Science and 6 credits in Physical Science.
Liberal Arts & Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Total Credits	Complete at least 120 credits.
UW—Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

REQUIREMENTS FOR THE BLA

Code	Title	Credits
Introduction and Foundation		
LAND ARC 210	Introduction to Landscape Architecture Design Studio	3-4
or LAND ARC 366	Introduction to Architectural and Environmental Design	
LAND ARC 250	Survey of Landscape Architecture Design	3
LAND ARC 260	History of Landscape Architecture	3
Other Required Foundation Courses		
BOTANY 100	Survey of Botany	3-5
or BOTANY/ BIOLOGY 130	General Botany	
DS 221	Person and Environment Interactions	3
BOTANY/ENVIR ST/ ZOOLOGY 260	Introductory Ecology	3
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
LAND ARC 380	Plants for Ecological Design I	2
LAND ARC 381	Plants for Ecological Design II	1
SOIL SCI/ENVIR ST/ GEOG 230	Soil: Ecosystem and Resource	3
or SOIL SCI 301	General Soil Science	
Intermediate Studio Sequence		
LAND ARC 261	Principles of Landscape Architecture Design and Graphics	4
LAND ARC 321	Environment and Behavior Studio - Designing Health Promoting Environments	4
LAND ARC 353	Landscape Architectural Technology I	3
LAND ARC 354	Landscape Architectural Technology II	3
Professional Theory and Practice Core		
LAND ARC/ ENVIR ST 361	Wetlands Ecology	3
or LAND ARC/ CHICLA 475	Latino Urbanism: Design and Engagement in the American City	
or LAND ARC 525	Social Justice and the Urban Landscape	
or LAND ARC 590	Special Topics	
or LAND ARC 668	Restoration Ecology	
or LAND ARC 677	Cultural Resource Preservation and Landscape History	
or URB R PL 411	Marketplaces and Entrepreneurship	
or URB R PL 512	Gentrification and Urban Restructuring	
or URB R PL 550	Transportation and the Built Environment	
or URB R PL 551	Climate Action Planning: Sustainable Transportation	
or URB R PL 601	Site Planning	
or URB R PL 611	Urban Design: Theory and Practice	
LAND ARC 460	Advanced Visual Communication in Landscape Architecture	3
LAND ARC 397	Internship in Landscape Architecture	1
LAND ARC 511	Geodesign Methods and Applications	3
LAND ARC 550	Professional Practice in Landscape Architecture	3
Advanced Studio Sequence		
LAND ARC 560	Plants and Ecology in Design	4
LAND ARC 562	Urban Design and Open Space Systems	4
LAND ARC 563	Designing Sustainable and Resilient Regions	4
Capstone Sequence		
LAND ARC 610 & LAND ARC 611	Landscape Architecture Capstone I and Landscape Architecture Capstone II	7
Total Credits		**72**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all LAND ARC courses and courses that count toward the BLA program
- 2.000 GPA on 15 Upper Level credits, taken in Residence [1]
- 15 credits in LAND ARC, taken on the UW–Madison campus

FOOTNOTES

[1] LAND ARC and major courses numbered 500-699 are Upper Level.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate competence and critical judgement in applying intellectual and technical skills necessary for site and landscape-scale design, in particular skills of problem-solving using site inventory/analysis; spatial/temporal analysis; programming; synthesis; oral, written, and visual communication; construction implementation; and post-occupancy evaluation.
2. Demonstrate critical thinking and the ability to explore ideas and synthesize information, both independently and in collaboration with interdisciplinary team members to identify and solve complicated landscape design and planning problems.
3. Understand, apply, and evaluate the principles, theories, and recent research findings in the discipline of landscape architecture.
4. Integrate humanistic, scientific, legal, political, economic, social, ecological, and technological dimensions in solving novel design and planning problems concerning the betterment of rural and urban natural and cultural landscapes.
5. Understand, analyze, and apply design and planning theories and principles to urban and rural landscapes to benefit human living conditions.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Quantitative Reasoning A	4
Foreign Language (if needed)	4	Ethnic Studies	4
LAND ARC 210	4	BOTANY 100 or 130	3
LAND ARC 250	3	Elective	4
	14		**15**

Second Year

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	LAND ARC 260	3
LAND ARC 261	4	LAND ARC 321	4
LAND ARC 380	2	LAND ARC 353	3
LAND ARC 311	2	LAND ARC 381	1
DS 221	3	SOIL SCI/ENVIR ST/ GEOG 230 or 301	3
BOTANY/ENVIR ST/ ZOOLOGY 260	3	Electives	2
	17		**16**

Third Year

Fall	Credits	Spring	Credits
LAND ARC 354	3	LAND ARC/ ENVIR ST 361, 475, 525, 590, 668, 677, URB R PL 411, URB R PL 512, URB R PL 550, URB R PL 601, or URB R PL 611	3
LAND ARC 397	1	LAND ARC 562	4
LAND ARC 460	3	LAND ARC 511	3
LAND ARC 560	4	Physical Science Breadth	3
Electives	3		
	14		**13**

Fourth Year

Fall	Credits	Spring	Credits
LAND ARC 563	4	LAND ARC 611 (also meets Communications B)	4
LAND ARC 550	3	Electives	11
LAND ARC 610	3		
Literature Breadth	3		
Elective	3		
	16		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

Students are assigned to a faculty advisor once they are admitted to the major. Prospective students should contact the undergraduate academic coordinator, Debi Griffin (dagriffin@wisc.edu) for more information.

The BLA degree program provides professional education accredited by the the Landscape Architecture Accreditation Board (LAAB) (https://www.asla.org/AccreditationLAAB.aspx).

Completion of this program is the first step in becoming a licensed landscape architect through the Council of Landscape Architectural Registration Boards (CLARB) (https://www.clarb.org/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)

- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

Landscape Architecture Registration Exam (http://www.clarb.org/)

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

ACCREDITATION

ACCREDITATION

Landscape Architecture Accreditation Board (https://www.asla.org/AccreditationLAAB.aspx)

Accreditation status: Accredited. Next accreditation review: 2025.

POLITICAL SCIENCE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Political Economy, Philosophy, and Politics, Certificate (p. 1249)
- Political Science, BA (p. 1251)
- Political Science, BS (p. 1257)
- Political Science, Certificate (p. 1263)

POLITICAL ECONOMY, PHILOSOPHY, AND POLITICS, CERTIFICATE

The Political Economy, Philosophy, and Politics certificate is rooted in a core insight: social, economic, and political problems have ethical, political, and economic dimensions.

The first program formally combining these three approaches (politics, philosophy, and economics) was created at Oxford University in 1920. It drew on a tradition of inquiry that brought the three perspectives together. Since its creation at Oxford, similar programs have been created at many of the world's leading universities.

If we move from the insight behind the program to what it means in practice, we can see that understanding, for example, immigration requires understanding it from political, economic, and ethical perspectives. In short, understanding the pressing political, economic, or philosophical problems of the day entails seeing them from a perspective that brings together all three disciplines. As a result, the Political Economy, Philosophy, and Politics certificate curriculum brings together faculty and coursework from three different academic departments: Economics, Philosophy, and Political Science. This cross-disciplinary curriculum is important not just for intellectual development, but also for fostering the habits of mind central to democratic citizenship.

HOW TO GET IN

HOW TO GET IN

Students can declare the program via the online declaration form. (https://polisci.wisc.edu/pepp-certificate/)

REQUIREMENTS

REQUIREMENTS

18 credits are required, as follows: [1]

CORE BREADTH

Four courses for 12 credits, one course each from these areas:

Economics

Code	Title	Credits
ECON/HIST SCI 305	Development of Economic Thought	3-4
ECON 330	Money and Banking	4
ECON 340	Microeconomics in Popular Culture	3
ECON 350	The Chinese Economy	3
ECON 435	The Financial System	3
ECON 461	International Macroeconomics	3-4
ECON 464	International Trade	3-4

Philosophy

Code	Title	Credits
PHILOS 341	Contemporary Moral Issues	3-4
PHILOS/ ENVIR ST 441	Environmental Ethics	3-4
PHILOS/ MED HIST 505	Justice and Health Care	3
PHILOS/ MED HIST 515	Public Health Ethics	3
PHILOS/ECON 524	Philosophy and Economics	3
PHILOS 541	Modern Ethical Theories	3
PHILOS 549	Great Moral Philosophers	3
PHILOS 555	Political Philosophy	3

Political Science: Political Theory

Code	Title	Credits
POLI SCI 360	History of American Political Thought	3-4
POLI SCI 361	Contemporary American Political Thought	3-4
POLI SCI 363	Literature and Politics	3-4
POLI SCI 364	Christian Political Thought	3-4
POLI SCI 366	Continental Political Thought	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI/ILS 463	Deception and Politics	3-4

Political Science: Institutions and Political Economy

Code	Title	Credits
POLI SCI 274	Political Choice and Strategy	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 330	Political Economy of Development	3-4
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 350	International Political Economy	3-4
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4

ELECTIVE DEPTH COURSE

Take one (1) additional course (3 credits) from the list of courses above in **either** Economics (p. 1250) **or** Philosophy (p. 1250).

CAPSTONE SEMINAR

Code	Title	Credits
POLI SCI 461	Interdisciplinary Seminar in Political Economy, Philosophy, & Politics	3

[1] Courses taken Pass/Fail do not count

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all certificate courses
- At least 9 certificate credits must be completed in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Knowing key concepts and arguments from economics, philosophy, and political science.
2. Synthesizing key arguments and concepts from philosophy, political science, and economics.
3. Applying arguments and concepts from philosophy, political science, and economics to contemporary policy or scholarly debates.

ADVISING AND CAREERS

ADVISING

Cassie Chulick: Undergraduate Advisor, 303 North Hall
Amy Gangl: Undergraduate Advisor, 302 North Hall
Rachel Margolies: Undergraduate Advisor, 301 North Hall

Appointments scheduled with Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/)

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)

- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

POLITICAL SCIENCE, BA

There are many definitions of political science. But whether a definition focuses on the analysis of governmental structures, or influences on voter choice, or the relationship between national governments, or the best form of government, political science is about the systematic study of power. Whether power is exercised formally, as is the case between government and the individual, or informally, as is the case between individuals, it is the systematic study of power relationships that provides the subject matter for the discipline. Students studying political science obtain not only an understanding of the workings of government, but they also develop important skills in critical thinking and analysis. These skills make them ideal candidates for careers in law; in government at the state, national, and international levels; in business; in journalism; and in politics.

WHAT CAREERS DO POLITICAL SCIENCE MAJORS PURSUE?

Political Science students learn quickly, work well in teams, and have basic understanding of the policy process and the operations of government. Political Science students understand that for every endeavor, no matter how important, there is a mountain of ordinary grunt work that has to be done. Political Science students can be counted on to do the foot-work, put in the face-time, and endure the slog necessary of everything of consequence.

Political Science students go on to work in all levels of government. Local and state governments have a direct impact on the quality of life of all Americans. Courses on state and urban government, public policy, administrative law, and public administration are especially valuable. Quantitative and statistical skills developed in these courses and applied in the internships many of our students do provide a powerful combination.

Political Science students go on to work in a wide range of International careers, in business, Foreign Service, and nongovernmental organizations. Political Science offers a wide variety of courses in comparative politics, international relations and organizations, public policy, political development, and interest group politics. These courses in combination with economics, statistics, computer science, and international trade.

Political Science students pursue careers in campaign management, political polling, national political committees, and consulting. They will have taken multiple courses in the American political system, comparative political parties, elections, public opinion, and voting behavior; as well as committing themselves to developing their writing and data analysis. There are over half a million campaigns in the United States annually, and while entry-level jobs have long hours, low pay, and enormous demands, they are places where you can "cut your political teeth." Local campaigns lead to statewide or national campaigns, and then perhaps to consulting and polling if that strikes your interest.

Political Science students have also traditionally gone into law. Some lawyers are litigators while others are employed by corporations, government, and other organizations. Political Science track fits nicely for students seeking law degrees as official credentials to "practice law" and those students who seek a law degree as an additional "tool" to make positive impacts in their professional areas of interest. Some individuals with legal training work in other areas, such as corporate or public management. The department offers a wide variety of political theory, constitutional law, and public policy courses that will help you explore the interaction between law, politics, and society.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Political Science certificate may not be declared in the Political Science major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

30 credits are required in the following areas:

DISTRIBUTION [1]

Code	Title	Credits
Three courses and three areas required:		**9-12**
International Relations		
POLI SCI 140	Introduction to International Relations	
POLI SCI/ CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
POLI SCI 340	The European Union: Politics and Political Economy	
POLI SCI 343	Theories of International Security	
POLI SCI 345	Conflict Resolution	
POLI SCI 346	China in World Politics	
POLI SCI 347	Terrorism	
POLI SCI 348	Analysis of International Relations	
POLI SCI 350	International Political Economy	
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics	
POLI SCI 354	International Institutions and World Order	
POLI SCI 356	Principles of International Law	
POLI SCI 359	American Foreign Policy	
POLI SCI 377	Nuclear Weapons and World Politics	
POLI SCI 390	Study Abroad Topics in Political Science: International Relations	
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	
American Government		
POLI SCI 104	Introduction to American Politics and Government	
POLI SCI 205	Introduction to State Government	
POLI SCI 206	Introduction to Political Psychology	
POLI SCI/ LEGAL ST 217	Law, Politics and Society	
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	
POLI SCI 272	Introduction to Public Policy	
POLI SCI/ AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction	
POLI SCI/ CHICLA 302	Mexican-American Politics	
POLI SCI 304	The Political Economy of Race in the United States	
POLI SCI 305	Elections and Voting Behavior	
POLI SCI 306	American Political Parties	
POLI SCI 311	United States Congress	
POLI SCI 314	Criminal Law and Justice	
POLI SCI 315	Legislative Internship	
POLI SCI 402	Wisconsin in Washington Internship Course	

POLI SCI 405	State Government and Public Policy
POLI SCI 408	The American Presidency
POLI SCI 411	The American Constitution : Powers and Structures of Government
POLI SCI 412	The American Constitution: Rights and Civil Liberties
POLI SCI 414	The Supreme Court as a Political Institution
POLI SCI 416	Community Power and Grass Roots Politics
POLI SCI 417	The American Judicial System
POLI SCI/ PUB AFFR 419	Administrative Law
POLI SCI 425	The Political Psychology of Polarization
POLI SCI/ LEGAL ST 445	Legal Writing, from Counselor to Advocate
POLI SCI 470	The First Amendment
POLI SCI 481	Honors Seminar on Race and Politics in the United States
POLI SCI 490	Study Abroad Topics in Political Science: American Government
POLI SCI 511	Campaign Finance
POLI SCI 515	Public Opinion
POLI SCI/ AFROAMER 519	African American Political Theory
POLI SCI 602	Wisconsin in Washington Advanced Public Policy Course
Political Theory	
POLI SCI 160	Introduction to Political Theory
POLI SCI 360	History of American Political Thought
POLI SCI 361	Contemporary American Political Thought
POLI SCI/ CLASSICS/ HISTORY 362	Athenian Democracy
POLI SCI 363	Literature and Politics
POLI SCI 364	Christian Political Thought
POLI SCI/ ILS/ITALIAN/ LITTRANS 365	Machiavelli and His World
POLI SCI 366	Continental Political Thought
POLI SCI 460	Topics in Political Philosophy
POLI SCI/ILS 463	Deception and Politics
POLI SCI/ GEN&WS 469	Women and Politics
POLI SCI/ AFROAMER 519	African American Political Theory
POLI SCI 590	Study Abroad Topics in Political Science: Political Theory
Comparative Politics	
POLI SCI 120	Introduction to Comparative Politics
POLI SCI 182	Introduction to Comparative Politics (Honors)
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies
POLI SCI/ASIAN/ GEOG/HISTORY/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines
POLI SCI/GEOG/ HISTORY/ SLAVIC 253	Russia: An Interdisciplinary Survey
POLI SCI/GEOG/ HISTORY/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations
POLI SCI/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/HISTORY/ LACIS/SOC/ SPANISH 260	Latin America: An Introduction
POLI SCI/ AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ SOC 277	Africa: An Introductory Survey
POLI SCI/ AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 324	Chinese Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 335	Social Identities
POLI SCI 336	Democracy (and Its Uncertain Future)
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society
POLI SCI 339	Non-Democracies
POLI SCI/ JEWISH 341	Israeli Politics and Society
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 349	Global Access to Justice
POLI SCI/ CHICLA/ HISTORY/ LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective
POLI SCI 358	States in the World: Comparative Foreign Policy

POLI SCI 370	Islam and Politics
POLI SCI/ CHICLA/ HISTORY 422	Latino History and Politics
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ INTL ST 431	Contentious Politics
POLI SCI/ RELIG ST 433	Religion and Politics
POLI SCI/ INTL ST 434	The Politics of Human Rights
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI/ INTL ST 439	The Comparative Study of Genocide
POLI SCI 342	State-Building: How States Are Formed, Function, and Influence Society
POLI SCI 442	Honors Seminar on State-Building
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 538	
POLI SCI 635	Comparative Politics of Sport
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
Total Credits	**9-12**

RESEARCH METHODS

Code	Title	Credits
Complete one course from:		3-4
POLI SCI 170	Research Methods in Political Science	
POLI SCI 270	Understanding Political Numbers	
POLI SCI 274	Political Choice and Strategy	
POLI SCI 348	Analysis of International Relations	
POLI SCI/ JOURN/ URB R PL 373	Introduction to Survey Research	
Total Credits		**3-4**

ELECTIVES

Additional POLI SCI courses to attain 30 credits in the major.[2]

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all POLI SCI courses and courses that count toward the major
- 2.000 GPA on 15 upper-level credits in the major, taken in residence[3]
- 15 credits in POLI SCI, taken on campus

HONORS IN THE MAJOR

To declare Honors in the Major, students must have at least one POLI SCI course for Honors, at least a 3.300 University GPA, and meet with the major advisor to discuss the requirements.

To earn Honors in the Major, students must satisfy the requirements for the major (above) *and* these additional requirements:

- Earn a 3.300 or higher University GPA
- Earn 3.500 GPA or higher in all POLI SCI courses
- Complete at least 15 credits in POLI SCI for Honors to include:[4]

Code	Title	Credits
Complete one of these Thesis sequences:		6
POLI SCI 681 & POLI SCI 682	Senior Honors Thesis and Senior Honors Thesis	
POLI SCI 683 & POLI SCI 684	Senior Honors Thesis Seminar and Senior Honors Thesis Seminar	
Additional POLI SCI courses taken for Honors [4]		9
Total Credits		**15**

FOOTNOTES

1 Courses may only meet one Distribution area. A course may meet both a Distribution and the Research Methods requirement, but will only be applied once toward the 30 credits required in the major.

2 No more than 6 total credits of Directed Study (POLI SCI 199, POLI SCI 698, POLI SCI 699) and Internship (POLI SCI 315) may count in the major.

3 POLI SCI courses numbered 300 and higher count as upper-level in the major.

4 A grade of B or higher is required to earn Honors credit.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop an understanding of and appreciation for the methods and approaches of diverse subfields in Political Science--#American Politics, Comparative Politics, International Relations, and Political Theory--#and their relevance to important theoretical and pragmatic questions.
2. Analyze different forms and practices of governance both democratic and non#democratic.
3. Argue effectively and defend propositions with intellectual integrity, while considering a range of alternative points of view and evidence.
4. Analyze relations among individuals, civil society, political institutions, and states.
5. Analyze the motivations and consequences of political decision# making and activities.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
POLI SCI 104, 120, 140, or 160	3-4	POLI SCI 104, 120, 140, or 160 (complete two)	3-4
Communications A	3	Literature Breadth	3
Quantitative Reasoning A	3	Foreign Language (if needed)	4
Foreign Language (if needed)	4		
	14		**15**

Second Year

Fall	Credits	Spring	Credits
Declare the major		POLI SCI elective	3
POLI SCI/CHICLA 231, 297, or 355 (satisfies Ethnic Studies requirement)	3-4	Communications B	4
POLI SCI 270, 274, or 348 (satisfies Quantitative Reasoning B requirement)	3-4	Physical Science Breadth	3
Biological Science Breadth	3	Literature Breadth	3
I/A COMP SCI, MATH or STAT (if BS)	3	I/A COMP SCI, MATH, or STAT (if BS)	3
INTER-LS 210	1		
	15		**16**

Third Year

Fall	Credits	Spring	Credits
POLI SCI course 300 and above	4	POLI SCI course 300 and above	3
Humanities Breadth	3	Humanities Breadth	3
Science Breadth	3	Science Breadth	3
Elective	4	Elective	6
		Apply for Senior Thesis (optional)[1]	
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
POLI SCI course 300 and above	4	POLI SCI course 300 and above	6
POLI SCI 681, 683, or 691 (optional)[1]	3-4	POLI SCI 682, 684, or 692 (optional)[1]	3-4
Elective	9	Elective	6
	16		**15**

Total Credits 120

[1] Students wishing to write a senior thesis (with or without Honors) should apply in the spring of their third year.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with a Political Science major should enter the University with a minimum of 18 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 credits of any elective coursework
- 3-4 units of foreign language

Students missing one or more of these requirements upon entering the University should talk to their advisor about completing coursework over Summer terms to stay on track for a three year timeline.

First Year

Fall	Credits	Spring	Credits
POLI SCI 104, 120, 140, or 160	4	Declare the Major	
POLI SCI 104, 120, 140, or 160	4	POLI SCI 104, 120, 140, or 160	4
Biological Science Breadth	3	POLI SCI Elective	3
Literature Breadth	3	Communication B	4
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (if BA)	3	Literature Breadth	3
		Physical Science Breadth	3
	17		**17**

Second Year

Fall	Credits	Spring	Credits
POLI SCI/CHICLA 231, 297, or 355 (satisfies Ethnic Studies)	3-4	POLI SCI course 300 and above	4
POLI SCI 270, 274, or 348 (satisfies Quantitative Reasoning B)	4	POLI SCI course 300 and above	3
Humanities Breadth	3	Humanities Breadth	3
Science Breadth	3	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	3
Elective	3	Elective (Intermediate or Advanced level)	3
		INTER-LS 210	1
		Apply for Senior Thesis (optional)[1]	
	16-17		**17**

Third Year

Fall	Credits	Spring	Credits
POLI SCI course 300 and above	4	POLI SCI course 300 and above	4
POLI SCI 681, 683, or 691[1]	4	POLI SCI course 300 and above	3
Science Breadth	3	POLI SCI 682, 684, or 692[1]	4
Electives (Intermediate or Advanced level)	6	Electives (Intermediate or Advanced level)	6
	17		**17**

Total Credits 101-102

[1] Students wishing to write a senior thesis (with or without Honors) should apply in the spring of their second year.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Political Science (https://polisci.wisc.edu/declare-major-2/) website.

ADVISING

The Department of Political Science has academic advisors who are available to meet with you to offer guidance on:

- course selection;
- program planning;
- internship opportunities;
- study abroad programs;
- scholarship opportunities;
- student research interests; and
- transfer and study abroad credits

Information about scheduling appointments can be found here (https://polisci.wisc.edu/advising-and-major-information/#advising). Please note that no advising appointments are scheduled via email.

ENROLLMENT INFORMATION

Political Science students who wish to enroll in the following courses must obtain prior consent/authorization:

- Directed Study
- Thesis
- Proseminars (varies by specific course; check footnotes in the class schedule)
- Specific Topic
- Other advanced-level coursework with consent of the instructor in lieu of other required courses.

Information and course descriptions are posted on the department website prior to each enrollment period. POLI SCI 315 Legislative Internship is available by application only. Specific deadlines will be announced each semester. Students with a classification making them ineligible for certain courses due to retroactive or AP credits may see the instructor for possible permission to enroll on a space available basis. Students who wish to enroll in a course that is closed may use the online wait list available through the Student Center in MyUW. The number of credits for variable credit courses is determined by course format and contact periods for a specific semester as noted in the class schedule. For graduate programs, see the Graduate section of this Guide (https://guide.wisc.edu/graduate/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

POLITICAL SCIENCE, BS

There are many definitions of political science. But whether a definition focuses on the analysis of governmental structures, or influences on voter choice, or the relationship between national governments, or the best form of government, political science is about the systematic study of power. Whether power is exercised formally, as is the case between government and the individual, or informally, as is the case between individuals, it is the systematic study of power relationships that provides the subject matter for the discipline. Students studying political science obtain not only an understanding of the workings of government, but they also develop important skills in critical thinking and analysis. These skills make them ideal candidates for careers in law; in government at the state, national, and international levels; in business; in journalism; and in politics.

WHAT CAREERS DO POLITICAL SCIENCE MAJORS PURSUE?

Political Science students learn quickly, work well in teams, and have basic understanding of the policy process and the operations of government. Political Science students understand that for every endeavor, no matter how important, there is a mountain of ordinary grunt work that has to be done. Political Science students can be counted on to do the foot-work, put in the face-time, and endure the slog necessary of everything of consequence.

Political Science students go on to work in all levels of government. Local and state governments have a direct impact on the quality of life of all Americans. Courses on state and urban government, public policy, administrative law, and public administration are especially valuable. Quantitative and statistical skills developed in these courses and applied in the internships many of our students do provide a powerful combination.

Political Science students go on to work in a wide range of International careers, in business, Foreign Service, and nongovernmental organizations. Political Science offers a wide variety of courses in comparative politics, international relations and organizations, public policy, political development, and interest group politics. These courses in combination with economics, statistics, computer science, and international trade.

Political Science students pursue careers in campaign management, political polling, national political committees, and consulting. They will have taken multiple courses in the American political system, comparative political parties, elections, public opinion, and voting behavior; as well as committing themselves to developing their writing and data analysis. There are over half a million campaigns in the United States annually, and while entry-level jobs have long hours, low pay, and enormous demands, they are places where you can "cut your political teeth." Local campaigns lead to statewide or national campaigns, and then perhaps to consulting and polling if that strikes your interest.

Political Science students have also traditionally gone into law. Some lawyers are litigators while others are employed by corporations, government, and other organizations. Political Science track fits nicely for students seeking law degrees as official credentials to "practice law" and those students who seek a law degree as an additional "tool" to make positive impacts in their professional areas of interest. Some individuals with legal training work in other areas, such as corporate or public management. The department offers a wide variety of political theory, constitutional law, and public policy courses that will help you explore the interaction between law, politics, and society.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Political Science certificate may not be declared in the Political Science major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

30 credits are required in the following areas:

DISTRIBUTION [1]

Code	Title	Credits
Three courses and three areas required:		**9-12**
International Relations		
POLI SCI 140	Introduction to International Relations	
POLI SCI/ CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	
POLI SCI 340	The European Union: Politics and Political Economy	
POLI SCI 343	Theories of International Security	
POLI SCI 345	Conflict Resolution	
POLI SCI 346	China in World Politics	
POLI SCI 347	Terrorism	
POLI SCI 348	Analysis of International Relations	
POLI SCI 350	International Political Economy	
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics	
POLI SCI 354	International Institutions and World Order	
POLI SCI 356	Principles of International Law	
POLI SCI 359	American Foreign Policy	
POLI SCI 377	Nuclear Weapons and World Politics	
POLI SCI 390	Study Abroad Topics in Political Science: International Relations	
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	
American Government		
POLI SCI 104	Introduction to American Politics and Government	
POLI SCI 205	Introduction to State Government	
POLI SCI 206	Introduction to Political Psychology	
POLI SCI/ LEGAL ST 217	Law, Politics and Society	
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	
POLI SCI 272	Introduction to Public Policy	
POLI SCI/ AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction	

POLI SCI/ CHICLA 302	Mexican-American Politics
POLI SCI 304	The Political Economy of Race in the United States
POLI SCI 305	Elections and Voting Behavior
POLI SCI 306	American Political Parties
POLI SCI 311	United States Congress
POLI SCI 314	Criminal Law and Justice
POLI SCI 315	Legislative Internship
POLI SCI 402	Wisconsin in Washington Internship Course
POLI SCI 405	State Government and Public Policy
POLI SCI 408	The American Presidency
POLI SCI 411	The American Constitution : Powers and Structures of Government
POLI SCI 412	The American Constitution: Rights and Civil Liberties
POLI SCI 414	The Supreme Court as a Political Institution
POLI SCI 416	Community Power and Grass Roots Politics
POLI SCI 417	The American Judicial System
POLI SCI/ PUB AFFR 419	Administrative Law
POLI SCI 425	The Political Psychology of Polarization
POLI SCI/ LEGAL ST 445	Legal Writing, from Counselor to Advocate
POLI SCI 470	The First Amendment
POLI SCI 481	Honors Seminar on Race and Politics in the United States
POLI SCI 490	Study Abroad Topics in Political Science: American Government
POLI SCI 511	Campaign Finance
POLI SCI 515	Public Opinion
POLI SCI/ AFROAMER 519	African American Political Theory
POLI SCI 602	Wisconsin in Washington Advanced Public Policy Course
Political Theory	
POLI SCI 160	Introduction to Political Theory
POLI SCI 360	History of American Political Thought
POLI SCI 361	Contemporary American Political Thought
POLI SCI/ CLASSICS/ HISTORY 362	Athenian Democracy
POLI SCI 363	Literature and Politics
POLI SCI 364	Christian Political Thought
POLI SCI/ ILS/ITALIAN/ LITTRANS 365	Machiavelli and His World
POLI SCI 366	Continental Political Thought
POLI SCI 460	Topics in Political Philosophy
POLI SCI/ILS 463	Deception and Politics
POLI SCI/ GEN&WS 469	Women and Politics
POLI SCI/ AFROAMER 519	African American Political Theory
POLI SCI 590	Study Abroad Topics in Political Science: Political Theory
Comparative Politics	
POLI SCI 120	Introduction to Comparative Politics
POLI SCI 182	Introduction to Comparative Politics (Honors)
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies
POLI SCI/ASIAN/ GEOG/HISTORY/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines
POLI SCI/GEOG/ HISTORY/ SLAVIC 253	Russia: An Interdisciplinary Survey
POLI SCI/GEOG/ HISTORY/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations
POLI SCI/ AFROAMER/ ANTHRO/ C&E SOC/ GEOG/HISTORY/ LACIS/SOC/ SPANISH 260	Latin America: An Introduction
POLI SCI/ AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ SOC 277	Africa: An Introductory Survey
POLI SCI/ AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI 324	Chinese Politics
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 330	Political Economy of Development
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 335	Social Identities
POLI SCI 336	Democracy (and Its Uncertain Future)
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society
POLI SCI 339	Non-Democracies

POLI SCI/ JEWISH 341	Israeli Politics and Society
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences
POLI SCI 349	Global Access to Justice
POLI SCI/ CHICLA/ HISTORY/ LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 370	Islam and Politics
POLI SCI/ CHICLA/ HISTORY 422	Latino History and Politics
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ INTL ST 431	Contentious Politics
POLI SCI/ RELIG ST 433	Religion and Politics
POLI SCI/ INTL ST 434	The Politics of Human Rights
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI 437	Nationalism and Ethnic Conflict
POLI SCI/ INTL ST 439	The Comparative Study of Genocide
POLI SCI 342	State-Building: How States Are Formed, Function, and Influence Society
POLI SCI 442	Honors Seminar on State-Building
POLI SCI 529	Arab-Israeli Conflict
POLI SCI 538	
POLI SCI 635	Comparative Politics of Sport
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
Total Credits	**9-12**

RESEARCH METHODS

Code	Title	Credits
Complete one course from:		3-4
POLI SCI 170	Research Methods in Political Science	
POLI SCI 270	Understanding Political Numbers	
POLI SCI 274	Political Choice and Strategy	
POLI SCI 348	Analysis of International Relations	
POLI SCI/ JOURN/ URB R PL 373	Introduction to Survey Research	
Total Credits		**3-4**

ELECTIVES

Additional POLI SCI courses to attain 30 credits in the major.[2]

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all POLI SCI courses and courses that count toward the major
- 2.000 GPA on 15 upper-level credits in the major, taken in residence[3]
- 15 credits in POLI SCI, taken on campus

HONORS IN THE MAJOR

To declare Honors in the Major, students must have at least one POLI SCI course for Honors, at least a 3.300 University GPA, and meet with the major advisor to discuss the requirements.

To earn Honors in the Major, students must satisfy the requirements for the major (above) *and* these additional requirements:

- Earn a 3.300 or higher University GPA
- Earn 3.500 GPA or higher in all POLI SCI courses
- Complete at least 15 credits in POLI SCI for Honors to include:[4]

Code	Title	Credits
Complete one of these Thesis sequences:		6
POLI SCI 681 & POLI SCI 682	Senior Honors Thesis and Senior Honors Thesis	
POLI SCI 683 & POLI SCI 684	Senior Honors Thesis Seminar and Senior Honors Thesis Seminar	
Additional POLI SCI courses taken for Honors [4]		9
Total Credits		**15**

FOOTNOTES

1 Courses may only meet one Distribution area. A course may meet both a Distribution and the Research Methods requirement, but will only be applied once toward the 30 credits required in the major.

2 No more than 6 total credits of Directed Study (POLI SCI 199, POLI SCI 698, POLI SCI 699) and Internship (POLI SCI 315) may count in the major.

3 POLI SCI courses numbered 300 and higher count as upper-level in the major.

4 A grade of B or higher is required to earn Honors credit.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop an understanding of and appreciation for the methods and approaches of diverse subfields in Political Science--#American Politics, Comparative Politics, International Relations, and Political Theory--#and their relevance to important theoretical and pragmatic questions.
2. Analyze different forms and practices of governance both democratic and non#democratic.
3. Argue effectively and defend propositions with intellectual integrity, while considering a range of alternative points of view and evidence.
4. Analyze relations among individuals, civil society, political institutions, and states.
5. Analyze the motivations and consequences of political decision# making and activities.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
POLI SCI 104, 120, 140, or 160	3-4	POLI SCI 104, 120, 140, or 160 (complete two)	3-4
Communications A	3	Literature Breadth	3
Quantitative Reasoning A	3	Foreign Language (if needed)	4
Foreign Language (if needed)	4		
	14		**15**

Second Year

Fall	Credits	Spring	Credits
Declare the major		POLI SCI elective	3
POLI SCI/CHICLA 231, 297, or 355 (satisfies Ethnic Studies requirement)	3-4	Communications B	4
POLI SCI 270, 274, or 348 (satisfies Quantitative Reasoning B requirement)	3-4	Physical Science Breadth	3
Biological Science Breadth	3	Literature Breadth	3
I/A COMP SCI, MATH or STAT (if BS)	3	I/A COMP SCI, MATH, or STAT (if BS)	3
INTER-LS 210	1		
	15		**16**

Third Year

Fall	Credits	Spring	Credits
POLI SCI course 300 and above	4	POLI SCI course 300 and above	3
Humanities Breadth	3	Humanities Breadth	3
Science Breadth	3	Science Breadth	3
Elective	4	Elective	6
		Apply for Senior Thesis (optional)[1]	
	14		**15**

Fourth Year

Fall	Credits	Spring	Credits
POLI SCI course 300 and above	4	POLI SCI course 300 and above	6
POLI SCI 681, 683, or 691 (optional)[1]	3-4	POLI SCI 682, 684, or 692 (optional)[1]	3-4
Elective	9	Elective	6
	16		**15**

Total Credits 120

[1] Students wishing to write a senior thesis (with or without Honors) should apply in the spring of their third year.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years with a Political Science major should enter the University with a minimum of 18 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 credits of any elective coursework
- 3-4 units of foreign language

Students missing one or more of these requirements upon entering the University should talk to their advisor about completing coursework over Summer terms to stay on track for a three year timeline.

First Year

Fall	Credits	Spring	Credits
POLI SCI 104, 120, 140, or 160	4	Declare the Major	
POLI SCI 104, 120, 140, or 160	4	POLI SCI 104, 120, 140, or 160	4
Biological Science Breadth	3	POLI SCI Elective	3
Literature Breadth	3	Communication B	4
Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (if BA)	3	Literature Breadth	3
		Physical Science Breadth	3
	17		**17**

Second Year

Fall	Credits	Spring	Credits
POLI SCI/CHICLA 231, 297, or 355 (satisfies Ethnic Studies)	3-4	POLI SCI course 300 and above	4
POLI SCI 270, 274, or 348 (satisfies Quantitative Reasoning B)	4	POLI SCI course 300 and above	3
Humanities Breadth	3	Humanities Breadth	3
Science Breadth	3	Intermediate or Advanced COMP SCI, MATH, or STAT (if BS) or Elective (Intermediate or Advanced level) (if BA)	3
Elective	3	Elective (Intermediate or Advanced level)	3
		INTER-LS 210	1
		Apply for Senior Thesis (optional)[1]	
	16-17		**17**

Third Year

Fall	Credits	Spring	Credits
POLI SCI course 300 and above	4	POLI SCI course 300 and above	4
POLI SCI 681, 683, or 691[1]	4	POLI SCI course 300 and above	3
Science Breadth	3	POLI SCI 682, 684, or 692[1]	4
Electives (Intermediate or Advanced level)	6	Electives (Intermediate or Advanced level)	6
	17		**17**

Total Credits 101-102

[1] Students wishing to write a senior thesis (with or without Honors) should apply in the spring of their second year.

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Political Science (https://polisci.wisc.edu/declare-major-2/) website.

ADVISING

The Department of Political Science has academic advisors who are available to meet with you to offer guidance on:

- course selection;
- program planning;
- internship opportunities;
- study abroad programs;
- scholarship opportunities;
- student research interests; and
- transfer and study abroad credits

Information about scheduling appointments can be found here (https://polisci.wisc.edu/advising-and-major-information/#advising). Please note that no advising appointments are scheduled via email.

ENROLLMENT INFORMATION

Political Science students who wish to enroll in the following courses must obtain prior consent/authorization:

- Directed Study
- Thesis
- Proseminars (varies by specific course; check footnotes in the class schedule)
- Specific Topic
- Other advanced-level coursework with consent of the instructor in lieu of other required courses.

Information and course descriptions are posted on the department website prior to each enrollment period. POLI SCI 315 Legislative Internship is available by application only. Specific deadlines will be announced each semester. Students with a classification making them ineligible for certain courses due to retroactive or AP credits may see the instructor for possible permission to enroll on a space available basis. Students who wish to enroll in a course that is closed may use the online wait list available through the Student Center in MyUW. The number of credits for variable credit courses is determined by course format and contact periods for a specific semester as noted in the class schedule. For graduate programs, see the Graduate section of this Guide (https://guide.wisc.edu/graduate/).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

POLITICAL SCIENCE, CERTIFICATE

There are many definitions of political science. But whether a definition focuses on the analysis of governmental structures, or influences on voter choice, or the relationship between national governments, or the best form of government, political science is about the systematic study of power. Whether power is exercised formally, as is the case between government and the individual, or informally, as is the case between individuals, it is the systematic study of power relationships that provides the subject matter for the discipline. Students studying political science obtain not only an understanding of the workings of government, but they also develop important skills in critical thinking and analysis. These skills make them ideal candidates for careers in law; in government at the state, national, and international levels; in business; in journalism; and in politics.

HOW TO GET IN

HOW TO GET IN

DECLARING THE CERTIFICATE

There are no pre-requisites for declaring the Political Science certificate. Students can declare at any time on the our website (https://polisci.wisc.edu/politicalsciencecertificate/#requirements-and-declaration). Political science majors are not eligible to declare the Political Science certificate.

REQUIREMENTS

REQUIREMENTS

Only 4 credits of Introductory requirement coursework will count in the certificate. Students must take at least one 3 credit Reading and Writing in Political Science course. Students may take more than one Reading and Writing in Political Science course to meet the certificate requirements; additional Reading and Writing in Political Science courses after the first count toward the required Intermediate and Advanced level Elective courses.

Code	Title	Credits
Introductory Course (complete one)		**3-4**
POLI SCI 104	Introduction to American Politics and Government	
POLI SCI 120	Introduction to Comparative Politics	
POLI SCI 140	Introduction to International Relations	
POLI SCI 160	Introduction to Political Theory	
POLI SCI 182	Introduction to Comparative Politics (Honors)	
Reading and Writing in Political Science (complete one)		**3-4**
POLI SCI 206	Introduction to Political Psychology	
POLI SCI 305	Elections and Voting Behavior	
POLI SCI 306	American Political Parties	
POLI SCI 324	Chinese Politics	
POLI SCI 330	Political Economy of Development	
POLI SCI/ JEWISH 341	Israeli Politics and Society	
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences	
POLI SCI 345	Conflict Resolution	
POLI SCI 347	Terrorism	
POLI SCI 354	International Institutions and World Order	
POLI SCI 359	American Foreign Policy	
POLI SCI 360	History of American Political Thought	
POLI SCI 364	Christian Political Thought	
POLI SCI 377	Nuclear Weapons and World Politics	
POLI SCI 408	The American Presidency	
POLI SCI 414	The Supreme Court as a Political Institution	
POLI SCI/ PUB AFFR 419	Administrative Law	
POLI SCI 425	The Political Psychology of Polarization	
POLI SCI/ LEGAL ST 445	Legal Writing, from Counselor to Advocate	
POLI SCI 460	Topics in Political Philosophy	
POLI SCI 470	The First Amendment	
POLI SCI 481	Honors Seminar on Race and Politics in the United States	
POLI SCI 529	Arab-Israeli Conflict	
POLI SCI 601	Proseminar: Topics in Political Science	
Electives		**8-10**
Any additional "Reading and Writing in Political Science" course from the list above, or any of the following courses:		
POLI SCI 205	Introduction to State Government	
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	

POLI SCI 272	Introduction to Public Policy
POLI SCI/ CHICLA 302	Mexican-American Politics
POLI SCI 304	The Political Economy of Race in the United States
POLI SCI 311	United States Congress
POLI SCI 314	Criminal Law and Justice
POLI SCI 315	Legislative Internship
POLI SCI 320	Governments and Politics of the Middle East and North Africa
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America
POLI SCI 328	Politics of East and Southeast Asia
POLI SCI 329	African Politics
POLI SCI 332	German Politics
POLI SCI 334	Russian Politics
POLI SCI 335	Social Identities
POLI SCI 336	Democracy (and Its Uncertain Future)
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society
POLI SCI 339	Non-Democracies
POLI SCI 340	The European Union: Politics and Political Economy
POLI SCI 342	State-Building: How States Are Formed, Function, and Influence Society
POLI SCI 343	Theories of International Security
POLI SCI 346	China in World Politics
POLI SCI 349	Global Access to Justice
POLI SCI 350	International Political Economy
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics
POLI SCI 356	Principles of International Law
POLI SCI 358	States in the World: Comparative Foreign Policy
POLI SCI 361	Contemporary American Political Thought
POLI SCI/ CLASSICS/ HISTORY 362	Athenian Democracy
POLI SCI 363	Literature and Politics
POLI SCI 366	Continental Political Thought
POLI SCI 370	Islam and Politics
POLI SCI 390	Study Abroad Topics in Political Science: International Relations
POLI SCI 400	Topics in Political Science
POLI SCI 401	Selected Topics in Political Science
POLI SCI 402	Wisconsin in Washington Internship Course
POLI SCI 405	State Government and Public Policy
POLI SCI 411	The American Constitution : Powers and Structures of Government
POLI SCI 412	The American Constitution: Rights and Civil Liberties
POLI SCI 416	Community Power and Grass Roots Politics
POLI SCI 417	The American Judicial System
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective
POLI SCI/ INTL ST 431	Contentious Politics
POLI SCI/ INTL ST 434	The Politics of Human Rights
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East
POLI SCI/ INTL ST 439	The Comparative Study of Genocide
POLI SCI/ILS 463	Deception and Politics
POLI SCI/ GEN&WS 469	Women and Politics
POLI SCI 490	Study Abroad Topics in Political Science: American Government
POLI SCI 511	Campaign Finance
POLI SCI 515	Public Opinion
POLI SCI/ AFROAMER 519	African American Political Theory
POLI SCI 590	Study Abroad Topics in Political Science: Political Theory
POLI SCI 602	Wisconsin in Washington Advanced Public Policy Course
POLI SCI 659	Politics and Society: Contemporary Eastern Europe
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics
Total Credits	**16**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all certificate courses
- At least 12 certificate credits must be completed on campus

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop an understanding of and appreciation for the methods and approaches in Political Science and their relevance to important theoretical and pragmatic questions.
2. Analyze different forms and practices of governance both democratic and non#democratic.
3. Argue effectively and defend propositions with intellectual integrity, while considering a range of alternative points of view and evidence.

4. Analyze relations among individuals, civil society, political institutions, and states.
5. Analyze the motivations and consequences of political decision# making and activities.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students who are declared or interested in the Political Science certificate have numerous advising resources available to them. The Political Science advising team is composed of professional and peer advisors who are excited to talk with students about everything from academic planning to professional development for future careers. Information on the advising team, how to contact an advisor, and how to schedule an appointment hours can be found on this website (https://polisci.wisc.edu/politicalsciencecertificate/).

INTERNSHIPS

The Department of Political Science recognizes the importance of internships in helping students develop professional skills and explore potential career paths. Positions can vary depending on availability and students' interests, but recent sponsors have included the Wisconsin State Legislature, the Office of the Governor, Sierra Club, and numerous nonprofit, media, lobbyist, and policy organizations in Wisconsin and throughout the country. Please see our internship board (https://polisci.wisc.edu/internship-board/) for examples of the wide array of opportunities. Political Science certificate students can also get academic credit in conjunction with an internship by taking POLI SCI 315 Legislative Internship.

ALUMNI MENTORING

Like internships, networking can be a valuable tool in opening professional doors and learning more about the professional value of the Political Science certificate. The department often matches students with alumni mentors drawn from our Board of Visitors (https://polisci.wisc.edu/board-of-visitors/) and other graduates who can help them get started building a professional network, answer questions about a specific field, provide guidance in applying for jobs or preparing for interviews, and provide general career advice.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

PSYCHOLOGY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Psychology, BA (p. 1265)
- Psychology, BS (p. 1269)

PSYCHOLOGY, BA

The Psychology major focuses on several areas in the field of psychological science: biological, clinical, cognition and cognitive neuroscience, perception, developmental, and social and personality.

Students in the major have opportunities to:

- learn about the multiple content areas of scientific psychology;
- develop the ability to think critically and quantitatively;
- enhance communication skills in the classroom and in writing;
- prepare for the most rigorous graduate and professional programs;
- apply the science of psychology to the well-being of citizens of Wisconsin and the global community.

Some students will go to graduate school and become the next generation of psychological scientists and educators who will create and disseminate new knowledge. Others will choose careers in other areas, including business, medicine, law, education, and counseling. Through its strong interdisciplinary connections with the natural sciences, social sciences, humanities, and medical sciences, scientific psychology is positioned well to influence critical issues for society. Because all courses in psychology emphasize critical thinking and the analysis of research, the Psychology major prepares students to take on the challenges of and fully participate in an increasingly complex, multicultural world.

HOW TO GET IN

HOW TO GET IN

Students who successfully complete PSYCH 202 (or equivalent) with a grade of C or better are eligible to declare the major.[1]

Please refer to the Department website for instructions on how to declare the major (https://psych.wisc.edu/undergraduate-program/major/#declare-the-major).

[1] Equivalents include a score of 4 or higher on the IB Psychology exam or or a score of 4 or 5 on the AP Psychology exam.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The major requires the completion of the six categories below (Foundation, Biology, Breadth, Depth, Capstone and Electives) and a minimum of 30 credits in PSYCH (https://guide.wisc.edu/courses/psych/) coursework.

FOUNDATION

Foundation courses provide a grounding in basic psychological facts and an understanding of the methodologies used to produce those facts. **Foundation courses are required** with ***grades of C or better*** in each course;

Code	Title	Credits
Introductory Psychology—one course: [1]		**3-4**
PSYCH 202	Introduction to Psychology	
Statistics—one course:		**3**
PSYCH 210	Basic Statistics for Psychology	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Research Methods—one course:		**4**
PSYCH 225	Research Methods	

BIOLOGY

Foundational knowledge in biology is critical to the study of psychological science and the understanding of human and animal behavior, as well as the brain sciences.

Code	Title	Credits
Introductory Biology—complete one of following: [2]		
BIOLOGY/ ZOOLOGY 101	Animal Biology	3
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6

BREADTH

Breadth courses familiarize students with the breadth of psychology in the following area groups: Biological, Clinical, Cognitive & Perceptual Science, Development, and Social & Personality. Complete one course from three different area groups for a total of three courses:

Biological

Code	Title	Credits
PSYCH 449	Animal Behavior	3-4
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
PSYCH 454	Behavioral Neuroscience	3-4
PSYCH/ ZOOLOGY 523	Neurobiology	3

Clinical

Code	Title	Credits
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 405	Adult Psychopathology	3-4

Cognitive and Perceptual Sciences

Code	Title	Credits
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3-4

Developmental

Code	Title	Credits
PSYCH/SOC 453	Human Sexuality	4
PSYCH 460	Child Development	3-4
PSYCH 462	Adolescent Development	3-4
PSYCH 464	Adult Development and Aging	3

Social and Personality

Code	Title	Credits
PSYCH 403	Psychology of Personality	3
PSYCH 456	Social Psychology	3-4
PSYCH/ GEN&WS 522	Psychology of Women and Gender	3

DEPTH

Depth courses allow students to engage in depth with material in specific content areas in psychology. Depth courses include both a lecture component and a required discussion/lab section for all students, and they help students develop a deeper understanding of particular areas of psychology. **Two courses** are required:

Code	Title	Credits
PSYCH 501	Depth Topic in Social Science (multiple separate topics offered each semester)	4
PSYCH 502	Cognitive Development	4
PSYCH 503	Social Development	4
PSYCH 505	Depth Topic in Biological Science	4
PSYCH 508	Psychology of Human Emotions: From Biology to Culture	4
PSYCH 507	Introduction to Clinical Psychology	4
PSYCH 510	Critical Issues in Child Psychopathology	4
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 515	Animal Cognition	4
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture	4
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 528	Cultural Psychology	4
PSYCH 532	Psychological Effects of the Internet	4

CAPSTONE

Capstone courses allow students to explore current research in psychology in a seminar setting. **One course** is required:

Code	Title	Credits
PSYCH 601	Current Topics in Psychology (many separate topics each semester)	3
PSYCH 602	Intermediate Statistics for Psychology	3
PSYCH 603	Epigenetics and the Brain	3
PSYCH 607	Introduction to Psychotherapy	3
PSYCH 612	Neuropharmacology	3
PSYCH 626	Issues in Prisoner Reentry	3

ELECTIVES

In addition to completion of the courses required above, students must complete at least **3 additional credits** in PSYCH (https://guide.wisc.edu/courses/psych/) in courses numbered **300 and above**. Students may complete any additional PSYCH course(s), including courses from: the Breadth, Depth, or Capstone areas, or directed/independent study and mentored research.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all PSYCH and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [3]
- 15 credits in PSYCH, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students who are declared psychology majors may opt to pursue Honors in the Major. Honors in the Major is especially appropriate for students who want more in-depth exposure and experiences in psychology courses, as

well as substantive research involvement in the Department. Honors in the Major also provides opportunities to develop leadership, writing, and critical thinking skills beneficial to a wide range of graduate programs and career choices.

Students must have a minimum GPA of 3.3 within the Psychology major as well as minimum GPA of 3.3 overall, and have met with a Psychology Advisor regarding Honors in the Major in order to declare their intent to complete Honors in the Major in Psychology.

Please refer to the Department website for instructions on how to declare intent to complete honors in the major (https://psych.wisc.edu/undergraduate-program/major/#honors-in-the-major).

HONORS IN THE PSYCHOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Psychology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all PSYCH and major courses
- Complete the following courses with Honors and a grade of B or higher:
  - PSYCH 380 (Junior year) or two semesters of PSYCH 686 Senior Thesis Seminar in Psychology (requires Fall and Spring enrollment)
  - Three Psychology Breadth and/or Depth courses OR Two Psychology Breadth and/or Depth courses and one of the following: PSYCH 210 Basic Statistics for Psychology or PSYCH 225 Research Methods
  - A two-semester Senior Honors Thesis in PSYCH 681 and PSYCH 682 for a total of 6 credits.

FOOTNOTES

[1] Equivalents may include credit awarded by appropriate scores on AP, IB, or A-level exams or transfer credit.

[2] A score of 4 or better on the IB Biology exam, or a score of 4 or 5 on the AP Biology exam will satisfy the Introductory Biology requirement.

[3] PSYCH 300–699 are upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Gain an appreciation for the contributions that psychology is making to our understanding of human and animal behavior.
2. Learn to analyze and construct arguments, define and solve problems, and understand and apply scientific reasoning.
3. Learn to communicate their ideas in a clear, organized, and compelling way.
4. Gain a specific understanding of how to use data and research methodology in their critical thinking.
5. Acquire an appreciation of and respect for individual differences and diversity of experiences and background.
6. Acquire the statistical and research skills used in the behavioral sciences.
7. Have the opportunity to evaluate the diverse professional opportunities in psychology.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Psych Breadth Course	3
Quantitative Reasoning A	3	ZOOLOGY/ BIOLOGY 101[1]	3
Foreign Language (if required)	3	Ethnic Studies	3
PSYCH 202	3-4	Literature Breadth	3
Physical Science Breadth	3	Electives	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Psych Breadth Course	3	PSYCH 210 (satisfies QR-B)[2]	3
Literature Breadth course	3	INTER-LS 210 (optional)	1
Physical Science Breadth (if needed)	3	Psych Breadth Course	3

Electives	6	Humanities Breadth	3
		Electives	5
	15		**15**

Third Year

Fall	Credits	Spring	Credits
PSYCH 225 (satisfies Com-B)	4	Psych Depth Course (may be taken in Fourth Year)	4
Humanities Breadth	3	Psych Elective (3 PSYCH elective credits needed)[3]	3
I/A Comp Sci, Math, or Stats (if needed for the BS)	3	Electives	8
Electives	5		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Psych Depth Course (Fall and/or Spring)	4	Electives	15
Psych Capstone (Fall or Spring)	3		
I/A Comp Sci, Math, or Stats (if required for the BS)	3		
Electives	5		
	15		**15**

Total Credits 120

1 Other courses satisfy the Biology requirement for this major. Consult the Requirements page and adjust your plan accordingly.

2 Or accepted Statistics course (STAT 324 or STAT 371); We recommend a Psych Breadth course before completing the statistics requirement.

3 PSYCH 300-699 are electives in the major.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Any current UW–Madison undergraduate student interested in the Psychology major is welcome to schedule an appointment using Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/64232/schedule) with a Psychology academic advisor.

For more information about psychology advising visit psych.wisc.edu/undergraduate-program/advising (http://psych.wisc.edu/undergraduate-program/advising/).

Are you a prospective student? The Department of Psychology welcomes prospective students to attend our Information Sessions held throughout the year. Please visit the Office of Admissions' Visit Bucky website (https://www.admissions.wisc.edu/visitbucky/) for information on dates and times of our Psychology Major Information Sessions.

CAREERS

Students who major in Psychology enter a wide variety of careers, both with and without education beyond a Bachelor's degree. The American Psychological Association with the Center for Workforce Studies has recent statistics on What do you do with a Psychology degree? CWS Data Tool: Careers in Psychology (https://www.apa.org/workforce/data-tools/careers-psychology/).

There are several campus resources to guide students in their career search. Students who are unsure about their desired major/career are encouraged to visit the Career Exploration Center (https://cec.ccas.wisc.edu/). The SuccessWorks at the College of Letters & Science (https://successworks.wisc.edu/) offers a variety of opportunities ranging from career assessment, resume writing, interviewing techniques, internships, graduate school, and more. Additionally, the Department of Psychology offers career support and resources (https://psych.wisc.edu/undergraduate-program/career-exploration/) for current students who have declared a Psychology major.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

PSYCHOLOGY, BS

The Psychology major focuses on several areas in the field of psychological science: biological, clinical, cognition and cognitive neuroscience, perception, developmental, and social and personality.

Students in the major have opportunities to:

- learn about the multiple content areas of scientific psychology;
- develop the ability to think critically and quantitatively;
- enhance communication skills in the classroom and in writing;
- prepare for the most rigorous graduate and professional programs;
- apply the science of psychology to the well-being of citizens of Wisconsin and the global community.

Some students will go to graduate school and become the next generation of psychological scientists and educators who will create and disseminate new knowledge. Others will choose careers in other areas, including business, medicine, law, education, and counseling. Through its strong

interdisciplinary connections with the natural sciences, social sciences, humanities, and medical sciences, scientific psychology is positioned well to influence critical issues for society. Because all courses in psychology emphasize critical thinking and the analysis of research, the Psychology major prepares students to take on the challenges of and fully participate in an increasingly complex, multicultural world.

HOW TO GET IN

HOW TO GET IN

Students who successfully complete PSYCH 202 (or equivalent) with a grade of C or better are eligible to declare the major.[1]

Please refer to the Department website for instructions on how to declare the major (https://psych.wisc.edu/undergraduate-program/major/#declare-the-major).

[1] Equivalents include a score of 4 or higher on the IB Psychology exam or or a score of 4 or 5 on the AP Psychology exam.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The major requires the completion of the six categories below (Foundation, Biology, Breadth, Depth, Capstone and Electives) and a minimum of 30 credits in PSYCH (https://guide.wisc.edu/courses/psych/) coursework.

FOUNDATION

Foundation courses provide a grounding in basic psychological facts and an understanding of the methodologies used to produce those

facts. **Foundation courses are required** with ***grades of C or better*** in each course;

Code	Title	Credits
Introductory Psychology—one course: [1]		**3-4**
PSYCH 202	Introduction to Psychology	
Statistics—one course:		**3**
PSYCH 210	Basic Statistics for Psychology	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Research Methods—one course:		**4**
PSYCH 225	Research Methods	

BIOLOGY

Foundational knowledge in biology is critical to the study of psychological science and the understanding of human and animal behavior, as well as the brain sciences.

Code	Title	Credits
Introductory Biology—complete one of following: [2]		
BIOLOGY/ ZOOLOGY 101	Animal Biology	3
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
BIOCORE 381 & BIOCORE 383	Evolution, Ecology, and Genetics and Cellular Biology	6

BREADTH

Breadth courses familiarize students with the breadth of psychology in the following area groups: Biological, Clinical, Cognitive & Perceptual Science, Development, and Social & Personality. Complete one course from three different area groups for a total of three courses:

Biological

Code	Title	Credits
PSYCH 449	Animal Behavior	3-4
PSYCH 450	Primate Psychology: Insights into Human Behavior	3
PSYCH 454	Behavioral Neuroscience	3-4
PSYCH/ ZOOLOGY 523	Neurobiology	3

Clinical

Code	Title	Credits
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 405	Adult Psychopathology	3-4

Cognitive and Perceptual Sciences

Code	Title	Credits
PSYCH 406	Psychology of Perception	3-4
PSYCH 414	Cognitive Psychology	3-4

Developmental

Code	Title	Credits
PSYCH/SOC 453	Human Sexuality	4
PSYCH 460	Child Development	3-4
PSYCH 462	Adolescent Development	3-4
PSYCH 464	Adult Development and Aging	3

Social and Personality

Code	Title	Credits
PSYCH 403	Psychology of Personality	3
PSYCH 456	Social Psychology	3-4
PSYCH/ GEN&WS 522	Psychology of Women and Gender	3

DEPTH

Depth courses allow students to engage in depth with material in specific content areas in psychology. Depth courses include both a lecture component and a required discussion/lab section for all students, and they help students develop a deeper understanding of particular areas of psychology. **Two courses** are required:

Code	Title	Credits
PSYCH 501	Depth Topic in Social Science (multiple separate topics offered each semester)	4
PSYCH 502	Cognitive Development	4
PSYCH 503	Social Development	4
PSYCH 505	Depth Topic in Biological Science	4
PSYCH 508	Psychology of Human Emotions: From Biology to Culture	4
PSYCH 507	Introduction to Clinical Psychology	4
PSYCH 510	Critical Issues in Child Psychopathology	4
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 515	Animal Cognition	4
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture	4
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 528	Cultural Psychology	4
PSYCH 532	Psychological Effects of the Internet	4

CAPSTONE

Capstone courses allow students to explore current research in psychology in a seminar setting. **One course** is required:

Code	Title	Credits
PSYCH 601	Current Topics in Psychology (many separate topics each semester)	3
PSYCH 602	Intermediate Statistics for Psychology	3
PSYCH 603	Epigenetics and the Brain	3
PSYCH 607	Introduction to Psychotherapy	3
PSYCH 612	Neuropharmacology	3
PSYCH 626	Issues in Prisoner Reentry	3

ELECTIVES

In addition to completion of the courses required above, students must complete at least **3 additional credits** in PSYCH (https://guide.wisc.edu/courses/psych/) in courses numbered **300 and above**. Students may complete any additional PSYCH course(s), including courses from: the

Breadth, Depth, or Capstone areas, or directed/independent study and mentored research.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all PSYCH and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [3]
- 15 credits in PSYCH, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students who are declared psychology majors may opt to pursue Honors in the Major. Honors in the Major is especially appropriate for students who want more in-depth exposure and experiences in psychology courses, as well as substantive research involvement in the Department. Honors in the Major also provides opportunities to develop leadership, writing, and critical thinking skills beneficial to a wide range of graduate programs and career choices.

Students must have a minimum GPA of 3.3 within the Psychology major as well as minimum GPA of 3.3 overall, and have met with a Psychology Advisor regarding Honors in the Major in order to declare their intent to complete Honors in the Major in Psychology.

Please refer to the Department website for instructions on how to declare intent to complete honors in the major (https://psych.wisc.edu/undergraduate-program/major/#honors-in-the-major).

HONORS IN THE PSYCHOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Psychology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA in all PSYCH and major courses
- Complete the following courses with Honors and a grade of B or higher:
  - PSYCH 380 (Junior year) or two semesters of PSYCH 686 Senior Thesis Seminar in Psychology (requires Fall and Spring enrollment)
  - Three Psychology Breadth and/or Depth courses OR Two Psychology Breadth and/or Depth courses and one of the following: PSYCH 210 Basic Statistics for Psychology or PSYCH 225 Research Methods
  - A two-semester Senior Honors Thesis in PSYCH 681 and PSYCH 682 for a total of 6 credits.

FOOTNOTES

[1] Equivalents may include credit awarded by appropriate scores on AP, IB, or A-level exams or transfer credit.

[2] A score of 4 or better on the IB Biology exam, or a score of 4 or 5 on the AP Biology exam will satisfy the Introductory Biology requirement.

[3] PSYCH 300–699 are upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Gain an appreciation for the contributions that psychology is making to our understanding of human and animal behavior.
2. Learn to analyze and construct arguments, define and solve problems, and understand and apply scientific reasoning.
3. Learn to communicate their ideas in a clear, organized, and compelling way.
4. Gain a specific understanding of how to use data and research methodology in their critical thinking.
5. Acquire an appreciation of and respect for individual differences and diversity of experiences and background.
6. Acquire the statistical and research skills used in the behavioral sciences.
7. Have the opportunity to evaluate the diverse professional opportunities in psychology.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Psych Breadth Course	3
Quantitative Reasoning A	3	ZOOLOGY/ BIOLOGY 101[1]	3
Foreign Language (if required)	3	Ethnic Studies	3
PSYCH 202	3-4	Literature Breadth	3
Physical Science Breadth	3	Electives	3
	15		**15**

Second Year

Fall	Credits	Spring	Credits
Psych Breadth Course	3	PSYCH 210 (satisfies QR-B)[2]	3
Literature Breadth course	3	INTER-LS 210 (optional)	1
Physical Science Breadth (if needed)	3	Psych Breadth Course	3
Electives	6	Humanities Breadth	3
		Electives	5
	15		**15**

Third Year

Fall	Credits	Spring	Credits
PSYCH 225 (satisfies Com-B)	4	Psych Depth Course (may be taken in Fourth Year)	4
Humanities Breadth	3	Psych Elective (3 PSYCH elective credits needed)[3]	3
I/A Comp Sci, Math, or Stats (if needed for the BS)	3	Electives	8
Electives	5		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Psych Depth Course (Fall and/or Spring)	4	Electives	15
Psych Capstone (Fall or Spring)	3		
I/A Comp Sci, Math, or Stats (if required for the BS)	3		
Electives	5		
	15		**15**

Total Credits 120

1 Other courses satisfy the Biology requirement for this major. Consult the Requirements page and adjust your plan accordingly.

2 Or accepted Statistics course (STAT 324 or STAT 371); We recommend a Psych Breadth course before completing the statistics requirement.

3 PSYCH 300-699 are electives in the major.

ADVISING AND CAREERS

ADVISING

Any current UW–Madison undergraduate student interested in the Psychology major is welcome to schedule an appointment using Starfish (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/64232/schedule) with a Psychology academic advisor.

For more information about psychology advising visit psych.wisc.edu/undergraduate-program/advising (http://psych.wisc.edu/undergraduate-program/advising/).

Are you a prospective student? The Department of Psychology welcomes prospective students to attend our Information Sessions held throughout the year. Please visit the Office of Admissions' Visit Bucky website (https://www.admissions.wisc.edu/visitbucky/) for information on dates and times of our Psychology Major Information Sessions.

CAREERS

Students who major in Psychology enter a wide variety of careers, both with and without education beyond a Bachelor's degree. The American Psychological Association with the Center for Workforce Studies has recent statistics on What do you do with a Psychology degree? CWS Data Tool: Careers in Psychology (https://www.apa.org/workforce/data-tools/careers-psychology/).

There are several campus resources to guide students in their career search. Students who are unsure about their desired major/career are encouraged to visit the Career Exploration Center (https://cec.ccas.wisc.edu/). The SuccessWorks at the College of Letters & Science (https://successworks.wisc.edu/) offers a variety of opportunities ranging from career assessment, resume writing, interviewing techniques, internships, graduate school, and more. Additionally, the Department of Psychology offers career support and resources (https://psych.wisc.edu/undergraduate-program/career-exploration/) for current students who have declared a Psychology major.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)

- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RELIGIOUS STUDIES

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Religious Studies, BA (p. 1274)
- Religious Studies, BS (p. 1278)
- Religious Studies, Certificate (p. 1281)

RELIGIOUS STUDIES, BA

Religious Studies is an academic discipline that looks at religious phenomena worldwide from different perspectives to understand the many roles that religion plays in human life. To this end, students of religion learn to use a variety of theoretical analyses and methods:

- historical methods to understand how religions develop in time;
- critical literary methods to understand religious ideas;
- aesthetic methods to understand religious art and material culture;
- social-scientific methods to understand the relationship between religion, society and culture.

Religious studies can also engage a variety of professional disciplines in analysis of how religion functions in economic, educational or political contexts, healthcare and scientific research, and others.

Some ways of studying religion emphasize understanding religions on their own terms, other ways use comparative methods to discern differences and similarities between religions. Students of religion also study ways that people use religious resources to make meaning outside the boundaries of religious institutions and identities. Above all, the field of religious studies requires a willingness to explore different ways of interpreting human life and diligent effort to develop understanding of how religious ideas, symbols, rituals and spaces serve as resources for people in a variety of contexts as they make sense of and live out their lives in the world. Thus, the Religious Studies major provides important preparation for thinking, communicating and functioning professionally and personally in a complex, multidimensional world.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Religious Studies certificate may not be declared in the Religious Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete 30 credits in Religious Studies course work, to include:

Code	Title	Credits
Gateway (Complete one course:)		**3**
RELIG ST 101	Religion in Global Perspective	
RELIG ST 102	Exploring Religion in Sickness and Health	
RELIG ST 103	Exploring Religion and Sexuality	
RELIG ST/ FOLKLORE 104	Sacred Places and Journeys	
RELIG ST 105	Religion and Popular Culture-Local and Global	
Middle Sequence		**15**
RELIG ST/ JEWISH 215	The Sabbath	
RELIG ST 280	Witches and Wizards: from Hecate to Harry Potter	
RELIG ST 300	America and Religions	
RELIG ST 320	Prophets and Poets: Women, Writing and Religion in a Time of War, 1642-1660	
RELIG ST/ AFRICAN 408	Everyday Religion in Africa	
RELIG ST 302	Christianity: Interpretation and Practice	
RELIG ST/ GEN&WS 305	Women, Gender and Religion	
RELIG ST/ASIAN/ HISTORY 308	Introduction to Buddhism	
RELIG ST/ HISTORY/ MEDIEVAL 309	The Crusades: Christianity and Islam	
RELIG ST 311	Sects and Cults	
RELIG ST/ JEWISH/ LITTRANS 328	Classical Rabbinic Literature in Translation	
RELIG ST/ HIST SCI/ MED HIST 331	Science, Medicine and Religion	
RELIG ST/ CLASSICS/ HEBR-BIB/ JEWISH/ LITTRANS 332	Prophets of the Bible	
RELIG ST 333	Early Christian Literature: Matthew-Revelation	
RELIG ST/ CLASSICS/ JEWISH 335	King David in History and Tradition	
RELIG ST/ JEWISH 340	The American Jewish Life of DNA	
RELIG ST/ FOLKLORE/ MEDIEVAL/ SCAND ST 342	Nordic Mythology	
RELIG ST/ ANTHRO 343	Anthropology of Religion	
RELIG ST/ FOLKLORE 352	Shamanism	
RELIG ST/ ASIAN 306	Hinduism	
RELIG ST/ENGL/ HISTORY 360	Early Medieval England	
RELIG ST 361	Early Christian Literature: Pauline Christianity	
RELIG ST/ AFRICAN/ ASIAN 370	Islam: Religion and Culture	
RELIG ST/ ART HIST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
RELIG ST/ COM ARTS 374	The Rhetoric of Religion	
RELIG ST 400	Topics in Religious Studies - Humanities	

RELIG ST 401	Topics in Religious Studies - Social Studies	
RELIG ST 403	Topics in Religious Studies-US Ethnic Studies	
RELIG ST 406	The Amish	
RELIG ST 410	Children and Religion in America	
RELIG ST/ HISTORY 411	The Enlightenment and Its Critics	
RELIG ST/ AFRICAN 414	Islam in Africa and the Diaspora	
RELIG ST 420	Religious Studies Colloquium	
RELIG ST/ POLI SCI 433	Religion and Politics	
RELIG ST/ ENGL 434	Milton	
RELIG ST/ ITALIAN/ MEDIEVAL 440	Poverty, Ecology and the Arts: St. Francis of Assisi	
RELIG ST/ ASIAN 466	Buddhist Thought	
RELIG ST/ ASIAN 473	Meditation in Indian Buddhism and Hinduism	
RELIG ST 475	Religion, Global and Public Health	
RELIG ST/ ART HIST 478	Art and Religious Practice in Medieval Japan	
RELIG ST 500	Advanced Topics in Religious Studies	
RELIG ST/ PHILOS 501	Philosophy of Religion	
RELIG ST/ CURRIC/ ED POL 516	Religion and Public Education	
RELIG ST/ CLASSICS/ HISTORY 517	Religions of the Ancient Mediterranean	
RELIG ST/ ASIAN 650	Proseminar in Buddhist Thought	
Capstone		
RELIG ST 600	Religion in Critical Perspective	3
Electives: Any course from RELIG ST 100 through 699		**9**
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all RELIG ST and major courses
- 2.000 GPA on 15 Upper-Level credits for the major, taken in residence[1]
- 15 credits in RELIG ST or the major, taken on campus

[1] Courses counting as upper-level in the major are any RELIG ST courses at the Intermediate or Advanced level.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Religious Studies undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and these additional requirements:

- Minimum 3.300 University GPA
- Minimum 3.500 GPA in all RELIG ST and all major courses
- Complete 12 credits, taken for Honors, with individual grades of B or better, to include:
  - RELIG ST 600
  - RELIG ST 681 and RELIG ST 682 for at least 6 credits.
  - 3 additional credits of Intermediate or Advanced level RELIG ST and major courses

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Proficiency in close reading, interpretation, and written and oral analysis.
2. Proficiency in accessing, appraising, and utilizing a variety of resources and methods for research across disciplinary lines.
3. Proficiency in categorizing, analyzing and comparing diverse systems of value and belief in a variety of contexts.
4. Global and local religious literacy; identifying, evaluating, and interpreting the interrelationships and impact of religious worldviews and communities in Wisconsin, the United States and globally.
5. Ability to conduct and present sustained research on primary sources using methodologies/analysis of religious studies culminating in the senior capstone project.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
RELIG ST 101, 102, 103, 104, or 105	3	RELIG ST course meeting Literature Breadth[1]	3
Communication A	3	RELIG ST elective	3
Quantitative Reasoning A	3-4	Biological Science Breadth	3
Foreign Language (if needed)	4	Social Science Breadth	3
Elective	3	Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
RELIG ST course with Literature Breadth[1]	3	RELIG ST/ILS 234 or 236 (meets Communication B requirement)	3
Quantitative Reasoning B	3	RELIG ST/ FOLKLORE 352 or 403 (meets Ethnic Studies requirement)	3
Social Science Breadth	3	Physical Science Breadth	3
Elective	4	I/A COMP SCI, MATH or STAT (if needed for BS)	3
INTER-LS 210	1	Elective	4
	14		**16**

Third Year

Fall	Credits	Spring	Credits
RELIG ST Elective (numbered 300 or above)	6	RELIG ST Elective (numbered 300 or above)	9
Social Science Breadth	3	Science Breadth	3
I/A COMP SCI, MATH or STAT (if needed for BS)	3	Social Science Breadth	3
Elective	4		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
RELIG ST Elective (numbered 300 or above)	3	RELIG ST Electives	6
Science Breadth	3	Elective	9
Electives	4	RELIG ST 600	3
	10		**18**

Total Credits 120

[1] Consult the Course Search & Enroll tool for a comprehensive list of RELIG ST courses designated for Literature Breadth.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Dr. Corrie Norman (cenorman@wisc.edu) is the undergraduate advisor and Honors in the Major advisor. Students are encouraged to meet with Dr. Norman early to plan for successful completion and take advantage of opportunities such as Honors, special research, internship, service learning or study abroad opportunities in associate with the major or certificate.

Because Religious Studies is an interdisciplinary major drawing upon many subject areas, some courses may have requisites that must be fulfilled even though the requisites themselves are not part of the Religious Studies major's courses. Students are responsible for ensuring that they have met all the requisites to enroll in a course. See: Religious Studies courses (https://guide.wisc.edu/courses/relig_st/).

CAREERS

Religious studies engages a variety of professional disciplines and provides important preparation for thinking, communicating, and functioning professionally in a complex, multi-dimensional world.

Religious studies sponsors workshops and other career exploration vehicles, often in collaboration with SuccessWorks at the College of Letters & Science, to aid students in articulating the value of religious studies for their career preparation. Student-developed capstone projects often make specific connections to experiential learning and career preparation in a range of fields. Talk with Dr. Norman about possibilities for combining internships and other forms of preprofessional training with the major and certificate.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)

- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RELIGIOUS STUDIES, BS

Religious Studies is an academic discipline that looks at religious phenomena worldwide from different perspectives to understand the many roles that religion plays in human life. To this end, students of religion learn to use a variety of theoretical analyses and methods:

- historical methods to understand how religions develop in time;
- critical literary methods to understand religious ideas;
- aesthetic methods to understand religious art and material culture;
- social-scientific methods to understand the relationship between religion, society and culture.

Religious studies can also engage a variety of professional disciplines in analysis of how religion functions in economic, educational or political contexts, healthcare and scientific research, and others.

Some ways of studying religion emphasize understanding religions on their own terms, other ways use comparative methods to discern differences and similarities between religions. Students of religion also study ways that people use religious resources to make meaning outside the boundaries of religious institutions and identities. Above all, the field of religious studies requires a willingness to explore different ways of interpreting human life and diligent effort to develop understanding of how religious ideas, symbols, rituals and spaces serve as resources for people in a variety of contexts as they make sense of and live out their lives in the world. Thus, the Religious Studies major provides important preparation for thinking, communicating and functioning professionally and personally in a complex, multidimensional world.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Religious Studies certificate may not be declared in the Religious Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.

L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Students must complete 30 credits in Religious Studies course work, to include:

Code	Title	Credits
Gateway (Complete one course:)		**3**
RELIG ST 101	Religion in Global Perspective	
RELIG ST 102	Exploring Religion in Sickness and Health	
RELIG ST 103	Exploring Religion and Sexuality	
RELIG ST/ FOLKLORE 104	Sacred Places and Journeys	
RELIG ST 105	Religion and Popular Culture-Local and Global	
Middle Sequence		**15**
RELIG ST/ JEWISH 215	The Sabbath	
RELIG ST 280	Witches and Wizards: from Hecate to Harry Potter	
RELIG ST 300	America and Religions	
RELIG ST 320	Prophets and Poets: Women, Writing and Religion in a Time of War, 1642-1660	
RELIG ST/ AFRICAN 408	Everyday Religion in Africa	
RELIG ST 302	Christianity: Interpretation and Practice	
RELIG ST/ GEN&WS 305	Women, Gender and Religion	
RELIG ST/ASIAN/ HISTORY 308	Introduction to Buddhism	
RELIG ST/ HISTORY/ MEDIEVAL 309	The Crusades: Christianity and Islam	
RELIG ST 311	Sects and Cults	
RELIG ST/ JEWISH/ LITTRANS 328	Classical Rabbinic Literature in Translation	
RELIG ST/ HIST SCI/ MED HIST 331	Science, Medicine and Religion	
RELIG ST/ CLASSICS/ HEBR-BIB/ JEWISH/ LITTRANS 332	Prophets of the Bible	
RELIG ST 333	Early Christian Literature: Matthew-Revelation	
RELIG ST/ CLASSICS/ JEWISH 335	King David in History and Tradition	
RELIG ST/ JEWISH 340	The American Jewish Life of DNA	
RELIG ST/ FOLKLORE/ MEDIEVAL/ SCAND ST 342	Nordic Mythology	
RELIG ST/ ANTHRO 343	Anthropology of Religion	
RELIG ST/ FOLKLORE 352	Shamanism	
RELIG ST/ ASIAN 306	Hinduism	
RELIG ST/ENGL/ HISTORY 360	Early Medieval England	
RELIG ST 361	Early Christian Literature: Pauline Christianity	
RELIG ST/ AFRICAN/ ASIAN 370	Islam: Religion and Culture	
RELIG ST/ ART HIST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
RELIG ST/ COM ARTS 374	The Rhetoric of Religion	
RELIG ST 400	Topics in Religious Studies - Humanities	
RELIG ST 401	Topics in Religious Studies - Social Studies	
RELIG ST 403	Topics in Religious Studies-US Ethnic Studies	
RELIG ST 406	The Amish	
RELIG ST 410	Children and Religion in America	
RELIG ST/ HISTORY 411	The Enlightenment and Its Critics	

RELIG ST/ AFRICAN 414	Islam in Africa and the Diaspora	
RELIG ST 420	Religious Studies Colloquium	
RELIG ST/ POLI SCI 433	Religion and Politics	
RELIG ST/ ENGL 434	Milton	
RELIG ST/ ITALIAN/ MEDIEVAL 440	Poverty, Ecology and the Arts: St. Francis of Assisi	
RELIG ST/ ASIAN 466	Buddhist Thought	
RELIG ST/ ASIAN 473	Meditation in Indian Buddhism and Hinduism	
RELIG ST 475	Religion, Global and Public Health	
RELIG ST/ ART HIST 478	Art and Religious Practice in Medieval Japan	
RELIG ST 500	Advanced Topics in Religious Studies	
RELIG ST/ PHILOS 501	Philosophy of Religion	
RELIG ST/ CURRIC/ ED POL 516	Religion and Public Education	
RELIG ST/ CLASSICS/ HISTORY 517	Religions of the Ancient Mediterranean	
RELIG ST/ ASIAN 650	Proseminar in Buddhist Thought	
Capstone		
RELIG ST 600	Religion in Critical Perspective	3
Electives: Any course from RELIG ST 100 through 699		**9**
Total Credits		**30**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all RELIG ST and major courses
- 2.000 GPA on 15 Upper-Level credits for the major, taken in residence[1]
- 15 credits in RELIG ST or the major, taken on campus

[1] Courses counting as upper-level in the major are any RELIG ST courses at the Intermediate or Advanced level.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Religious Studies undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and these additional requirements:

- Minimum 3.300 University GPA
- Minimum 3.500 GPA in all RELIG ST and all major courses
- Complete 12 credits, taken for Honors, with individual grades of B or better, to include:
  - RELIG ST 600
  - RELIG ST 681 and RELIG ST 682 for at least 6 credits.
  - 3 additional credits of Intermediate or Advanced level RELIG ST and major courses

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Proficiency in close reading, interpretation, and written and oral analysis.
2. Proficiency in accessing, appraising, and utilizing a variety of resources and methods for research across disciplinary lines.
3. Proficiency in categorizing, analyzing and comparing diverse systems of value and belief in a variety of contexts.
4. Global and local religious literacy; identifying, evaluating, and interpreting the interrelationships and impact of religious worldviews and communities in Wisconsin, the United States and globally.
5. Ability to conduct and present sustained research on primary sources using methodologies/analysis of religious studies culminating in the senior capstone project.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic

advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
RELIG ST 101, 102, 103, 104, or 105	3	RELIG ST course meeting Literature Breadth[1]	3
Communication A	3	RELIG ST elective	3
Quantitative Reasoning A	3-4	Biological Science Breadth	3
Foreign Language (if needed)	4	Social Science Breadth	3
Elective	3	Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
RELIG ST course with Literature Breadth[1]	3	RELIG ST/ILS 234 or 236 (meets Communication B requirement)	3
Quantitative Reasoning B	3	RELIG ST/ FOLKLORE 352 or 403 (meets Ethnic Studies requirement)	3
Social Science Breadth	3	Physical Science Breadth	3
Elective	4	I/A COMP SCI, MATH or STAT (if needed for BS)	3
INTER-LS 210	1	Elective	4
	14		**16**

Third Year

Fall	Credits	Spring	Credits
RELIG ST Elective (numbered 300 or above)	6	RELIG ST Elective (numbered 300 or above)	9
Social Science Breadth	3	Science Breadth	3
I/A COMP SCI, MATH or STAT (if needed for BS)	3	Social Science Breadth	3
Elective	4		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
RELIG ST Elective (numbered 300 or above)	3	RELIG ST Electives	6
Science Breadth	3	Elective	9
Electives	4	RELIG ST 600	3
	10		**18**

Total Credits 120

[1] Consult the Course Search & Enroll tool for a comprehensive list of RELIG ST courses designated for Literature Breadth.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Dr. Corrie Norman (cenorman@wisc.edu) is the undergraduate advisor and Honors in the Major advisor. Students are encouraged to meet with Dr. Norman early to plan for successful completion and take advantage of opportunities such as Honors, special research, internship, service learning or study abroad opportunities in associate with the major or certificate.

Because Religious Studies is an interdisciplinary major drawing upon many subject areas, some courses may have requisites that must be fulfilled even though the requisites themselves are not part of the Religious Studies major's courses. Students are responsible for ensuring that they have met all the requisites to enroll in a course. See: Religious Studies courses (https://guide.wisc.edu/courses/relig_st/).

CAREERS

Religious studies engages a variety of professional disciplines and provides important preparation for thinking, communicating, and functioning professionally in a complex, multi-dimensional world.

Religious studies sponsors workshops and other career exploration vehicles, often in collaboration with SuccessWorks at the College of Letters & Science, to aid students in articulating the value of religious studies for their career preparation. Student-developed capstone projects often make specific connections to experiential learning and career preparation in a range of fields. Talk with Dr. Norman about possibilities for combining internships and other forms of preprofessional training with the major and certificate.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
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RELIGIOUS STUDIES, CERTIFICATE

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many roles that religion plays in human life. To this end, students of religion learn to use a variety of theoretical analyses and methods:

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Religious studies can also engage a variety of professional disciplines in analysis of how religion functions in economic, educational or political contexts, healthcare and scientific research, and others.

Some ways of studying religion emphasize understanding religions on their own terms, other ways use comparative methods to discern differences and similarities between religions. Students of religion also study ways that people use religious resources to make meaning outside the boundaries of religious institutions and identities. Above all, the field of religious studies requires a willingness to explore different ways of interpreting human life and diligent effort to develop understanding of how religious ideas, symbols, rituals and spaces serve as resources for people in a variety of contexts as they make sense of and live out their lives in the world. Thus, the Religious Studies major provides important preparation for thinking, communicating and functioning professionally and personally in a complex, multidimensional world.

HOW TO GET IN

HOW TO GET IN

A certificate in religious studies is available to all undergraduates and special students studying at UW–Madison.

Students who wish to declare their intention to major or earn a certificate in religious studies must meet with the undergraduate advisor during regular office hours or by making an appointment. Students are encouraged to do this early in their academic careers in order to plan for successful completion and take advantage of opportunities such as Honors, special research, internship, service learning, or study abroad opportunities in associate with the major or certificate.

Dr. Corrie Norman is the undergraduate advisor and Honors in the Major advisor. Contact her by email at cenorman@wisc.edu.

Students pursuing the Religious Studies Certificate may not be declared in the Religious Studies major at the same time. Students who do wish to declare this major must first cancel their declaration in the Religious Studies Certificate.

REQUIREMENTS

REQUIREMENTS

To earn the certificate, students must complete 15 credits from:

Code	Title	Credits
Gateway Courses, Select one of the following:		3
RELIG ST 101	Religion in Global Perspective	
RELIG ST 102	Exploring Religion in Sickness and Health	
RELIG ST 103	Exploring Religion and Sexuality	
RELIG ST/ FOLKLORE 104	Sacred Places and Journeys	
RELIG ST 105	Religion and Popular Culture-Local and Global	
Capstone Course:		
RELIG ST 600	Religion in Critical Perspective	3
Additional Courses:		9
Select an additional 9 credits in RELIG ST courses to bring total credits to at least 15 credits. To view additional courses, follow the link below to the Religious Studies course list page in the Guide.		
Religious Studies course offerings (https://guide.wisc.edu/courses/relig_st/)		
Total Credits		**15**

RESIDENCE & QUALITY OF WORK

- Minimum 2.000 GPA in all RELIG ST and certificate courses.
- At least 9 credits for the certificate must be earned in residence.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Proficiency in close reading, interpretation, and written and oral analysis.
2. Proficiency in accessing, appraising, and utilizing a variety of resources and methods for research across disciplinary lines.
3. Proficiency in categorizing, analyzing and comparing diverse systems of value and belief in a variety of contexts.
4. Global and local religious literacy; identifying, evaluating, and interpreting the interrelationships and impact of religious worldviews and communities in Wisconsin, the United States and globally.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
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SANDRA ROSENBAUM SCHOOL OF SOCIAL WORK

Social work's special contribution rests on an established body of knowledge, values and skills pertinent to understanding human relationships and the interaction between people as individuals, in families, groups, organizations, and communities.

Undergraduates in the Sandra Rosenbaum School of Social Work receive a liberal arts education in the social and behavioral sciences and their application to human problems that prepares them to be informed citizens involved in human services or social welfare problems and policies. Students take courses in a variety of social sciences to enable them to view social welfare in its broad social, economic, and political contexts.

Social Work courses (https://guide.wisc.edu/courses/soc_work/) offer a theoretical understanding of social problems and an introduction to practice methods used by social workers. The curriculum covers areas such as aging, family and child welfare, poverty, mental health, developmental disabilities, substance use disorders, diversity, race and ethnicity, criminal justice, oppression and social, economic and environmental justice, and at-risk populations.

MISSION

The mission of the UW–Madison Sandra Rosenbaum School of Social Work is to enhance human well-being and promote human rights and social and economic justice to achieve an equitable, healthy, and productive society. The school aims to:

- create, advance, strengthen, and integrate interdisciplinary knowledge for students and the profession through research, scholarship, teaching, and practice;
- educate students to become highly skilled, culturally competent, and ethical practitioners who will provide effective leadership for the profession of social work within the State of Wisconsin, nationally, and internationally;
- promote change at levels ranging from the individual to national and international policy, including empowering communities and populations that are disadvantaged and developing humane service delivery systems; and
- create and disseminate knowledge regarding the prevention and amelioration of social problems.

UNDERGRADUATE DEGREE PROGRAMS

The Sandra Rosenbaum School of Social Work offers a Bachelor of Social Work (p. 1300) (BSW) degree and a Social Welfare major for the Bachelor of Arts (p. 1285) (BA) or Bachelor of Science (p. 1292) (BS) degrees. All three programs prepare students for further academic study or for employment in selected human service arenas. The Bachelor of Social Work prepares students as beginning-level professional social workers. The Social Welfare major offers an overview of current social problems.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Aging Studies, Certificate (p. 1283)
- Social Welfare, BA (p. 1285)
- Social Welfare, BS (p. 1292)
- Social Work, BSW (p. 1300)

AGING STUDIES, CERTIFICATE

Elevate your expertise in aging through the Certificate in Aging Studies. This certificate addresses the urgent need for professionals trained to support the growing population of older adults and enhance students' marketability in the field. It provides undergraduate students with comprehensive knowledge of the aging process from biological, psychological, and social perspectives. Designed to complement various degree programs, the certificate offers an interdisciplinary approach,

allowing students to tailor their studies to their career interests with guidance from academic advisors.

HOW TO GET IN

HOW TO GET IN

Any undergraduate regardless of major or college affiliation may earn this certificate. Students must contact the certificate program advisor to declare the certificate.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Core Courses (complete one of the following):		**3**
PSYCH 464	Adult Development and Aging	
SOC WORK/ SOC 422	Social Issues in Aging	
SOC 575	Sociological Perspectives on the Life Course and Aging	
Policies and Systems (complete one of the following):		**2-4**
ECON 355	The Economics of Growing-up and Getting Old	
ECON/R M I 530	Insuring Life's Risks: Health, Aging, and Policy	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
PUB AFFR 201	Introduction to Health Policy in the United States	
PHILOS/ MED HIST 505	Justice and Health Care	
SOC WORK/ NURSING/ S&A PHM 105	Health Care Systems: Interdisciplinary Approach	
Depth of Study (complete 6 credits):		**6-7**
Complete additional Core Courses or Policy Systems Courses or any of the following:		
ANTHRO 265	Introduction to Culture and Health	
BIOCHEM/ NUTR SCI 645	Molecular Control of Metabolism and Metabolic Disease	
B M E/I SY E 662	Design and Human Disability and Aging	
SOC/ C&E SOC 343	Sociology of Health and Medicine	
SOC/ C&E SOC 532	Health Care Issues for Individuals, Families and Society	
COM ARTS 318	Introduction to Health Communication	
COUN PSY 531	Prevention and Intervention in Mental Health Across the Lifespan	
HDFS 263	Development from Adolescence to Old Age	
HDFS 516	Stress and Resilience in Families Across the Lifespan	
I SY E 417	Health Systems Engineering	
KINES 116	First Aid and Basic Life Support	
KINES 150	Foundations of Health Behavior and Health Equity	
KINES 225	Introduction to Physical Activity Programming for Diverse Abilities	
KINES 521	Physical Activity and Health	
LEGAL ST 473	Health Impacts of Unmet Social Needs	
PHILOS/ MED HIST 558	Ethical Issues in Health Care	
NURSING 433	Nursing Care of the Older Adult	
NURSING 511	Community Supports for People with Dementia	
NUTR SCI 655	Nutrition in Aging	
SOC WORK 648	Social Work Practice in Palliative Care	
Total Credits		**12**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA in all certificate courses
- At least 6 certificate credits must be completed in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the interdisciplinary nature of aging as a combination of psychological, social, and biological processes.
2. Identify and dispel commonly held myths and stereotypes regarding older adults and aging.
3. Recognize how older adults are impacted by evolving intersecting identities such as age, race, ethnicity, gender, income, class, sexual orientation, and ability.
4. Compare and contrast current theory and research in interdisciplinary gerontology both in the U.S. and globally.
5. Evaluate how individual and compounded biopsychosocial issues can affect an older adult's overall health and wellbeing, as well as those who work with and care for them.

ADVISING AND CAREERS

ADVISING AND CAREERS

Please contact one of the School of Social Work academic advisor with your questions and to declare this certificate.

Advising appointments for current UW–Madison students are made through Starfish or by calling 608-263-3660.

This certificate will better prepare students to meet the evolving needs and opportunities of an aging society. Students who earn this certificate may consider careers in health care, social services, policy making, and community organizations.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SOCIAL WELFARE, BA

The Sandra Rosenbaum School of Social Work core mission is to enhance human well-being and promote human rights and social and economic justice for people who are disadvantaged to achieve an equitable, healthy, and productive society. Cultural humility, anti-oppressive practice, and social justice are values central to the profession of social work and our school. Social work seeks to actively confront racism.

Undergraduates in the Sandra Rosenbaum School of Social Work receive a liberal arts education in the social and behavioral sciences and their application to human problems that prepares them to be informed citizens involved in human services or social welfare problems and policies. Students majoring in Social Welfare leverage their understanding of the historical context of social work and the systems and policies that underlie our society and learn strategies to address social, racial, economic, and environmental justice and political contexts. Students take courses in a variety of social sciences to enable them to view social welfare in its broad social, economic, and political contexts. The Social Welfare major offers an overview of current social problems and prepares students for further academic study or for employment in selected human service arenas.

Social work's special contribution rests on an established body of knowledge, values, and skills pertinent to understanding human relationships and the interaction between people as individuals, in families, groups, organizations, and communities. Social work courses offer a theoretical understanding of social problems and an introduction to practice methods used by social workers. The curriculum covers areas such as aging, family and child welfare, poverty, mental health, developmental disabilities, substance use disorders, diversity, race and ethnicity, criminal justice, oppression and social, economic and environmental justice, and at-risk populations.

Graduates with the Social Welfare major go on to work at nonprofit organizations and federal, state, and local governments. Many go on to complete graduate degrees in Social Work, Counseling, Sociology, Psychology, Gender and Women's Studies, and Law, among other degrees in the social sciences and beyond.

Read more about the School and its mission: socwork.wisc.edu/about (https://socwork.wisc.edu/about/)

CERTIFICATE PROGRAMS

Students in the Social Welfare major or the Bachelor of Social Work degree often choose from a variety of certificate programs (https://guide.wisc.edu/explore-majors/#filter=filter_45) available. Common certificates include African American Studies (p. 387), American Indian and Indigenous Studies (p. 401), Business (p. 1411), Chicano/a and Latino/a Studies (p. 581), Criminal Justice (p. 548), Gender and Women's Studies (p. 743), Global Health (p. 147), LGBTQ+ Studies (p. 746), South Asian Studies (p. 972), and Southeast Asian Studies (p. 975), among others.

HOW TO GET IN

HOW TO GET IN

Students can declare the social welfare major as early as the freshman year as long as they are enrolled in SOC WORK 205 and/or SOC WORK 206. To declare the major, students should make an appointment (https://socwork.wisc.edu/students/advising/) and meet with one of the social welfare academic advisors at the School of Social Work.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Complete a minimum of 32 credits, to be attained via the requirements detailed below.

SOCIAL WELFARE POLICY & SERVICES

Code	Title	Credits
Complete both:		
SOC WORK 205	Introduction to the Field of Social Work	4
SOC WORK 206	Introduction to Social Policy	4

SOCIAL SCIENCE CONCENTRATION [1]

Complete two Intermediate or Advanced level courses from **one** of the following social science concentration areas available from ten departments:

African American Studies

Code	Title	Credits
AFROAMER 302	Undergraduate Studies in Afro-American History	3
AFROAMER 303	Blacks, Film, and Society	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 333	Black Feminisms	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
AFROAMER/ LEGAL ST 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3-4
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER/ ED POL 567	History of African American Education	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER 671	Selected Topics in Afro-American History	3

AFROAMER 673	Selected Topics in Afro-American Society	3

American Indian and Indigenous Studies

Code	Title	Credits
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ANTHRO 314	Indians of North America	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
AMER IND 450	Issues in American Indian Studies	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AMER IND/ C&E SOC/SOC 578	Poverty and Place	3
AMER IND/ SOC WORK 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3

Anthropology

Code	Title	Credits
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/ AMER IND 314	Indians of North America	3
ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 322	The Origins of Civilization	3
ANTHRO/ RELIG ST 343	Anthropology of Religion	3-4
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	3
ANTHRO 348	Economic Anthropology	3-4
ANTHRO 350	Political Anthropology	3-4
ANTHRO/ GEN&WS 443	Anthropology by Women	3
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	3-4
ANTHRO 477	Anthropology, Environment, and Development	3
ANTHRO 545	Psychological Anthropology	3
ANTHRO/ ED POL 570	Anthropology and Education	3

Asian American Studies

Code	Title	Credits
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM 240	Topics in Asian American Studies	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
ASIAN AM 540	Special Topics	3

Chicana/o and Latina/o Studies

Code	Title	Credits
CHICLA/ POLI SCI 231	Politics in Multi-Cultural Societies	3-4
CHICLA 301	Chicana/o and Latina/o History	3
CHICLA/ POLI SCI 302	Mexican-American Politics	3-4
CHICLA 315	Racial Formation and Whiteness	3
CHICLA/ CURRIC 321	Chicano/Latino Educational Justice	3
CHICLA 329	Education and Service Topics in Chicana/o & Latina/o Studies	3
CHICLA 330	Topics in Chicano/a Studies	3-4
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	3
CHICLA/HISTORY/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
CHICLA/LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	3-4
CHICLA/LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement	3-4
CHICLA/SOC 470	Sociodemographic Analysis of Mexican Migration	3
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	3
CHICLA 501	Chican@ and Latin@ Social Movements in the U.S.	3
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services	3

Economics

Code	Title	Credits
ECON/ FINANCE 300	Introduction to Finance	3
ECON 301	Intermediate Microeconomic Theory	4
ECON 302	Intermediate Macroeconomic Theory	4
ECON/HIST SCI 305	Development of Economic Thought	3-4
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process	3
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	3
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	3
ECON/ FINANCE 320	Investment Theory	3
ECON 321	Sports Economics	3-4
ECON 330	Money and Banking	4
ECON 340	Microeconomics in Popular Culture	3
ECON/A A E/ ENVIR ST 343	Environmental Economics	3-4
ECON 355	The Economics of Growing-up and Getting Old	3-4
ECON 370	Economics of Poverty and Inequality	3

ECON 390	Contemporary Economic Issues	3
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	3
ECON 441	Analytical Public Finance	3-4
ECON/ENVIR ST/ POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
ECON 450	Wages and the Labor Market	3-4
ECON 461	International Macroeconomics	3-4
ECON/A A E/ INTL BUS 462	Latin American Economic Development	3
ECON 464	International Trade	3-4
ECON/ HISTORY 466	The American Economy Since 1865	3-4
ECON 467	International Industrial Organizations	3-4
ECON/A A E 474	Economic Problems of Developing Areas	3
ECON 475	Economics of Growth	3-4
ECON 521	Game Theory and Economic Analysis	3-4
ECON 522	Law and Economics	3-4
ECON/PHILOS 524	Philosophy and Economics	3
ECON/A A E/ F&W ECOL 531	Natural Resource Economics	3
ECON/POP HLTH/ PUB AFFR 548	The Economics of Health Care	3-4
ECON 623	Population Economics	3-4
ECON 661	Issues in International Macroeconomics	3-4
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	3

Gender and Women's Studies

Code	Title	Credits
GEN&WS/CHICLA/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism	3
GEN&WS 320	Special Topics in Gender, Women and Society	3
GEN&WS/ PSYCH 322	Sexual & Relationship Violence Research & Activism	3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	3-4
GEN&WS/ LEGAL ST/SOC 406	Law, Sexuality, & Society	3-4
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS 420	Women in Cross-Societal Perspective	3
GEN&WS/ LEGAL ST 422	Women and the Law	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ LEGAL ST/SOC 425	Crime, Gender and Justice	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS/ ANTHRO 443	Anthropology by Women	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ POLI SCI 469	Women and Politics	3-4
GEN&WS/ GEOG 504	Feminist Geography: Theoretical Approaches	3
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS/ PSYCH 522	Psychology of Women and Gender	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 539	Special Topics in Gender and Health	3
GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ ED POL 560	Gender and Education	3

Political Science

Code	Title	Credits
POLI SCI 205	Introduction to State Government	3-4
POLI SCI/ LEGAL ST 217	Law, Politics and Society	3-4
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	3-4
POLI SCI 272	Introduction to Public Policy	3-4

POLI SCI/ CHICLA 302	Mexican-American Politics	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 305	Elections and Voting Behavior	3-4
POLI SCI 306	American Political Parties	3-4
POLI SCI 311	United States Congress	3-4
POLI SCI 314	Criminal Law and Justice	3-4
POLI SCI 330	Political Economy of Development	3
POLI SCI 335	Social Identities	3
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society	3
POLI SCI 343	Theories of International Security	3-4
POLI SCI 345	Conflict Resolution	3-4
POLI SCI 347	Terrorism	3
POLI SCI 348	Analysis of International Relations	3-4
POLI SCI 350	International Political Economy	3-4
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI 356	Principles of International Law	3-4
POLI SCI 358	States in the World: Comparative Foreign Policy	3-4
POLI SCI 359	American Foreign Policy	3-4
POLI SCI 405	State Government and Public Policy	3-4
POLI SCI 408	The American Presidency	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
POLI SCI 414	The Supreme Court as a Political Institution	3
POLI SCI 416	Community Power and Grass Roots Politics	3
POLI SCI 417	The American Judicial System	3-4
POLI SCI/ PUB AFFR 419	Administrative Law	3-4
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective	3-4
POLI SCI/ INTL ST 431	Contentious Politics	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	3-4
POLI SCI 461	Interdisciplinary Seminar in Political Economy, Philosophy, & Politics	3
POLI SCI/ILS 463	Deception and Politics	4
POLI SCI/ GEN&WS 469	Women and Politics	3-4
POLI SCI 470	The First Amendment	3-4
POLI SCI 511	Campaign Finance	3-4
POLI SCI 515	Public Opinion	3-4
POLI SCI 538		3-4
POLI SCI 601	Proseminar: Topics in Political Science	3
POLI SCI 635	Comparative Politics of Sport	3-4

Psychology

Code	Title	Credits
PSYCH 311	Issues in Psychology	3-4
PSYCH/ GEN&WS 322	Sexual & Relationship Violence Research & Activism	3
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 403	Psychology of Personality	3
PSYCH 405	Adult Psychopathology	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH/SOC 453	Human Sexuality	4
PSYCH 456	Social Psychology	3-4
PSYCH 460	Child Development	3-4
PSYCH 462	Adolescent Development	3-4
PSYCH 464	Adult Development and Aging	3
PSYCH 502	Cognitive Development	4
PSYCH 503	Social Development	4
PSYCH 508	Psychology of Human Emotions: From Biology to Culture	4
PSYCH 510	Critical Issues in Child Psychopathology	4
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture	4
PSYCH/ GEN&WS 522	Psychology of Women and Gender	3
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 528	Cultural Psychology	4
PSYCH 532	Psychological Effects of the Internet	4
PSYCH 607	Introduction to Psychotherapy	3

Sociology

Code	Title	Credits
SOC 181	Honors Introductory Seminar-The Sociological Enterprise	3-4
SOC/C&E SOC 210	Survey of Sociology	3-4
SOC/C&E SOC 211	The Sociological Enterprise	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4
SOC/A A E/ C&E SOC 340	Issues in Food Systems	3-4
SOC/C&E SOC 341	Labor in Global Food Systems	3
SOC/C&E SOC 343	Sociology of Health and Medicine	3
SOC/GEN&WS/ LEGAL ST 406	Law, Sexuality, & Society	3-4
SOC 421	Processes of Deviant Behavior	3-4

SOC/ SOC WORK 422	Social Issues in Aging	3
SOC/ILS/ JEWISH 423	Modern Jewish Thought	3
SOC/GEN&WS/ LEGAL ST 425	Crime, Gender and Justice	3
SOC/CHICLA/ LEGAL ST 440	Ethnicity, Race, and Justice	3-4
SOC 441	Criminology	3-4
SOC/CHICLA/ LEGAL ST 443	Immigration, Crime, and Enforcement	3-4
SOC 444	Social Psychology: A Sociological Perspective	3-4
SOC 446	Juvenile Delinquency	3-4
SOC/PSYCH 453	Human Sexuality	4
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SOC/C&E SOC 475	Classical Sociological Theory	3
SOC 476	Contemporary Sociological Theory	3
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 535	Talk and Social Interaction	3
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
SOC 543	Collective Behavior	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC 624	Political Sociology	3
SOC 626	Social Movements	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3
SOC 632	Sociology of Organizations	3-4
SOC 633	Social Stratification	3
SOC 640	Sociology of the Family	3
SOC/LAW/ LEGAL ST 641	Sociology of Law	3-4
SOC/C&E SOC/ URB R PL 645	Modern American Communities	3
SOC/ED POL 648	Sociology of Education	3
SOC/C&E SOC 650	Sociology of Agriculture	3
SOC/C&E SOC 652	Sociology of Economic Institutions	3
SOC/HISTORY 670	Capitalism, Socialism, and Democracy in America Since 1890	3-4
SOC 678	Sociology of Persecution	3

HUMAN BEHAVIOR & THE SOCIAL ENVIRONMENT

Code	Title	Credits
Complete both:		
SOC WORK 457	Human Behavior and the Environment	3
SOC WORK 640	Diversity, Oppression and Social Justice in Social Work	3

STATISTICS & RESEARCH

Code	Title	Credits
Statistics		
Complete one course from:		3-4
STAT 301	Introduction to Statistical Methods (recommended)	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
or PSYCH 210	Basic Statistics for Psychology	
or SOC/ C&E SOC 360	Statistics for Sociologists I	
Research		
Complete one course from:		3-4
SOC WORK 650	Methods of Social Work Research	
or PSYCH 225	Research Methods	
or SOC/ C&E SOC 357	Methods of Sociological Inquiry	
Total Credits		**6-8**

ELECTIVES IN SOCIAL WELFARE

Complete **two** Intermediate or Advanced level SOC WORK courses and **at least 6 total credits** of Social Work electives. Not all courses in the list below are offered in each semester or year.

List of Elective Soc Work Courses

Code	Title	Credits
SOC WORK 336	Making Sense of Mental Health & Mental Illness	3
SOC WORK 375	Contemporary Issues in Social Welfare	2-3
SOC WORK 420	Poverty and Social Welfare	3
SOC WORK/ SOC 422	Social Issues in Aging	3
SOC WORK 453	Substance Use Disorders	3
SOC WORK 454	Small Groups in Social Work Practice	3
SOC WORK 462	Child Welfare	3
SOC WORK 578	Homelessness: A Service Learning Course	4
SOC WORK 623	Interpersonal Violence	3
SOC WORK 624	Social Work with the Small Group	3
SOC WORK 627	Sex Trafficking and Sex Trading	2
SOC WORK/ AMER IND 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3

SOC WORK 639	Social Work Practice with LGBTQIA2S+ Individuals and Communities	3
SOC WORK 644	Issues in Developmental Disabilities	3
SOC WORK 646	Child Abuse and Neglect	2
SOC WORK 648	Social Work Practice in Palliative Care	2
SOC WORK 656	Child Welfare Practice in Foster and Kinship Care, Permanency, and Adoption	2
SOC WORK 675	Topics in Contemporary Social Welfare	2-3
SOC WORK 691	Senior Thesis [2]	2
SOC WORK 692	Senior Thesis [2]	2
SOC WORK 699	Directed Study [2,3]	2-3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SOC WORK and all major courses
- 2.000 GPA on 15 upper-level major credits taken in residence[4]
- 15 credits in SOC WORK, taken on the UW–Madison campus

FOOTNOTES

1 Social Science Concentration courses listed are a selected list of eligible courses. Consult with a Social Work advisor for other exceptions or additions to the list.

2 Students with an interest in a particular area of study may develop a plan of independent work with the assistance of an interested Social Work faculty member. They may obtain information about instructors and their areas of interest from the School of Social Work website. Consent of instructor is required for the noted course offerings in independent work.

3 No more than 3 credits of SOC WORK 699 may be used to meet this requirement.

4 PSYCH 225, SOC/C&E SOC 357, STAT 301, STAT 371, PSYCH 210, and SOC/C&E SOC 360, and all SOC WORK courses designated as Intermediate or Advanced level count as upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify the historical foundations of the US social welfare system and the social work profession
2. Recognize human differences and how social welfare systems interact with these differences to shape opportunities and outcomes for individuals, groups, and communities.
3. Demonstrate an ability to critically evaluate research with respect to its relevance, quality, and utility for addressing social welfare issues.
4. Synthesize and communicate knowledge relevant to social welfare issues.
5. Practice self-awareness of one’s values, beliefs, and biases regarding the causes and consequences of social welfare issues.
6. Connect awareness of self, systems and social welfare knowledge to promote human dignity and justice.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Social Welfare majors are encouraged to gain social service experience through volunteer work. See the Social Work advisors or contact the Morgridge Center for Public Service (http://www.morgridge.wisc.edu/), 263-2432, for information on volunteering.

Students wishing to apply to the Bachelor of Social Work (BSW) program must do so in spring of Junior year.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	Communication B	3
Quantitative Reasoning A	3-4	Elective	3
SOC WORK 100[1]	3	Natural Science Breadth (or Physical Science if BS)	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Elective	3	Elective (Intermediate/ Advanced-level)	3
	16		**16**

Sophomore

Fall	Credits	Spring	Credits
SOC WORK 205 (can be taken Freshman or Sophomore year)	4	SOC WORK 206 (can be taken Freshman or Sophomore year)	4
Foreign Language (if needed)	4	Foreign Language (if needed; or Intermediate/ Advanced level Comp Sci, Math, Stats if BS)	3-4
Biological Sciences Breadth	3	Physical Science Breadth	3-4
Humanities Breadth	3-4	Literature Breadth	3-4
	14		**14**

Junior

Fall	Credits	Spring	Credits
SOC WORK 640	3	SOC WORK 457	3
STAT 301, 371, PSYCH 210, or SOC 360 (Take STAT 301 or STAT 371 if BS)	3-4	SOC WORK 650, PSYCH 225, or SOC 357[3]	3
Social Science Concentration course[2]	3-4	Literature Breadth	3
Humanities Breadth	3	SOC WORK elective (Intermediate/Advanced level)	2-4
Electives (I/A-level)	3	Social Science Concentration course[2]	3-4
	15		**15**

Senior

Fall	Credits	Spring	Credits
SOC WORK elective (Intermediate/Advanced level)	2-4	SOC WORK elective (Intermediate/Advanced level)	2-4
Natural Science Breadth (or Biological Science if BS)	3	Electives (Intermediate/ Advanced level)	3-4
Electives (Intermediate/ Advanced level)	3-4	Electives (Intermediate/ Advanced level)	3-4
Electives (Intermediate/ Advanced level)	3-4	Electives (Intermediate/ Advanced level)	3-4
Electives (Intermediate/ Advanced level)	3-4	Electives (Intermediate/ Advanced level)	3-4
	15		**15**

Total Credits 120

1 Note: SOC WORK 100 is a pre-major elective course that can be taken in the first year, if offered; it is not required for the major.

2 Take two Intermediate or Advanced level courses from one of the following social science departments: African American Studies, American Indian and Indigenous Studies, Anthropology, Asian American Studies, Chicana/o and Latina/o Studies, Economics, Gender and Women's Studies, Political Science, Psychology, Sociology.

3 SOC WORK 650 is often available in the summer. Check with an Advisor for course availability and how summer courses might fit into your schedule.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students interested in either the Social Welfare major or Bachelor of Social Work meet with the Social Work advisors to discuss degree requirements; explore career paths; declare the major; and confer on student issues and concerns. Advisors are an excellent resource for information about campus and community services. Students should see an advisor at least once each semester to review academic progress.

Advising appointments for current UW–Madison students are made through Starfish (https://wisc.starfishsolutions.com/starfish-ops/) or by calling 608-263-3660.

Social Work faculty members are available for advice about coursework, research, and the social work profession in general.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SOCIAL WELFARE, BS

The Sandra Rosenbaum School of Social Work core mission is to enhance human well-being and promote human rights and social and economic justice for people who are disadvantaged to achieve an equitable, healthy, and productive society. Cultural humility, anti-oppressive practice, and social justice are values central to the profession of social work and our school. Social work seeks to actively confront racism.

Undergraduates in the Sandra Rosenbaum School of Social Work receive a liberal arts education in the social and behavioral sciences and their application to human problems that prepares them to be informed citizens involved in human services or social welfare problems and policies. Students majoring in Social Welfare leverage their understanding of the historical context of social work and the systems and policies that underlie our society and learn strategies to address social, racial, economic, and environmental justice and political contexts. Students take courses in a variety of social sciences to enable them to view social welfare in its broad social, economic, and political contexts. The Social Welfare major offers an overview of current social problems and prepares students

for further academic study or for employment in selected human service arenas.

Social work's special contribution rests on an established body of knowledge, values, and skills pertinent to understanding human relationships and the interaction between people as individuals, in families, groups, organizations, and communities. Social work courses offer a theoretical understanding of social problems and an introduction to practice methods used by social workers. The curriculum covers areas such as aging, family and child welfare, poverty, mental health, developmental disabilities, substance use disorders, diversity, race and ethnicity, criminal justice, oppression and social, economic and environmental justice, and at-risk populations.

Graduates with the Social Welfare major go on to work at nonprofit organizations and federal, state, and local governments. Many go on to complete graduate degrees in Social Work, Counseling, Sociology, Psychology, Gender and Women's Studies, and Law, among other degrees in the social sciences and beyond.

Read more about the School and its mission: socwork.wisc.edu/about (https://socwork.wisc.edu/about/)

CERTIFICATE PROGRAMS

Students in the Social Welfare major or the Bachelor of Social Work degree often choose from a variety of certificate programs (https://guide.wisc.edu/explore-majors/#filter=filter_45) available. Common certificates include African American Studies (p. 387), American Indian and Indigenous Studies (p. 401), Business (p. 1411), Chicano/a and Latino/a Studies (p. 581), Criminal Justice (p. 548), Gender and Women's Studies (p. 743), Global Health (p. 147), LGBTQ+ Studies (p. 746), South Asian Studies (p. 972), and Southeast Asian Studies (p. 975), among others.

HOW TO GET IN

HOW TO GET IN

Students can declare the social welfare major as early as the freshman year as long as they are enrolled in SOC WORK 205 and/or SOC WORK 206. To declare the major, students should make an appointment (https://socwork.wisc.edu/students/advising/) and meet with one of the social welfare academic advisors at the School of Social Work.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Complete a minimum of 32 credits, to be attained via the requirements detailed below.

SOCIAL WELFARE POLICY & SERVICES

Code	Title	Credits
Complete both:		
SOC WORK 205	Introduction to the Field of Social Work	4
SOC WORK 206	Introduction to Social Policy	4

SOCIAL SCIENCE CONCENTRATION [1]

Complete two Intermediate or Advanced level courses from **one** of the following social science concentration areas available from ten departments:

African American Studies

Code	Title	Credits
AFROAMER 302	Undergraduate Studies in Afro-American History	3
AFROAMER 303	Blacks, Film, and Society	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 333	Black Feminisms	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
AFROAMER/ LEGAL ST 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3-4
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER/ ED POL 567	History of African American Education	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER 671	Selected Topics in Afro-American History	3
AFROAMER 673	Selected Topics in Afro-American Society	3

American Indian and Indigenous Studies

Code	Title	Credits
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ANTHRO 314	Indians of North America	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
AMER IND 450	Issues in American Indian Studies	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AMER IND/ C&E SOC/SOC 578	Poverty and Place	3
AMER IND/ SOC WORK 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3

Anthropology

Code	Title	Credits
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/ AMER IND 314	Indians of North America	3
ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 322	The Origins of Civilization	3
ANTHRO/ RELIG ST 343	Anthropology of Religion	3-4
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	3
ANTHRO 348	Economic Anthropology	3-4
ANTHRO 350	Political Anthropology	3-4
ANTHRO/ GEN&WS 443	Anthropology by Women	3
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	3-4
ANTHRO 477	Anthropology, Environment, and Development	3
ANTHRO 545	Psychological Anthropology	3
ANTHRO/ ED POL 570	Anthropology and Education	3

Asian American Studies

Code	Title	Credits
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM 240	Topics in Asian American Studies	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
ASIAN AM 540	Special Topics	3

Chicana/o and Latina/o Studies

Code	Title	Credits
CHICLA/ POLI SCI 231	Politics in Multi-Cultural Societies	3-4
CHICLA 301	Chicana/o and Latina/o History	3
CHICLA/ POLI SCI 302	Mexican-American Politics	3-4
CHICLA 315	Racial Formation and Whiteness	3
CHICLA/ CURRIC 321	Chicano/Latino Educational Justice	3
CHICLA 329	Education and Service Topics in Chicana/o & Latina/o Studies	3
CHICLA 330	Topics in Chicano/a Studies	3-4
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	3
CHICLA/HISTORY/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
CHICLA/LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	3-4
CHICLA/LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement	3-4
CHICLA/SOC 470	Sociodemographic Analysis of Mexican Migration	3
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	3
CHICLA 501	Chican@ and Latin@ Social Movements in the U.S.	3
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services	3

Economics

Code	Title	Credits
ECON/ FINANCE 300	Introduction to Finance	3
ECON 301	Intermediate Microeconomic Theory	4
ECON 302	Intermediate Macroeconomic Theory	4
ECON/HIST SCI 305	Development of Economic Thought	3-4
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process	3
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	3
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	3
ECON/ FINANCE 320	Investment Theory	3
ECON 321	Sports Economics	3-4
ECON 330	Money and Banking	4
ECON 340	Microeconomics in Popular Culture	3
ECON/A A E/ ENVIR ST 343	Environmental Economics	3-4
ECON 355	The Economics of Growing-up and Getting Old	3-4
ECON 370	Economics of Poverty and Inequality	3
ECON 390	Contemporary Economic Issues	3
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	3
ECON 441	Analytical Public Finance	3-4
ECON/ENVIR ST/ POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
ECON 450	Wages and the Labor Market	3-4
ECON 461	International Macroeconomics	3-4
ECON/A A E/ INTL BUS 462	Latin American Economic Development	3
ECON 464	International Trade	3-4
ECON/ HISTORY 466	The American Economy Since 1865	3-4
ECON 467	International Industrial Organizations	3-4
ECON/A A E 474	Economic Problems of Developing Areas	3
ECON 475	Economics of Growth	3-4
ECON 521	Game Theory and Economic Analysis	3-4
ECON 522	Law and Economics	3-4
ECON/PHILOS 524	Philosophy and Economics	3
ECON/A A E/ F&W ECOL 531	Natural Resource Economics	3
ECON/POP HLTH/ PUB AFFR 548	The Economics of Health Care	3-4
ECON 623	Population Economics	3-4
ECON 661	Issues in International Macroeconomics	3-4
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	3

Gender and Women's Studies

Code	Title	Credits
GEN&WS/CHICLA/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism	3
GEN&WS 320	Special Topics in Gender, Women and Society	3
GEN&WS/ PSYCH 322	Sexual & Relationship Violence Research & Activism	3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/ CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS/ HISTORY 353	Women and Gender in the U.S. to 1870	3-4

GEN&WS/ HISTORY 354	Women and Gender in the U.S. Since 1870	3-4
GEN&WS/ LEGAL ST/SOC 406	Law, Sexuality, & Society	3-4
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS 420	Women in Cross-Societal Perspective	3
GEN&WS/ LEGAL ST 422	Women and the Law	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ LEGAL ST/SOC 425	Crime, Gender and Justice	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS/ ANTHRO 443	Anthropology by Women	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ POLI SCI 469	Women and Politics	3-4
GEN&WS/ GEOG 504	Feminist Geography: Theoretical Approaches	3
GEN&WS/ HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS/ PSYCH 522	Psychology of Women and Gender	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 539	Special Topics in Gender and Health	3
GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ ED POL 560	Gender and Education	3

Political Science

Code	Title	Credits
POLI SCI 205	Introduction to State Government	3-4
POLI SCI/ LEGAL ST 217	Law, Politics and Society	3-4
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	3-4
POLI SCI 272	Introduction to Public Policy	3-4
POLI SCI/ CHICLA 302	Mexican-American Politics	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 305	Elections and Voting Behavior	3-4
POLI SCI 306	American Political Parties	3-4
POLI SCI 311	United States Congress	3-4
POLI SCI 314	Criminal Law and Justice	3-4
POLI SCI 330	Political Economy of Development	3
POLI SCI 335	Social Identities	3
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society	3
POLI SCI 343	Theories of International Security	3-4
POLI SCI 345	Conflict Resolution	3-4
POLI SCI 347	Terrorism	3
POLI SCI 348	Analysis of International Relations	3-4
POLI SCI 350	International Political Economy	3-4
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI 356	Principles of International Law	3-4
POLI SCI 358	States in the World: Comparative Foreign Policy	3-4
POLI SCI 359	American Foreign Policy	3-4
POLI SCI 405	State Government and Public Policy	3-4
POLI SCI 408	The American Presidency	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
POLI SCI 414	The Supreme Court as a Political Institution	3
POLI SCI 416	Community Power and Grass Roots Politics	3
POLI SCI 417	The American Judicial System	3-4
POLI SCI/ PUB AFFR 419	Administrative Law	3-4
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective	3-4
POLI SCI/ INTL ST 431	Contentious Politics	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	3-4
POLI SCI 461	Interdisciplinary Seminar in Political Economy, Philosophy, & Politics	3
POLI SCI/ILS 463	Deception and Politics	4
POLI SCI/ GEN&WS 469	Women and Politics	3-4

POLI SCI 470	The First Amendment	3-4
POLI SCI 511	Campaign Finance	3-4
POLI SCI 515	Public Opinion	3-4
POLI SCI 538		3-4
POLI SCI 601	Proseminar: Topics in Political Science	3
POLI SCI 635	Comparative Politics of Sport	3-4

Psychology

Code	Title	Credits
PSYCH 311	Issues in Psychology	3-4
PSYCH/ GEN&WS 322	Sexual & Relationship Violence Research & Activism	3
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 403	Psychology of Personality	3
PSYCH 405	Adult Psychopathology	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH/SOC 453	Human Sexuality	4
PSYCH 456	Social Psychology	3-4
PSYCH 460	Child Development	3-4
PSYCH 462	Adolescent Development	3-4
PSYCH 464	Adult Development and Aging	3
PSYCH 502	Cognitive Development	4
PSYCH 503	Social Development	4
PSYCH 508	Psychology of Human Emotions: From Biology to Culture	4
PSYCH 510	Critical Issues in Child Psychopathology	4
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture	4
PSYCH/ GEN&WS 522	Psychology of Women and Gender	3
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 528	Cultural Psychology	4
PSYCH 532	Psychological Effects of the Internet	4
PSYCH 607	Introduction to Psychotherapy	3

Sociology

Code	Title	Credits
SOC 181	Honors Introductory Seminar-The Sociological Enterprise	3-4
SOC/C&E SOC 210	Survey of Sociology	3-4
SOC/C&E SOC 211	The Sociological Enterprise	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4
SOC/A A E/ C&E SOC 340	Issues in Food Systems	3-4
SOC/C&E SOC 341	Labor in Global Food Systems	3
SOC/C&E SOC 343	Sociology of Health and Medicine	3
SOC/GEN&WS/ LEGAL ST 406	Law, Sexuality, & Society	3-4
SOC 421	Processes of Deviant Behavior	3-4
SOC/ SOC WORK 422	Social Issues in Aging	3
SOC/ILS/ JEWISH 423	Modern Jewish Thought	3
SOC/GEN&WS/ LEGAL ST 425	Crime, Gender and Justice	3
SOC/CHICLA/ LEGAL ST 440	Ethnicity, Race, and Justice	3-4
SOC 441	Criminology	3-4
SOC/CHICLA/ LEGAL ST 443	Immigration, Crime, and Enforcement	3-4
SOC 444	Social Psychology: A Sociological Perspective	3-4
SOC 446	Juvenile Delinquency	3-4
SOC/PSYCH 453	Human Sexuality	4
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SOC/C&E SOC 475	Classical Sociological Theory	3
SOC 476	Contemporary Sociological Theory	3
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 535	Talk and Social Interaction	3
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
SOC 543	Collective Behavior	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC 624	Political Sociology	3
SOC 626	Social Movements	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3
SOC 632	Sociology of Organizations	3-4
SOC 633	Social Stratification	3
SOC 640	Sociology of the Family	3
SOC/LAW/ LEGAL ST 641	Sociology of Law	3-4
SOC/C&E SOC/ URB R PL 645	Modern American Communities	3
SOC/ED POL 648	Sociology of Education	3
SOC/C&E SOC 650	Sociology of Agriculture	3
SOC/C&E SOC 652	Sociology of Economic Institutions	3
SOC/HISTORY 670	Capitalism, Socialism, and Democracy in America Since 1890	3-4
SOC 678	Sociology of Persecution	3

HUMAN BEHAVIOR & THE SOCIAL ENVIRONMENT

Code	Title	Credits
Complete both:		
SOC WORK 457	Human Behavior and the Environment	3
SOC WORK 640	Diversity, Oppression and Social Justice in Social Work	3

STATISTICS & RESEARCH

Code	Title	Credits
Statistics		
Complete one course from:		3-4
STAT 301	Introduction to Statistical Methods (recommended)	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
or PSYCH 210	Basic Statistics for Psychology	
or SOC/ C&E SOC 360	Statistics for Sociologists I	
Research		
Complete one course from:		3-4
SOC WORK 650	Methods of Social Work Research	
or PSYCH 225	Research Methods	
or SOC/ C&E SOC 357	Methods of Sociological Inquiry	
Total Credits		**6-8**

ELECTIVES IN SOCIAL WELFARE

Complete **two** Intermediate or Advanced level SOC WORK courses and **at least 6 total credits** of Social Work electives. Not all courses in the list below are offered in each semester or year.

List of Elective Soc Work Courses

Code	Title	Credits
SOC WORK 336	Making Sense of Mental Health & Mental Illness	3
SOC WORK 375	Contemporary Issues in Social Welfare	2-3
SOC WORK 420	Poverty and Social Welfare	3
SOC WORK/ SOC 422	Social Issues in Aging	3
SOC WORK 453	Substance Use Disorders	3
SOC WORK 454	Small Groups in Social Work Practice	3
SOC WORK 462	Child Welfare	3
SOC WORK 578	Homelessness: A Service Learning Course	4
SOC WORK 623	Interpersonal Violence	3
SOC WORK 624	Social Work with the Small Group	3
SOC WORK 627	Sex Trafficking and Sex Trading	2
SOC WORK/ AMER IND 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
SOC WORK 639	Social Work Practice with LGBTQIA2S+ Individuals and Communities	3
SOC WORK 644	Issues in Developmental Disabilities	3
SOC WORK 646	Child Abuse and Neglect	2
SOC WORK 648	Social Work Practice in Palliative Care	2
SOC WORK 656	Child Welfare Practice in Foster and Kinship Care, Permanency, and Adoption	2
SOC WORK 675	Topics in Contemporary Social Welfare	2-3
SOC WORK 691	Senior Thesis [2]	2
SOC WORK 692	Senior Thesis [2]	2
SOC WORK 699	Directed Study [2,3]	2-3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SOC WORK and all major courses
- 2.000 GPA on 15 upper-level major credits taken in residence[4]
- 15 credits in SOC WORK, taken on the UW–Madison campus

FOOTNOTES

1. Social Science Concentration courses listed are a selected list of eligible courses. Consult with a Social Work advisor for other exceptions or additions to the list.
2. Students with an interest in a particular area of study may develop a plan of independent work with the assistance of an interested Social Work faculty member. They may obtain information about instructors and their areas of interest from the School of Social Work website. Consent of instructor is required for the noted course offerings in independent work.
3. No more than 3 credits of SOC WORK 699 may be used to meet this requirement.
4. PSYCH 225, SOC/C&E SOC 357, STAT 301, STAT 371, PSYCH 210, and SOC/C&E SOC 360, and all SOC WORK courses designated as Intermediate or Advanced level count as upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work

Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify the historical foundations of the US social welfare system and the social work profession
2. Recognize human differences and how social welfare systems interact with these differences to shape opportunities and outcomes for individuals, groups, and communities.
3. Demonstrate an ability to critically evaluate research with respect to its relevance, quality, and utility for addressing social welfare issues.
4. Synthesize and communicate knowledge relevant to social welfare issues.
5. Practice self-awareness of one's values, beliefs, and biases regarding the causes and consequences of social welfare issues.
6. Connect awareness of self, systems and social welfare knowledge to promote human dignity and justice.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Social Welfare majors are encouraged to gain social service experience through volunteer work. See the Social Work advisors or contact the Morgridge Center for Public Service (http://www.morgridge.wisc.edu/), 263-2432, for information on volunteering.

Students wishing to apply to the Bachelor of Social Work (BSW) program must do so in spring of Junior year.

Freshman

Fall	Credits	Spring	Credits
Communication A	3	Communication B	3
Quantitative Reasoning A	3-4	Elective	3
SOC WORK 100[1]	3	Natural Science Breadth (or Physical Science if BS)	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Elective	3	Elective (Intermediate/Advanced-level)	3
	16		**16**

Sophomore

Fall	Credits	Spring	Credits
SOC WORK 205 (can be taken Freshman or Sophomore year)	4	SOC WORK 206 (can be taken Freshman or Sophomore year)	4
Foreign Language (if needed)	4	Foreign Language (if needed; or Intermediate/Advanced level Comp Sci, Math, Stats if BS)	3-4
Biological Sciences Breadth	3	Physical Science Breadth	3-4
Humanities Breadth	3-4	Literature Breadth	3-4
	14		**14**

Junior

Fall	Credits	Spring	Credits
SOC WORK 640	3	SOC WORK 457	3
STAT 301, 371, PSYCH 210, or SOC 360 (Take STAT 301 or STAT 371 if BS)	3-4	SOC WORK 650, PSYCH 225, or SOC 357[3]	3
Social Science Concentration course[2]	3-4	Literature Breadth	3
Humanities Breadth	3	SOC WORK elective (Intermediate/Advanced level)	2-4
Electives (I/A-level)	3	Social Science Concentration course[2]	3-4
	15		**15**

Senior

Fall	Credits	Spring	Credits
SOC WORK elective (Intermediate/Advanced level)	2-4	SOC WORK elective (Intermediate/Advanced level)	2-4
Natural Science Breadth (or Biological Science if BS)	3	Electives (Intermediate/Advanced level)	3-4
Electives (Intermediate/Advanced level)	3-4	Electives (Intermediate/Advanced level)	3-4
Electives (Intermediate/Advanced level)	3-4	Electives (Intermediate/Advanced level)	3-4
Electives (Intermediate/Advanced level)	3-4	Electives (Intermediate/Advanced level)	3-4
	15		**15**

Total Credits 120

1 Note: SOC WORK 100 is a pre-major elective course that can be taken in the first year, if offered; it is not required for the major.

2 Take two Intermediate or Advanced level courses from one of the following social science departments: African American Studies, American Indian and Indigenous Studies, Anthropology, Asian American Studies, Chicana/o and Latina/o Studies, Economics, Gender and Women's Studies, Political Science, Psychology, Sociology.

3 SOC WORK 650 is often available in the summer. Check with an Advisor for course availability and how summer courses might fit into your schedule.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students interested in either the Social Welfare major or Bachelor of Social Work meet with the Social Work advisors to discuss degree requirements; explore career paths; declare the major; and confer on student issues and concerns. Advisors are an excellent resource for information about campus and community services. Students should see an advisor at least once each semester to review academic progress.

Advising appointments for current UW–Madison students are made through Starfish (https://wisc.starfishsolutions.com/starfish-ops/) or by calling 608-263-3660.

Social Work faculty members are available for advice about coursework, research, and the social work profession in general.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SOCIAL WORK, BSW

Undergraduates in the Sandra Rosenbaum School of Social Work receive a liberal arts education in the social and behavioral sciences and their application to human problems that prepares them to be informed citizens involved in human services or social welfare problems and policies. Students take courses in a variety of social sciences to enable them to view social welfare in its broad social, economic, and political contexts. The Bachelor of Social Work (BSW) degree prepares students as beginning-level professional social workers.

Social work's special contribution rests on an established body of knowledge, values, and skills pertinent to understanding human relationships and the interaction between people as individuals, in families, groups, organizations, and communities. Social Work courses (https://guide.wisc.edu/courses/soc_work/) offer a theoretical understanding of social problems and an introduction to practice methods used by social workers. The curriculum covers such areas as aging, family and child welfare, poverty, mental health, developmental disabilities, substance use disorders, diversity, race and ethnicity, criminal justice, oppression, at-risk populations, and social, economic, and environmental justice.

BACHELOR OF SOCIAL WORK MISSION AND GOALS

Read more about the School and its mission: socwork.wisc.edu/about (https://socwork.wisc.edu/about/)

Guided by the core values of the social work profession and grounded in the generalist practice framework, the Bachelor of Social Work's mission is to provide social work education that will nurture competent, ethical entry-level social work professionals committed to scientific inquiry, evidence-based practice, respect for human diversity, the promotion of human and community well-being, human rights, and social, economic and environmental justice.

CERTIFICATE PROGRAMS

Students in the Social Welfare major or the Bachelor of Social Work degree often choose from a variety of certificate programs (https://guide.wisc.edu/explore-majors/#filter=filter_45) available. Common certificates include African American Studies (p. 387), American Indian and Indigenous Studies (p. 401), Business (p. 1411), Chicano/a and Latino/a Studies (p. 581), Criminal Justice (p. 548), Gender and Women's Studies (p. 743), Global Health (p. 147), LGBTQ+ Studies (p. 746), South Asian Studies (p. 972), and Southeast Asian Studies (p. 975), among others.

MASTER OF SOCIAL WORK ADVANCED STANDING

Bachelor of Social Work students may be considered for advanced standing if they apply and are accepted to one of the Master of Social Work programs. Advanced standing qualifies a student to exempt out of all or part of their "generalist" year. For more information, please refer to the Advanced Standing page (https://socwork.wisc.edu/programs/advanced-standing-msw/) on the School of Social Work website and the MSW Social Work Advanced Standing, MSW Guide page (https://guide.wisc.edu/graduate/social-work/social-work-advanced-standing-msw/).

HOW TO GET IN

HOW TO GET IN

Students enter the Bachelor of Social Work program by first declaring the Social Welfare major (https://guide.wisc.edu/undergraduate/letters-science/social-work/social-welfare-ba/#howtogetintext). Later, if a student applies to and is accepted into the Bachelor of Social Work (BSW) program, their degree program is changed to BSW. In the late fall/early spring of the junior year (see Deadlines (https://socwork.wisc.edu/admissions/deadlines/) for application deadline), students apply for admission to the BSW program for their senior year.

Students in the BSW program must be in the College of Letters & Science. Applicants may be enrolled in another School or College, but must transfer to Letters & Sciences if they are accepted into the BSW program and choose to pursue the degree.

DECLARING THE SOCIAL WELFARE MAJOR

See the Social Welfare How to Get In (https://guide.wisc.edu/undergraduate/letters-science/social-work/social-welfare-ba/

#howtogetintext) page for information about declaring the Social Welfare major. This must be done *prior to applying* to the BSW Program.

ADMISSION TO THE BSW PROGRAM

Students who meet the following eligibility criteria as of spring of their junior year may apply for admission to the Bachelor of Social Work (BSW) program by the application deadline (https://socwork.wisc.edu/admissions/deadlines/):

- SOC WORK 205 and SOC WORK 206 completed;
- Declared in the Social Welfare major;
- Statistics completed (or concurrent enrollment)[1];
- Second-semester junior status (minimum of 71 credits completed); and
- Minimum of 2.500 cumulative GPA from all colleges attended[2].

Admission to the Bachelor of Social Work program is based on assessment of the applicant's background, preparation and experience for practice in the field of social work. Approximately 45 students are admitted to the BSW program each year. Applicants must refer to the School of Social Work BSW Application website (https://socwork.wisc.edu/admissions/bsw-application/) to apply, for deadline information, and further application instructions.

NOTES

1 Refer to the Statistics and Research list in the Requirements tab for eligible statistics courses.

2 Only grades from all post-secondary institutions that have transferred credits to UW-Madison are reviewed. The credits earned at UW-Madison and those transferred to UW-Madison will be computed into the minimum 2.500 GPA required for admission using the GPA calculation method found on the back of each institution's transcript. See admissions instructions (https://socwork.wisc.edu/admissions/bsw-application/) for more details about including transcripts.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SOCIAL WORK (BSW)

The Sandra Rosenbaum School of Social Work is a professional school within the College of Letters & Sciences (L&S). The College confers the BSW degree.

Students pursuing a Bachelor of Social Work degree in the College of Letters & Science must complete all of the requirements below. The BSW is a special degree program; it is not considered a major. The BSW degree is not available to students who intend to earn a degree outside the College of Letters & Science.

BACHELOR OF SOCIAL WORK DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework. Students complete Quantitative Reasoning B within the requirements of the BSW degree program.
Language	Complete either: • the fourth unit of one language; or • the complete the third unit of one language and the second unit of one additional language.
Breadth in the Degree	Complete: • 12 credits of Humanities, including at least 6 credits of Literature breadth; and • 12 credits of Social Science breadth; and • 12 credits of Natural Science breadth, which must include one 3+ credit course in Biological Science breadth and one 3+ credit course in Physical Science breadth.
Ethnic Studies	Complete at least 6 credits of coursework with the Ethnic Studies designation.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.

Major	Gain admission to and complete the Bachelor of Social Work degree program.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

REQUIREMENTS FOR THE PROGRAM

Complete a minimum of 47 credits, to be attained via the requirements detailed below.

SOCIAL WELFARE POLICY & SERVICES

Code	Title	Credits
Complete both:		
SOC WORK 205	Introduction to the Field of Social Work	4
SOC WORK 206	Introduction to Social Policy	4

SOCIAL SCIENCE CONCENTRATION [1]

Complete **two** Intermediate or Advanced level courses and **at least 6 total credits** from **one** of the following social science concentration areas:

African American Studies

Code	Title	Credits
AFROAMER 302	Undergraduate Studies in Afro-American History	3
AFROAMER 303	Blacks, Film, and Society	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 333	Black Feminisms	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
AFROAMER/ LEGAL ST 435	Civil Rights: Policing, Prisons, Voting, Housing, Employment	3-4
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER/ ED POL 567	History of African American Education	3
AFROAMER 621	Slavery and Capitalism in the United States	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER 671	Selected Topics in Afro-American History	3
AFROAMER 673	Selected Topics in Afro-American Society	3

American Indian and Indigenous Studies

Code	Title	Credits
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	3
AMER IND/ ANTHRO 314	Indians of North America	3
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	3
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
AMER IND 450	Issues in American Indian Studies	3
AMER IND/ ANTHRO/ BOTANY 474	Ethnobotany	3-4
AMER IND/SOC 578	Poverty and Place	3
AMER IND/ SOC WORK 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3

Anthropology

Code	Title	Credits
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/AMER IND 314	Indians of North America	3
ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 322	The Origins of Civilization	3
ANTHRO/RELIG ST 343	Anthropology of Religion	3-4
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	3
ANTHRO 348	Economic Anthropology	3-4
ANTHRO 350	Political Anthropology	3-4
ANTHRO/GEN&WS 443	Anthropology by Women	3
ANTHRO/ AMER IND/ BOTANY 474	Ethnobotany	3-4
ANTHRO 477	Anthropology, Environment, and Development	3
ANTHRO 545	Psychological Anthropology	3
ANTHRO/ ED POL 570	Anthropology and Education	3

Asian American Studies

Code	Title	Credits
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM 240	Topics in Asian American Studies	3
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
ASIAN AM 540	Special Topics	3

Chicana/o and Latina/o Studies

Code	Title	Credits
CHICLA/POLI SCI 231	Politics in Multi-Cultural Societies	3-4
CHICLA 301	Chicana/o and Latina/o History	3
CHICLA/ POLI SCI 302	Mexican-American Politics	3-4
CHICLA 315	Racial Formation and Whiteness	3
CHICLA/ CURRIC 321	Chicano/Latino Educational Justice	3
CHICLA 329	Education and Service Topics in Chicana/o & Latina/o Studies	3
CHICLA 330	Topics in Chicano/a Studies	3-4
CHICLA/GEN&WS 332	Latinas: Self Identity and Social Change	3
CHICLA/HISTORY/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
CHICLA/LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	3-4
CHICLA/LEGAL ST/ SOC 443	Immigration, Crime, and Enforcement	3-4
CHICLA/SOC 470	Sociodemographic Analysis of Mexican Migration	3
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	3
CHICLA 501	Chican@ and Latin@ Social Movements in the U.S.	3
CHICLA/ COUN PSY 525	Dimensions of Latin@ Mental Health Services	3

Economics

Code	Title	Credits
ECON/ FINANCE 300	Introduction to Finance	3
ECON 301	Intermediate Microeconomic Theory	4
ECON 302	Intermediate Macroeconomic Theory	4
ECON/HIST SCI 305	Development of Economic Thought	3-4
ECON/A A E/ REAL EST/ URB R PL 306	The Real Estate Process	3
ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	3
ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	3
ECON/ FINANCE 320	Investment Theory	3
ECON 321	Sports Economics	3-4
ECON 330	Money and Banking	4
ECON 340	Microeconomics in Popular Culture	3
ECON/A A E/ENVIR ST 343	Environmental Economics	3-4
ECON 355	The Economics of Growing-up and Getting Old	3-4
ECON 370	Economics of Poverty and Inequality	3
ECON 390	Contemporary Economic Issues	3
ECON/URB R PL 420	Urban and Regional Economics	3
ECON 441	Analytical Public Finance	3-4
ECON/POLI SCI 449	Government and Natural Resources	3-4
ECON 450	Wages and the Labor Market	3-4
ECON 461	International Macroeconomics	3-4
ECON/A A E/ INTL BUS 462	Latin American Economic Development	3
ECON 464	International Trade	3-4
ECON/ HISTORY 466	The American Economy Since 1865	3-4
ECON 467	International Industrial Organizations	3-4
ECON/A A E/ECON 474	Economic Problems of Developing Areas	3
ECON 475	Economics of Growth	3-4
ECON 521	Game Theory and Economic Analysis	3-4
ECON 522	Law and Economics	3-4
ECON/PHILOS 524	Philosophy and Economics	3
ECON/A A E/ F&W ECOL 531	Natural Resource Economics	3
ECON/POP HLTH/ PUB AFFR 548	The Economics of Health Care	3-4
ECON 623	Population Economics	3-4
ECON 661	Issues in International Macroeconomics	3-4
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	3

Gender and Women's Studies

Code	Title	Credits
GEN&WS/CHICLA/ GEOG 308	Latinx Feminisms: Women's Lives, Work, and Activism	3
GEN&WS 320	Special Topics in Gender, Women and Society	3
GEN&WS/ PSYCH 322	Sexual & Relationship Violence Research & Activism	3
GEN&WS/ AFROAMER 323	Gender, Race and Class: Women in U.S. History	3
GEN&WS 331	Topics in Gender/Class/Race/ Ethnicity (Social Sciences)	3
GEN&WS/CHICLA 332	Latinas: Self Identity and Social Change	3
GEN&WS/ AFROAMER 333	Black Feminisms	3
GEN&WS 340	Topics in LGBTQ Sexuality	3
GEN&WS 342	Transgender Studies	3-4
GEN&WS 344	Bi/Pan/Asexuality: Community & Representation	3
GEN&WS/HISTORY 353	Women and Gender in the U.S. to 1870	3-4
GEN&WS/HISTORY 354	Women and Gender in the U.S. Since 1870	3-4

GEN&WS/ LEGAL ST/SOC 406	Law, Sexuality, & Society	3-4
GEN&WS/ COM ARTS 418	Gender, Sexuality, and the Media	3
GEN&WS 420	Women in Cross-Societal Perspective	3
GEN&WS/ LEGAL ST 422	Women and the Law	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ LEGAL ST/SOC 425	Crime, Gender and Justice	3
GEN&WS/ POLI SCI 429	Gender and Politics in Comparative Perspective	3-4
GEN&WS 441	Contemporary Feminist Theories	3
GEN&WS/ANTHRO 443	Anthropology by Women	3
GEN&WS 446	Queer of Color Critique	3
GEN&WS 449	Special Topics in Feminist Theory	3
GEN&WS/ POLI SCI 469	Women and Politics	3-4
GEN&WS/ GEOG 504	Feminist Geography: Theoretical Approaches	3
GEN&WS/HISTORY 519	Sexuality, Modernity and Social Change	3
GEN&WS/PSYCH 522	Psychology of Women and Gender	3
GEN&WS 523	Framing Fatness: Gender, Size, Constructing Health	3
GEN&WS 527	The Environment of the Womb: Epigenetics and Parent/Child Health	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS 536	Queering Sexuality Education	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEN&WS 539	Special Topics in Gender and Health	3
GEN&WS 546	Feminist Theories and Masculinities	3
GEN&WS 547	Theorizing Intersectionality	3
GEN&WS/ ED POL 560	Gender and Education	3

Political Science

Code	Title	Credits
POLI SCI 205	Introduction to State Government	3-4
POLI SCI/ LEGAL ST 217	Law, Politics and Society	3-4
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	3-4
POLI SCI 272	Introduction to Public Policy	3-4
POLI SCI/ CHICLA 302	Mexican-American Politics	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 305	Elections and Voting Behavior	3-4
POLI SCI 306	American Political Parties	3-4
POLI SCI 311	United States Congress	3-4
POLI SCI 314	Criminal Law and Justice	3-4
POLI SCI 330	Political Economy of Development	3
POLI SCI 335	Social Identities	3
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society	3
POLI SCI 343	Theories of International Security	3-4
POLI SCI 345	Conflict Resolution	3-4
POLI SCI 347	Terrorism	3
POLI SCI 348	Analysis of International Relations	3-4
POLI SCI 350	International Political Economy	3-4
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI 356	Principles of International Law	3-4
POLI SCI 358	States in the World: Comparative Foreign Policy	3-4
POLI SCI 359	American Foreign Policy	3-4
POLI SCI 405	State Government and Public Policy	3-4
POLI SCI 408	The American Presidency	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
POLI SCI 414	The Supreme Court as a Political Institution	3
POLI SCI 416	Community Power and Grass Roots Politics	3
POLI SCI 417	The American Judicial System	3-4
POLI SCI/ PUB AFFR 419	Administrative Law	3-4
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective	3-4
POLI SCI/ INTL ST 431	Contentious Politics	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	3-4
POLI SCI 461	Interdisciplinary Seminar in Political Economy, Philosophy, & Politics	3
POLI SCI/ILS 463	Deception and Politics	4
POLI SCI/ GEN&WS 469	Women and Politics	3-4
POLI SCI 470	The First Amendment	3-4
POLI SCI 511	Campaign Finance	3-4

POLI SCI 515	Public Opinion	3-4
POLI SCI 538		3-4
POLI SCI 601	Proseminar: Topics in Political Science	3
POLI SCI 635	Comparative Politics of Sport	3-4

Psychology

Code	Title	Credits
PSYCH 311	Issues in Psychology	3-4
PSYCH/ GEN&WS 322	Sexual & Relationship Violence Research & Activism	3
PSYCH 401	Psychology, Law, and Social Policy	3
PSYCH 403	Psychology of Personality	3
PSYCH 405	Adult Psychopathology	3-4
PSYCH 414	Cognitive Psychology	3
PSYCH/SOC 453	Human Sexuality	4
PSYCH 456	Social Psychology	3-4
PSYCH 460	Child Development	3-4
PSYCH 462	Adolescent Development	3-4
PSYCH 464	Adult Development and Aging	3
PSYCH 502	Cognitive Development	4
PSYCH 503	Social Development	4
PSYCH 508	Psychology of Human Emotions: From Biology to Culture	4
PSYCH 510	Critical Issues in Child Psychopathology	4
PSYCH 513	Hormones, Brain, and Behavior	4
PSYCH 521	The Structure of Human Thought: Concepts, Language and Culture	4
PSYCH/ GEN&WS 522	Psychology of Women and Gender	3
PSYCH 526	The Criminal Mind: Forensic and Psychobiological Perspectives	4
PSYCH 528	Cultural Psychology	4
PSYCH 532	Psychological Effects of the Internet	4
PSYCH 607	Introduction to Psychotherapy	3

Sociology

Code	Title	Credits
SOC 181	Honors Introductory Seminar-The Sociological Enterprise	3-4
SOC/C&E SOC 210	Survey of Sociology	3-4
SOC/C&E SOC 211	The Sociological Enterprise	3
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4
SOC/A A E/ C&E SOC 340	Issues in Food Systems	3-4
SOC/C&E SOC 341	Labor in Global Food Systems	3
SOC/C&E SOC 343	Sociology of Health and Medicine	3
SOC/GEN&WS/ LEGAL ST 406	Law, Sexuality, & Society	3-4
SOC 421	Processes of Deviant Behavior	3-4
SOC/ SOC WORK 422	Social Issues in Aging	3
SOC/ILS/ JEWISH 423	Modern Jewish Thought	3
SOC/GEN&WS/ LEGAL ST 425	Crime, Gender and Justice	3
SOC/CHICLA/ LEGAL ST 440	Ethnicity, Race, and Justice	3-4
SOC 441	Criminology	3-4
SOC/CHICLA/ LEGAL ST 443	Immigration, Crime, and Enforcement	3-4
SOC 444	Social Psychology: A Sociological Perspective	3-4
SOC 446	Juvenile Delinquency	3-4
SOC/PSYCH 453	Human Sexuality	4
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SOC/C&E SOC 475	Classical Sociological Theory	3
SOC 476	Contemporary Sociological Theory	3
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 535	Talk and Social Interaction	3
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
SOC 543	Collective Behavior	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC/URB R PL 617	Community Development	3
SOC 624	Political Sociology	3
SOC 626	Social Movements	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3
SOC 632	Sociology of Organizations	3-4
SOC 633	Social Stratification	3
SOC 640	Sociology of the Family	3
SOC/LAW/LEGAL ST 641	Sociology of Law	3-4
SOC/URB R PL 645	Modern American Communities	3
SOC/ED POL 648	Sociology of Education	3
SOC/C&E SOC 650	Sociology of Agriculture	3
SOC/C&E SOC 652	Sociology of Economic Institutions	3
SOC/HISTORY 670	Capitalism, Socialism, and Democracy in America Since 1890	3-4
SOC 678	Sociology of Persecution	3

HUMAN BEHAVIOR & THE SOCIAL ENVIRONMENT

Code	Title	Credits
Complete all:		
SOC WORK 457	Human Behavior and the Environment	3
SOC WORK 612	Psychopathology in Generalist Social Work Practice	2
SOC WORK 640	Diversity, Oppression and Social Justice in Social Work	3

SOCIAL WORK PRACTICE SEQUENCE [5]

Code	Title	Credits
Complete all:		
SOC WORK 400	Field Practice and Integrative Seminar I [2,5]	4
SOC WORK 401	Field Practice and Integrative Seminar II [2,5]	4
SOC WORK 441	Generalist Practice with Individuals, Families and Groups [7]	3
SOC WORK 442	Generalist Practice with Communities and Organizations [7]	2

STATISTICS AND RESEARCH

Code	Title	Credits
Statistics		
Complete one course from:		3-4
STAT 301	Introduction to Statistical Methods	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
or PSYCH 210	Basic Statistics for Psychology	
or SOC/ C&E SOC 360	Statistics for Sociologists I	
Research		
Complete one course from:		3-4
SOC WORK 650	Methods of Social Work Research	
or PSYCH 225	Research Methods	
or SOC/ C&E SOC 357	Methods of Sociological Inquiry	
Total Credits		**6-8**

ELECTIVES

Complete **two** Intermediate or Advanced level SOC WORK courses and **at least 6 total credits** of Social Work electives. Not all courses in the list below are offered in each semester or year.

List of Social Work Elective Courses

Code	Title	Credits
SOC WORK 336	Making Sense of Mental Health & Mental Illness	3
SOC WORK 375	Contemporary Issues in Social Welfare	3
SOC WORK 420	Poverty and Social Welfare	3
SOC WORK/ SOC 422	Social Issues in Aging	3
SOC WORK 453	Substance Use Disorders	3
SOC WORK 454	Small Groups in Social Work Practice	3
SOC WORK 462	Child Welfare	3
SOC WORK 578	Homelessness: A Service Learning Course	4
SOC WORK 623	Interpersonal Violence	3
SOC WORK 624	Social Work with the Small Group	3
SOC WORK 627	Sex Trafficking and Sex Trading	2
SOC WORK/ AMER IND 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
SOC WORK 639	Social Work Practice with LGBTQIA2S+ Individuals and Communities	3
SOC WORK 644	Issues in Developmental Disabilities	3
SOC WORK 646	Child Abuse and Neglect	2
SOC WORK 648	Social Work Practice in Palliative Care	2
SOC WORK 656	Child Welfare Practice in Foster and Kinship Care, Permanency, and Adoption	2
SOC WORK 675	Topics in Contemporary Social Welfare	2-3
SOC WORK 691	Senior Thesis [3]	2
SOC WORK 692	Senior Thesis [3]	2
SOC WORK 699	Directed Study [6]	2-3

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SOC WORK courses and all major courses (cumulative)
- Minimum 2.000 GPA on 15 upper-level major credits, taken in residence[4]
- 15 credits in SOC WORK, taken on campus

FOOTNOTES

1 Social Science Concentration courses listed are a selected list of eligible courses. Consult with a Social Work advisor for other exceptions or additions to the list.

2 BSW students take two semesters (16 hours per week—256 hours/ semester) of field education during their senior year (SOC WORK 400 fall semester, SOC WORK 401 spring semester).

3 Students with an interest in a particular area of study may develop a plan of independent work with the assistance of an interested Social Work faculty member. They may obtain information about instructors and their areas of interest from the School of Social Work website (https://socwork.wisc.edu/directory/). Consent of instructor is required for the noted course offerings in independent work.

4 PSYCH 225, SOC/C&E SOC 357, STAT 301, STAT 371, PSYCH 210, SOC/C&E SOC 360, and all SOC WORK courses designated as Intermediate or Advanced count as upper-level in the major.

5 Please refer to the Advising and Careers tab (https://guide.wisc.edu/undergraduate/letters-science/social-work/social-work-bsw/#advisingandcareerstext) for more information on field education placements.

[6] No more than 3 credits of SOC WORK 699 Directed Study may be used toward fulfillment of this requirement.

[7] See Advising and Careers tab for more information on Practice Course sequencing.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Articulate and demonstrate foundational ethical and professional behavior
2. Identify the historical foundations of the US social welfare system and the social work profession.
3. Recognize and engage in foundational practices to advance human rights and social, racial, economic, and environmental justice.
4. Demonstrate foundational knowledge, critical reflection, and analytic skills that inform anti-oppressive and anti-racist practice.
5. Demonstrate a foundational understanding and ability to use research to inform practice and to use practice experiences to inform research.
6. Describe and demonstrate foundational policy practice skills.
7. Describe and demonstrate foundational knowledge and skills in engaging, assessing, intervening, and evaluating practice with individuals, families, groups, organizations, and communities.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Students wishing to apply to the Bachelor of Social Work (BSW) program (https://socwork.wisc.edu/admissions/bsw-application/) must do so in spring of Junior year.

First Year

Fall	Credits	Spring	Credits
Communication A	3	Ethnic Studies	3-4
Quantitative Reasoning A	3-4	Literature Breadth	4
Biological Science Breadth	3	Physical Science Breadth	3
Language (if needed)	4	Language (if needed)	4
	14		**14**

Second Year

Fall	Credits	Spring	Credits
SOC WORK 205	4	SOC WORK 206	4
Humanities Breadth	4	Communication B	4
Literature Breadth	4	Science Breadth	3
Elective	3	Electives	5
INTER-LS 210[1]	1		
	16		**16**

Third Year

Fall	Credits	Spring	Credits
SOC WORK 640 (fall-only)[2]	3	SOC WORK 457 (spring only)	3
Social Science Concentration[2]	3-4	STAT 301, 371, PSYCH 210, or SOC 360 (also meets Quantitative Reasoning B)	3-4
Science Breadth	3	SOC WORK elective (Intermediate/ Advanced-level)	3-4
Electives (Intermediate/ Advanced-level)	6	Social Science Concentration[2]	3-4
		Elective (Intermediate/ Advanced-level)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
SOC WORK 400 (fall only)	4	SOC WORK 401 (spring only)	4
SOC WORK 441 (fall only)	3	SOC WORK 612 (spring only)[3]	2
SOC WORK 442 (fall only)	2	SOC WORK 650 (spring only)[3]	3
Electives (Intermediate/ Advanced-level)	6	SOC WORK elective (Intermediate/ Advanced-level)	3-4
		Elective (Intermediate/ Advanced-level)	2-3
	15		**15**

Total Credits 120

Note: SOC WORK 100 is a pre-major elective course that can be taken in the first year, if offered; it is not required for the major.

1 The College encourages students to take INTER-LS 210 in their second year (or anytime); it is recommended but not required.
2 SOC WORK 640 counts towards the BSW ethnic studies requirement, providing three of the six credits needed.
3 SOC WORK 612 and SOC WORK 650 are often available in the summer. Check with an Advisor regarding availability and how summer courses might fit into your schedule.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it —along with their DARS report, the Degree Planner, and Course Search & Enroll tools — to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Students planning to graduate within three years from the Bachelor of Social Work program should enter the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- Communication Part A
- Quantitative Reasoning Part A
- 18 combined credits of Humanities, Social Science, and Natural Science coursework
- 3-4 units of language

Students wishing to apply to the Bachelor of Social Work (BSW) program (https://socwork.wisc.edu/admissions/bsw-application/) must do so in spring of Junior year.

First Year

Fall	Credits	Spring	Credits
SOC WORK 205	4	SOC WORK 206	4
Social Science Concentration course	3-4	Social Science Concentration course	3-4
Biological Science Breadth	3	Humanities Breadth	3
Literature Breadth	3	Literature Breadth	3
Language (if interested in retroactive credit or to reach 4 units)	3	Physical Science Breadth	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
STAT 301, 371, PSYCH 210, or SOC 360 (also meets Quantitative Reasoning B)	3	SOC WORK 650 (spring only)[2]	3
SOC WORK 640 (fall only)[1]	3	SOC WORK 457 (spring only)	3
SOC WORK elective (Intermediate/ Advanced-level)	3	Humanities Breadth	3
Communication B	3	Science Breadth	3
Science Breadth (if not taking STAT 301 or 371)	3	Elective (Intermediate/ Advanced-level)	3-4
	15		**15**

Third Year

Fall	Credits	Spring	Credits
SOC WORK 400 (fall only)	4	SOC WORK 401 (spring only)	4
SOC WORK 441 (fall only)	3	SOC WORK 612 (spring only)[2]	2
SOC WORK 442 (fall only)	2	Ethnic Studies	3
Elective (Intermediate/ Advanced-level)	3-4	SOC WORK Elective (Intermediate/ Advanced-level)	3-4
Elective	2-4	Elective (Intermediate/ Advanced-level)	2
	14		**14**

Total Credits 90

1 SOC WORK 640 counts towards the BSW ethnic studies requirement, providing three of the six credits needed.
2 SOC WORK 612 and SOC WORK 650 are often available in the summer. Check with an Advisor regarding availability and how summer courses might fit into your schedule.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students interested in either the Social Welfare major or Bachelor of Social Work meet with the Social Work advisors to discuss degree requirements; explore career paths; declare the major; and confer on student issues and concerns. Advisors are an excellent resource for information about campus and community services. Students should see an advisor at least once each semester to review academic progress.

Advising appointments for current UW–Madison students are made through Starfish (https://wisc.starfishsolutions.com/starfish-ops/) or by calling 608-263-3660.

Social Work faculty members are available for advice about coursework, research, and the social work profession in general.

FIELD EDUCATION

The Director of Field Education makes final unit placement decisions and field instructors make final agency-placement decisions.

The types of agencies working with the field education program are varied. Field units are organized around a social problem area or a field of practice. Each unit has a range of field placement agencies and settings appropriate to its theme. The emphasis for undergraduate placements is on applying the knowledge and skills of generalist social work practice with systems of all sizes. The focus is on learning and applying analytic and intervention skills within an ethically based, problem-focused approach.

Social Work students should be advised that the Wisconsin Caregiver Law requires a Wisconsin background check (Caregiver Check and Wisconsin Criminal History) for all potential field-education students prior to the field placement. More information regarding this process is available at Field Education (https://socwork.wisc.edu/programs/field-education/) on the Social Work website.

For more information about field units, the agencies they work with, and field course expectations see the Field Education Handbook (https://socwork.wisc.edu/students/resources/#bsw-students). Field unit availability may vary from year to year.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

EXAM PASS RATES

Association of Social Work Boards (https://www.aswb.org/) BSW exam pass rates.

Many students pursuing a BSW will go on to earn a Master in Social Work, which does not require taking the bachelor's level exam. Thus, no data is available from ASWB for UW-Madison attempts in years when the number of students taking the exam is low. As of 2022, ASWB no longer posts national results for repeat exam-takers, only first-time. Exam results nationally, by state, and by institution are publicly available on the ASWB website (https://www.aswb.org/exam/exam-scoring/exam-pass-rates/) for the prior year.

Year of Exam	UW-Madison Graduates: All Attempts	Nationa All Attempt
2023	100	No Data
2022	100	No Data
2021	No Data	61
2020	100	61
2019	No data	60

Year of Exam	UW-Madison Graduates: First Attempt	Nationa First Attemp
2023	100	68
2022	100	65
2021	No Data	69
2020	100	69
2019	No Data	67

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:

Illinois, Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:

Not applicable

Updated: 1 June 2025

ACCREDITATION

ACCREDITATION

Council on Social Work Education (https://www.cswe.org/Accreditation/)

Accreditation status: Accredited. Next accreditation review: 2029.

SOCIAL WORK COMPETENCIES

At the conclusion of the BSW program we expect students to have achieved the following core competencies at a generalist level:

1. Demonstrate ethical and professional behavior
2. Advance human rights and social, economic, and environmental justice
3. Engage anti-racism, diversity, equity, and inclusion (ADEI) in practice
4. Engage in practice-informed research and research-informed practice
5. Engage in policy practice
6. Engage with individuals, families, groups, communities, and organizations
7. Assess individuals, families, groups, communities, and organizations
8. Intervene with individuals, families, groups, communities, and organizations
9. Evaluate practice with individuals, families, groups, communities, and organizations

SCHOOL OF JOURNALISM AND MASS COMMUNICATION

The School of Journalism and Mass Communication (SJMC) provides students with a connected, collaborative, and inclusive community of passionate communicators and prepares them for careers in a wide variety of fields. Whether they are interested in advertising and public relations, investigative journalism, or magazine publishing, students are equipped with an education grounded in liberal arts and a unique blend of hands-on skills training, theoretical learning, and real-world practice. As a result, graduates leave as skilled communicators, critical thinkers, seasoned problem-solvers, and innovators who are ready to hit the ground running in their careers.

Our undergraduate program prepares students to:

- Inform and persuade audiences with compelling messages, across a variety of contemporary media.
- Think strategically, creatively and critically to solve problems in a professional context.
- Meet the demands of an ever-changing communication industry with a wide variety of practical skills and real-world experience.
- Understand the responsible and ethical use of mass media.
- Appreciate the media's relationship with social, political, legal, and economic systems.
- Develop effective practices to advance inclusion and social justice in media professions and communication research.

To complete a JBA or JBS degree, students must complete at least one of the two professional tracks: Strategic Communication, or Reporting and Multimedia Journalism.

PROFESSIONAL TRACKS

STRATEGIC COMMUNICATION

Strategic communication informs and persuades audiences to take action. By using written, oral, and visual communication skills, strategic communicators tell the stories of people, brands, and organizations. The strategic communication track (https://journalism.wisc.edu/undergraduate/strategic-communication/) prepares students for careers in advertising, public relations, media planning, social media, content, digital marketing, creative strategy, and more. Strategic communication is the foundation of brand, political, health, corporate, and financial communications – just to name a few.

REPORTING AND MULTIMEDIA JOURNALISM

Reporting and multimedia journalism inform the public about important issues and events. Through written, oral, and visual communication, multimedia journalists tell the stories that matter most to the audiences they serve. The reporting and multimedia journalism track (https://journalism.wisc.edu/undergraduate/reporting-multimedia-journalism/) prepares students for careers in print, broadcast, and digital news, investigative journalism, magazine writing, editing and publishing, documentary film, podcasting, and more. Students engage with the practices, ethics, and effects of journalism and its central role in democracy.

CERTIFICATES

In addition to strategic communication and journalism training, the journalism major offers the flexibility for students to earn certificates and enhance their learning in a specific area of communications. Certificates are a great way to dive deeper in to a particular interest, gain a new perspective on a primary degree, and stand out in future job interviews. The School offers three certificates for any UW–Madison student interested in gaining experience in digital media, data analysis, and sports communication – Digital Media Analytics Certificate (https://journalism.wisc.edu/undergraduate/digital-media-analytics-certificate/), Sports Communication Certificate (https://journalism.wisc.edu/undergraduate/sports-communication-certificate/), and Digital Studies Certificate (https://journalism.wisc.edu/undergraduate/digital-studies-certificate/).

PRACTICAL EXPERIENCE: ORGANIZATIONS

The School encourages students to gain practical experience through student organizations, part-time jobs, and internships.

ORGANIZATIONS

Student media include (but are not limited to):

- The Daily Cardinal (https://www.dailycardinal.com/)
- The Badger Herald (https://badgerherald.com/)
- WSUM radio (https://wsum.org/)
- Wisconsin Union Directorate Publications (https://union.wisc.edu/get-involved/wud/publications/)

Student organizations related to the school and major include (but are not limited to):

- Public Relations Student Society of America (PRSSA) (https://win.wisc.edu/organization/PRSSA/)
- Advertising Club (https://win.wisc.edu/organization/adclub/)
- The Black Voice (https://win.wisc.edu/organization/blackvoicesuw/)
- Society of Professional Journalists (SPJ) (https://www.spj.org/)
- Association for Women in Communication (AWC) (https://win.wisc.edu/organization/awc/)
- Association for Women in Sports Media (AWSM) (https://win.wisc.edu/organization/awsm/)
- National Association of Black Journalists: UW–Madison (https://nabjwisconsin.wordpress.com/)
- Moda Magazine (https://modamadison.com/)

INTERNSHIPS

Students planning for careers in strategic communication or journalism are encouraged to hold one or more internships in the area of their academic specialization(s).

CAREER SERVICES & ADVISING

One of the major benefits of the School of Journalism and Mass Communication major is access to a dedicated and experienced communications industry career advisor. The School also provides an up-to-date list of job postings on its website. Through our large network of active alumni, relationships with industry professionals, and hands-on skills curriculum, over 90% of our students find jobs within three to six months of graduation.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Digital Media Analytics, Certificate (p. 1311)
- Journalism, JBA (p. 1312)
- Journalism, JBS (p. 1316)
- Sports Communication, Certificate (p. 1320)

DIGITAL MEDIA ANALYTICS, CERTIFICATE

Develop data-analysis skills and gain a theoretical understanding of how digital media function in contemporary society, particularly within journalism, strategic communication, and mass media contexts.

The Certificate in Digital Media Analytics includes a foundational course, a choice of skills courses in statistics, analytics, and communications research, and a wide range of social impacts courses to understand how digital media influences society and behavior. A capstone course in data analysis and visualization completes the certificate.

Any undergraduate student, including those in the Journalism bachelor's degree program, may earn this certificate to get training in digital media analytics and add this credential for careers in media-related industries like data journalism, data-driven strategic communication (e.g., advertising, public relations, communication campaigns), and data-informed sports communication.

HOW TO GET IN

HOW TO GET IN

The Certificate in Digital Media Analytics will be open to any University of Wisconsin-Madison undergraduate student with a minimum 2.000 University GPA. Students may declare or cancel the certificate at any time by filling out a declaration form available on the SJMC website (https://journalism.wisc.edu/undergraduate/digital-media-analytics-certificate/).

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of 12 credits.

Code	Title	Credits
Foundational Courses (complete at least one)		**3-4**
JOURN 175	Media Fluency for the Digital Age	
JOURN 201	Introduction to Mass Communication	
Skills Course (complete at least one)		**3-4**
JOURN 657	Understanding Research Design & Statistics in Mass Communication	
JOURN 658	Communication Research Methods	
LSC 460	Social Media Analytics	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Social Impacts Courses (complete at least one)		**3-4**
JOURN/ HISTORY 560	History of U.S. Media	
JOURN 561	Mass Communication and Society	
JOURN 563	Law of Mass Communication	
JOURN 564	Media and the Consumer	
JOURN 565	Effects of Mass Communication	
JOURN 566	Communication and Public Opinion	
JOURN 567	Mass Media and Global Communication	
JOURN/ COM ARTS/ HDFS 616	Mass Media and Youth	

JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age	
JOURN 618	Mass Communication and Political Behavior	
JOURN 620	International Communication	
JOURN 622	The Impact of Emerging Media	
JOURN 651	Communicating Sports Controversies	
JOURN/ ASIAN AM 662	Mass Media and Minorities	
JOURN 664	Social Networks in Communication	
JOURN 678	Legal & Ethical Dimensions of Emerging Media	
Capstone Course		
JOURN/L I S 677	Concepts and Tools for Data Analysis and Visualization	3
Total Credits		**12**

RESIDENCE AND QUALITY OF WORK

- At least 7 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply fundamental data science concepts and skills to improve the critical understanding of the roles of evolving digital media in journalism, mass communication, strategic communication, and sports communication.
2. Effectively and ethically use digital media to communicate complex data and results to a broad and diverse range of stakeholders.
3. Strategically, creatively and critically use digital media and analytics for compelling data-driven storytelling.
4. Develop an understanding of the key perspectives on the social and media contexts in which digital media operate.
5. Develop effective practices to advance inclusion and social justice in media professions and communication research.

ADVISING AND CAREERS

ADVISING AND CAREERS

Lauren Anderson is the undergraduate advisor for the Digital Media Analytics certificate. Students are encouraged to meet with Lauren when they have questions about the courses and requirements for the certificate: lauren.anderson@wisc.edu.

The Certificate in Digital Media Analytics encourages students to get involved in related internships and career-building courses related to digital media analytics.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

JOURNALISM, JBA

The Journalism bachelor's degree in the School of Journalism and Mass Communication (SJMC) provides you with a connected, collaborative, and inclusive community of passionate communicators and prepares you for careers in a wide variety of fields. Whether you are interested in advertising and public relations, investigative journalism, or magazine publishing, you will be equipped with an education grounded in the liberal arts and a unique blend of hands-on skills training, theoretical learning, and real-world practice. As a result, you will graduate from SJMC and UW–Madison as a skilled communicator, critical thinker, seasoned problem-solver, and innovator who is ready to hit the ground running in your careers.

This degree prepares you to:

- inform and persuade audiences with compelling messages, across a variety of contemporary media;
- think strategically, creatively and critically to solve problems in a professional context;
- meet the demands of an ever-changing communication industry with a wide variety of practical skills and real-world experience;
- understand the responsible and ethical use of mass media;
- appreciate the media's relationship with social, political, legal, and economic systems; and
- develop effective practices to advance inclusion and social justice in media professions and communication research.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE JOURNALISM DEGREE PROGRAM

Students who wish to declare themselves as degree candidates in journalism must submit an application to the School of Journalism and Mass Communication (SJMC). Applications are accepted each fall and spring semester for admission the following semester. Prospective degree candidates must present to the school a record of academic achievement, writing ability and extracurricular participation that indicate a probability of success in some field of communication.

In order to apply for admission to the school, students must have met the following requirements:

- Completion of JOURN 201 by the end of the semester in which they apply. Students may have no more than 16 credits in Journalism courses taken at UW–Madison when applying for admission.

Students transferring journalism course credit from other colleges and universities should check their record of transferred credit with the SJMC undergraduate academic advisor. The academic advisor is available for consultation at most SOAR orientation sessions for transfer students.

The number of students to be admitted in a given semester is subject to change based on the school's capacity to provide adequate access to required courses. Admissions decisions are based on the entire application, with particular emphasis on academic performance and writing ability. Specific guidelines for submitting the application portfolio are available online at this link (https://journalism.wisc.edu/undergraduate/undergraduate-admissions/) or in SJMC academic advising. The academic advisor conducts one-hour information sessions for applicants each semester, with dates and times listed on the application; these sessions are highly recommended and provide more information for applicants than is possible in a one-on-one advising meeting.

After admission to the school, the student's classification will be changed to JBA or JBS to reflect this change in status.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS-JOURNALISM (JBA)

The School of Journalism and Mass Communication is a professional school within the College of Letters & Sciences (L&S). The College confers the Bachelor of Arts—Journalism (JBA) degree.

Students pursuing a Bachelor of Arts—Journalism (JBA) degree in the College of Letters & Science must complete all of the requirements below. The JBA is a special degree program; it is not considered a major. The JBA degree is not available to students who intend to earn a degree outside the College of Letters & Science.

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	Complete either: • the fourth unit of a language other than English; or • the third unit of a language and the second unit of a different language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW—Madison Experience	Complete both: • 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

REQUIREMENTS FOR THE MAJOR

Students must complete 32 credits in major course work, to include:

INTRODUCTORY REQUIREMENTS

Code	Title	Credits
Introduction to Journalism		
JOURN 201	Introduction to Mass Communication	4
JOURN 202	Mass Communication Practices	6
JOURN 203	Information for Communication	3
Social Science and Humanities		**12**
Intermediate/Advanced courses from at least three distinct Subjects [1]		
Total Credits		**25**

[1] Courses cross-listed in JOURN **may *not* count** toward this requirement.

CONCENTRATIONS

Students must complete one of two concentrations: **Journalism**, which focuses on reporting, or **Strategic Communication**, which focuses on forms of persuasive communication that includes advertising and public relations). [3]

Journalism

Code	Title	Credits
Journalism Concentration		
JOURN 335	Principles and Practices of Reporting	4
Advanced Reporting - one course:		**4**
JOURN 401	In-Depth Reporting	
JOURN 405	Creative Nonfiction	
JOURN 411	Multimedia Design	
JOURN 417	Magazine Publishing	
JOURN 415	Science and Environmental Journalism	
JOURN 420	Investigative Reporting	
JOURN 425	Video Journalism	
JOURN 426	Community-Based Reporting	
JOURN 455	Emerging Media and the News	
JOURN 456	Long Form Video	
JOURN 457	Storytelling Through Sound	
JOURN 475	Special Topics in Advanced Concepts and Skills [2]	
Total Credits		**8**

Strategic Communication

Code	Title	Credits
Strategic Communications Concentration		
JOURN 345	Principles and Practice of Strategic Communication	4
Advanced Strategic Communication—one course:		**4**
JOURN 411	Multimedia Design	
JOURN 417	Magazine Publishing	
JOURN 445	Creative Campaign Messages	
JOURN 447	Strategic Media Planning	
JOURN 449	Account Planning and Strategy	
JOURN 455	Emerging Media and the News	
JOURN 456	Long Form Video	
JOURN 457	Storytelling Through Sound	
JOURN 463	Digital Media Strategies	
JOURN 464	Public Relations Strategies	
JOURN 465	Social Media Marketing Communications	
JOURN 475	Special Topics in Advanced Concepts and Skills [2]	
Total Credits		**8**

PERSPECTIVES, TOPICS AND ADVANCES

Code	Title	Credits
Perspectives (Two courses):		**8**
JOURN/ HISTORY 560	History of U.S. Media	
JOURN 561	Mass Communication and Society	
JOURN 562	Mass Media and Racial Diversity	
JOURN 563	Law of Mass Communication	
JOURN 564	Media and the Consumer	
JOURN 565	Effects of Mass Communication	
JOURN 566	Communication and Public Opinion	
JOURN 567	Mass Media and Global Communication	
Topics or Advances (1 course):		**3-4**
JOURN/ MARKETNG 605	Digital Brand Building	
JOURN/ COM ARTS/ HDFS 616	Mass Media and Youth	
JOURN 618	Mass Communication and Political Behavior	
JOURN 620	International Communication	
JOURN 649	Brand Strategy in Advertising & Integrated Communications	
JOURN 657	Understanding Research Design & Statistics in Mass Communication	
JOURN 658	Communication Research Methods	
JOURN/ ASIAN AM 662	Mass Media and Minorities	
JOURN 669	Literary Aspects of Journalism	
JOURN 675	Topics in Government and Mass Media	
JOURN 676	Special Topics in Mass Communication	
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age	
JOURN 622	The Impact of Emerging Media	
JOURN 664	Social Networks in Communication	

	JOURN/L I S 677	Concepts and Tools for Data Analysis and Visualization
	JOURN 678	Legal & Ethical Dimensions of Emerging Media
Total Credits		**11-12**

[2] Special Topics courses may count for either concentration, or no concentration, depending on Topic. Consult the advisor for this major to determine eligibility of JOURN 475 to meet a major requirement.

[3] Students planning to complete both concentrations should consult with the undergraduate academic advisor about course availability and planning.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all JOURN and all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [5]
- 15 credits in JOURN, taken on the UW–Madison campus

[5] JOURN 400–699 are upper-level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Journalism undergraduate advisor.

HONORS IN THE JOURNALISM MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA for all JOURN courses and all courses that count toward the major
- Complete one additional Topics or Advances course, for a total of two Topics or Advances courses
- Earn a grade of B or better in the four Perspectives, Topics and Advances courses
- Complete a two-semesters of Senior Honors Thesis in JOURN 681 and JOURN 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Convey information and express ideas effectively in contemporary media.
2. Understand the responsible and ethical use of mass media.
3. Appreciate the media's relationship with social, political, legal and economic systems.
4. Think strategically, creatively and critically, to solve problems in a professional context.
5. Develop effective practices to advance inclusion and social justice in media professions and communication research.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	JOURN 201	4
Quantitative Reasoning A	3-4	Ethnic Studies	3
Science Breadth	3	Biologial Science Breadth	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	13		**14**

Second Year

Fall	Credits	Spring	Credits
JOURN 202	6	JOURN 335 or 345	4
JOURN 203	3	Literature Breadth	4
Quantitative Reasoning B	3	Physical Science Breadth	3
Social Science Breadth	4	Social Science Breadth	4
		JOURN 601	1
	16		**16**

Third Year

Fall	Credits	Spring	Credits
Journalism or Strategic Communication course	4	Perspectives course	4

Intermediate/Advanced Humanities or Social Science for JBA/JBS	4	Intermediate/Advanced Humanities or Social Science for JBA/JBS	4
Literature Breadth	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if JBS)	3-4
Science Breadth	3	Science Breadth	3
	15		**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
Perspectives course (JOURN 500+)	4	Topics or Advances course (JOURN 600+)	3-4
Intermediate/Advanced Humanities or Social Science for JBA/JBS	4	Electives	11
Intermediate/Advanced COMP SCI, MATH, or STAT (if JBS)	3-4		
Electives	5		
	16		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

All current UW–Madison undergraduate students interested in the Journalism bachelor's degree are welcome to schedule an academic advising appointment with the SJMC adviser.

For information about academic advising, see the School of Journalism and Mass Communication website (https://journalism.wisc.edu/undergraduate/meet-with-an-advisor/).

Are you a prospective student? The SJMC welcomes prospective students to take a tour of Vilas Hall and attend our admission information sessions. Learn more about the application process and requirements for admission (https://journalism.wisc.edu/undergraduate/undergraduate-admissions/).

CAREER SERVICES & ADVISING

One of the major benefits of the School of Journalism and Mass Communication major is access to a dedicated and experienced communications industry career adviser. The School also provides an up-to-date list of job postings (https://journalism.wisc.edu/careers/job-listings/) on its website. Through our large network of active alumni, relationships with industry professionals, and hands-on skills curriculum, over 90% of our students find jobs within three to six months of graduation.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

JOURNALISM, JBS

The Journalism bachelor's degree in the School of Journalism and Mass Communication (SJMC) provides you with a connected, collaborative, and inclusive community of passionate communicators and prepares you for careers in a wide variety of fields. Whether you are interested in advertising and public relations, investigative journalism, or magazine publishing, you will be equipped with an education grounded in the liberal arts and a unique blend of hands-on skills training, theoretical learning, and real-world practice. As a result, you will graduate from SJMC and UW–Madison as a skilled communicator, critical thinker, seasoned problem-solver, and innovator who is ready to hit the ground running in your careers.

This degree prepares you to:

- inform and persuade audiences with compelling messages, across a variety of contemporary media;
- think strategically, creatively and critically to solve problems in a professional context;
- meet the demands of an ever-changing communication industry with a wide variety of practical skills and real-world experience;
- understand the responsible and ethical use of mass media;
- appreciate the media's relationship with social, political, legal, and economic systems; and
- develop effective practices to advance inclusion and social justice in media professions and communication research.

HOW TO GET IN

HOW TO GET IN

ADMISSION TO THE JOURNALISM DEGREE PROGRAM

Students who wish to declare themselves as degree candidates in journalism must submit an application to the School of Journalism and Mass Communication (SJMC). Applications are accepted each fall and spring semester for admission the following semester. Prospective degree candidates must present to the school a record of academic achievement, writing ability and extracurricular participation that indicate a probability of success in some field of communication.

In order to apply for admission to the school, students must have met the following requirements:

- Completion of JOURN 201 by the end of the semester in which they apply. Students may have no more than 16 credits in Journalism courses taken at UW–Madison when applying for admission.

Students transferring journalism course credit from other colleges and universities should check their record of transferred credit with the SJMC undergraduate academic advisor. The academic advisor is available for consultation at most SOAR orientation sessions for transfer students.

The number of students to be admitted in a given semester is subject to change based on the school's capacity to provide adequate access to required courses. Admissions decisions are based on the entire application, with particular emphasis on academic performance and writing ability. Specific guidelines for submitting the application portfolio are available online at this link (https://journalism.wisc.edu/undergraduate/undergraduate-admissions/) or in SJMC academic advising. The academic advisor conducts one-hour information sessions for applicants each semester, with dates and times listed on the application; these sessions are highly recommended and provide more information for applicants than is possible in a one-on-one advising meeting.

After admission to the school, the student's classification will be changed to JBA or JBS to reflect this change in status.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE-JOURNALISM (JBS)

The School of Journalism and Mass Communication is a professional school within the College of Letters & Sciences (L&S). The College confers the Bachelor of Science—Journalism (JBS) degree.

Students pursuing a Bachelor of Science—Journalism (JBS) degree in the College of Letters & Science must complete all of the requirements below. The JBS is a special degree program; it is not considered a major. The JBS degree is not available to students who intend to earn a degree outside the College of Letters & Science.

BACHELOR OF SCIENCE-JOURNALISM DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW–Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

REQUIREMENTS FOR THE MAJOR

Students must complete 32 credits in major course work, to include:

INTRODUCTORY REQUIREMENTS

Code	Title	Credits
Introduction to Journalism		
JOURN 201	Introduction to Mass Communication	4
JOURN 202	Mass Communication Practices	6
JOURN 203	Information for Communication	3

Social Science and Humanities	**12**
Intermediate/Advanced courses from at least three distinct Subjects [1]	
Total Credits	**25**

[1] Courses cross-listed in JOURN **may *not* count** toward this requirement.

CONCENTRATIONS

Students must complete one of two concentrations: **Journalism**, which focuses on reporting, or **Strategic Communication**, which focuses on forms of persuasive communication that includes advertising and public relations). [3]

Journalism

Code	Title	Credits
Journalism Concentration		
JOURN 335	Principles and Practices of Reporting	4
Advanced Reporting - one course:		**4**
JOURN 401	In-Depth Reporting	
JOURN 405	Creative Nonfiction	
JOURN 411	Multimedia Design	
JOURN 417	Magazine Publishing	
JOURN 415	Science and Environmental Journalism	
JOURN 420	Investigative Reporting	
JOURN 425	Video Journalism	
JOURN 426	Community-Based Reporting	
JOURN 455	Emerging Media and the News	
JOURN 456	Long Form Video	
JOURN 457	Storytelling Through Sound	
JOURN 475	Special Topics in Advanced Concepts and Skills [2]	
Total Credits		**8**

Strategic Communication

Code	Title	Credits
Strategic Communications Concentration		
JOURN 345	Principles and Practice of Strategic Communication	4
Advanced Strategic Communication—one course:		**4**
JOURN 411	Multimedia Design	
JOURN 417	Magazine Publishing	
JOURN 445	Creative Campaign Messages	
JOURN 447	Strategic Media Planning	
JOURN 449	Account Planning and Strategy	
JOURN 455	Emerging Media and the News	
JOURN 456	Long Form Video	
JOURN 457	Storytelling Through Sound	
JOURN 463	Digital Media Strategies	
JOURN 464	Public Relations Strategies	
JOURN 465	Social Media Marketing Communications	
JOURN 475	Special Topics in Advanced Concepts and Skills [2]	
Total Credits		**8**

PERSPECTIVES, TOPICS AND ADVANCES

Code	Title	Credits
Perspectives (Two courses):		**8**
JOURN/ HISTORY 560	History of U.S. Media	
JOURN 561	Mass Communication and Society	
JOURN 562	Mass Media and Racial Diversity	
JOURN 563	Law of Mass Communication	
JOURN 564	Media and the Consumer	
JOURN 565	Effects of Mass Communication	
JOURN 566	Communication and Public Opinion	
JOURN 567	Mass Media and Global Communication	
Topics or Advances (1 course):		**3-4**
JOURN/ MARKETNG 605	Digital Brand Building	
JOURN/ COM ARTS/ HDFS 616	Mass Media and Youth	
JOURN 618	Mass Communication and Political Behavior	
JOURN 620	International Communication	
JOURN 649	Brand Strategy in Advertising & Integrated Communications	
JOURN 657	Understanding Research Design & Statistics in Mass Communication	
JOURN 658	Communication Research Methods	
JOURN/ ASIAN AM 662	Mass Media and Minorities	
JOURN 669	Literary Aspects of Journalism	
JOURN 675	Topics in Government and Mass Media	
JOURN 676	Special Topics in Mass Communication	
JOURN/ COM ARTS/ LSC 617	Health Communication in the Information Age	
JOURN 622	The Impact of Emerging Media	
JOURN 664	Social Networks in Communication	
JOURN/L I S 677	Concepts and Tools for Data Analysis and Visualization	
JOURN 678	Legal & Ethical Dimensions of Emerging Media	
Total Credits		**11-12**

[2] Special Topics courses may count for either concentration, or no concentration, depending on Topic. Consult the advisor for this major to determine eligibility of JOURN 475 to meet a major requirement.

[3] Students planning to complete both concentrations should consult with the undergraduate academic advisor about course availability and planning.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all JOURN and all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence [5]
- 15 credits in JOURN, taken on the UW–Madison campus

[5] JOURN 400–699 are upper-level in the major.

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Journalism undergraduate advisor.

HONORS IN THE JOURNALISM MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.400 GPA for all JOURN courses and all courses that count toward the major
- Complete one additional Topics or Advances course, for a total of two Topics or Advances courses
- Earn a grade of B or better in the four Perspectives, Topics and Advances courses
- Complete a two-semesters of Senior Honors Thesis in JOURN 681 and JOURN 682, for a total of 6 credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Convey information and express ideas effectively in contemporary media.
2. Understand the responsible and ethical use of mass media.
3. Appreciate the media's relationship with social, political, legal and economic systems.
4. Think strategically, creatively and critically, to solve problems in a professional context.
5. Develop effective practices to advance inclusion and social justice in media professions and communication research.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	JOURN 201	4
Quantitative Reasoning A	3-4	Ethnic Studies	3
Science Breadth	3	Biological Science Breadth	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	13		**14**

Second Year

Fall	Credits	Spring	Credits
JOURN 202	6	JOURN 335 or 345	4
JOURN 203	3	Literature Breadth	4
Quantitative Reasoning B	3	Physical Science Breadth	3
Social Science Breadth	4	Social Science Breadth	4
		JOURN 601	1
	16		**16**

Third Year

Fall	Credits	Spring	Credits
Journalism or Strategic Communication course	4	Perspectives course	4
Intermediate/Advanced Humanities or Social Science for JBA/JBS	4	Intermediate/Advanced Humanities or Social Science for JBA/JBS	4
Literature Breadth	4	Intermediate/Advanced COMP SCI, MATH, or STAT (if JBS)	3-4
Science Breadth	3	Science Breadth	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Perspectives course (JOURN 500+)	4	Topics or Advances course (JOURN 600+)	3-4

Intermediate/Advanced Humanities or Social Science for JBA/JBS	4 Electives	11
Intermediate/Advanced COMP SCI, MATH, or STAT (if JBS)	3-4	
Electives	5	
	16	**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

All current UW–Madison undergraduate students interested in the Journalism bachelor's degree are welcome to schedule an academic advising appointment with the SJMC adviser.

For information about academic advising, see the School of Journalism and Mass Communication website (https://journalism.wisc.edu/undergraduate/meet-with-an-advisor/).

Are you a prospective student? The SJMC welcomes prospective students to take a tour of Vilas Hall and attend our admission information sessions. Learn more about the application process and requirements for admission (https://journalism.wisc.edu/undergraduate/undergraduate-admissions/).

CAREER SERVICES & ADVISING

One of the major benefits of the School of Journalism and Mass Communication major is access to a dedicated and experienced communications industry career adviser. The School also provides an up-to-date list of job postings (https://journalism.wisc.edu/careers/job-listings/) on its website. Through our large network of active alumni, relationships with industry professionals, and hands-on skills curriculum, over 90% of our students find jobs within three to six months of graduation.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SPORTS COMMUNICATION, CERTIFICATE

Sports sit at the heart of UW–Madison culture, and communication plays a central role in the business of sports. The Sports Communication Certificate prepares students with real-world skills, hands-on training, and knowledge for success in the growing and fast-paced professions of sports journalism and sports marketing communication.

This certificate is open to any undergraduate student with an interest in sports reporting, sports marketing, or sports management. Through their coursework, students will learn how to creatively, critically, and responsibly communicate about sports.

The certificate includes a foundational introduction to sports communication; skills courses on writing, reporting, or marketing; and social impacts courses to understand the role that sports plays in societies. You also complete professional development through an internship, field work, or similar hands-on experience.

Many courses offered in this certificate are taught fully online and during the summer, making this a flexible option that fits with many academic plans.

HOW TO GET IN

HOW TO GET IN

The Certificate in Sports Communication will be open to any University of Wisconsin-Madison undergraduate. Students may declare or cancel the certificate at any time in consultation with the certificate advisor.

REQUIREMENTS

REQUIREMENTS

The certificate requires 12 credits as follows:[1]

Code	Title	Credits
Survey Course:		
JOURN 150	Introduction to Sports Communication	3
One Skills course from the following:		**3**
JOURN 350	Sports Marketing Communications	
JOURN 450	Sports Reporting and Writing	
MARKETNG 410	Sports Marketing	
One Social Impacts course from the following:		**3**
HISTORY 136	Sport, Recreation, & Society in the United States	
JOURN 162	Mass Media in Multicultural America	
AMER IND 185	Indigenous Athletes and Sports	
GEOG/ INTL ST 311	The Global Game: Soccer, Politics, and Identity	
COM ARTS 359	Sports Media	
JOURN 651	Communicating Sports Controversies	

One Professional Enrichment course from the following:		**1-3**
INTER-LS 260	Internship in the Liberal Arts and Sciences	
JOURN 601	Colloquium in Professional Communication Careers	
JOURN 697	Internship	
JOURN 699	Directed Study	
COM ARTS 614	Field Experience in Communication	
COM ARTS 615	Second Field Experience in Communication	
Elective credit from any course above to achieve 12 credits		**0-2**
Total Credits		**12**

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses.
- At least 6 credits in the certificate must be completed in residence.

[1] Courses taken on a Pass/Fail basis do meet requirements of the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Inform and persuade audiences with compelling sports-related messages, across a variety of contemporary media.
2. Think strategically, creatively and critically to solve problems and meet the demands and challenges of informing the public about sports while understanding the norms of amateur and professional sports organizations.
3. Understand the responsible and ethical use of mass media to convey information to sports-interested audiences.
4. Appreciate and articulate the role of sports in culture and society and the media's relationship with that role.

ADVISING AND CAREERS

ADVISING AND CAREERS

Please contact Sandra Kubat (sandra.kubat@wisc.edu), the undergraduate advisor for the Sports Communication Certificate, with your questions about courses and requirements.

The Sports Communication Certificate encourages you to gain practical experience through internships and career-building courses (see Certificate Requirements (p.)).

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SOCIOLOGY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Applied Social Research, Certificate (p. 1321)
- Integrated Studies in Science, Engineering, and Society, Certificate (p. 1323)
- Sociology, BA (p. 1326)
- Sociology, BS (p. 1332)

APPLIED SOCIAL RESEARCH, CERTIFICATE

The Certificate in Applied Social Research is designed for students who are interested in answering questions about the social world with qualitative and quantitative data and scientific research methods. This program prepares students for jobs in applied social research and for graduate study. Students gain training in advanced statistics, social science computing, and a variety of research methods. By selecting appropriate electives and internships, students may focus their training on demography, survey research, marketing and communications, criminal justice, health care, education, social services, natural resources, organizations, or personnel and human resources.

HOW TO GET IN

HOW TO GET IN

Students may declare the certificate after completing at least one Introductory Statistics course and at least one Social Science Methods

course with a 3.000 GPA. This GPA is computed on all attempts prior to and including the first passed attempt of any eligible course in each group.

Students must meet with either the Sociology undergraduate advisor or the CASR program director to declare the certificate. Appointments may be arranged via email or in Starfish.

Code	Title	Credits
Introductory Statistics		
Complete one of the following:		
SOC/C&E SOC 360	Statistics for Sociologists I (preferred)	4
STAT 301	Introduction to Statistical Methods	3
STAT 240	Data Science Modeling I	4
STAT 324	Introduction to Statistics for Science and Engineering	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
ECON 310	Statistics: Measurement in Economics	4
ED POL 209	Introduction to Quantitative Methods in Education Policy	3
I SY E 210	Introduction to Industrial Statistics	3
B M E 325	Applied Statistics for Biomedical Engineers	3
CBE 355	Statistics for Chemical Engineers	3
PSYCH 210	Basic Statistics for Psychology	3
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	3
Social Science Methods		
Complete one of the following:		
SOC/C&E SOC 357	Methods of Sociological Inquiry	3-4
POLI SCI 170	Research Methods in Political Science	3-4
LSC 250	Research Methods in the Communication Industry	3
HDFS 425	Research Methods in Human Development and Family Studies	3
CNSR SCI 201	Consumer Insights	3
SOC WORK 650	Methods of Social Work Research	3

REQUIREMENTS

REQUIREMENTS

The Applied Social Research certificate requires a minimum of 15 credits. Students must complete a separate course for each requirement below.

Code	Title	Credits
Statistics (complete one course):		**3**
SOC/C&E SOC 361	Statistics for Sociologists II	
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
STAT 333	Applied Regression Analysis	
STAT 340	Data Science Modeling II	
Data Management (complete one):		**3**
SOC/C&E SOC 365	Data Management for Social Science Research	
A A E/ECON 421	Economic Decision Analysis	
Research Electives		**6**
Complete at least 6 credits with a minimum of 3 credits in SOC		
SOC 351	Introduction to Survey Methods for Social Research	
SOC 362	Statistics for Sociologists III	
SOC 575	Sociological Perspectives on the Life Course and Aging	
SOC/AMER IND/C&E SOC 578	Poverty and Place	
SOC/C&E SOC 618	Social Network Analysis	
SOC 633	Social Stratification	
SOC 674	Demographic Techniques I	
A A E/ECON 526	Quantitative Methods in Agricultural and Applied Economics	
A A E/ECON 421	Economic Decision Analysis	
COMP SCI 320	Data Science Programming II	
INFO SYS 371	Technology of Computer-Based Business Systems	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH/I SY E/OTM/STAT 632	Introduction to Stochastic Processes	
MARKETNG 310	Marketing Research	
POLI SCI 305	Elections and Voting Behavior	
POLI SCI 515	Public Opinion	
PSYCH 225	Research Methods	
STAT 303	R for Statistics I	
STAT 304	R for Statistics II	
STAT 305	R for Statistics III	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT 436	Statistical Data Visualization	
STAT/B M I 642	Statistical Methods for Epidemiology	
STAT 405	Data Science Computing Project	
STAT 575	Statistical Methods for Spatial Data	
ED POL 601	Research and Evaluation for Equity	
ED POL 605	Using Secondary Data: Applied Quantitative Analysis	
ED POL 688	Introduction to Survey Methods for Education Research	
Capstone		
SOC/C&E SOC 693	Practicum in Analysis and Research	3
Total Credits		**15**

RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence.
- Minimum 3.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand and practice principles of accurate, reproducible social research
2. Evaluate the relative strengths and weaknesses of various social science research methods for addressing different types of research questions
3. Process, manage, and analyze social science data
4. Evaluate the strengths and limitations of data for answering different types of research questions
5. Communicate research findings effectively to a variety of audiences, including applying best practices for data visualization
6. Think critically about ethical questions arising in the conduct of social science and design research according to best ethical practices
7. Articulate relevance of applied social research skills to careers and graduate education

ADVISING AND CAREERS

ADVISING AND CAREERS

Students should consult with the undergraduate advisor in Sociology or the Certificate in Applied Social Research faculty director to declare the certificate.

WHERE CAN I USE SOCIAL RESEARCH SKILLS?

Almost anywhere! Learning social research skills prepares students to pose research questions, understand what kinds of data can answer them, manage and analyze data and have the background to assess its quality. These skills can be deployed in many types of careers. Recent graduates have jobs such as data analyst, associate planner, risk analyst, research associate, study coordinator, and operations data specialist. They work in settings such as research centers, all kinds of business fields, and federal, state and local government offices and nonprofits. Recent graduates also have also pursued masters and doctoral degrees in Sociology and adjacent fields such as public health, policy, law, and medicine.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

INTEGRATED STUDIES IN SCIENCE, ENGINEERING, AND SOCIETY, CERTIFICATE

The certificate in Integrated Studies in Science, Engineering, and Society (ISSuES) offers students an opportunity to explore the social sciences and humanities in a way that emphasizes the relationship between science, technology, medicine, engineering, and society. From energy to communications technologies to gene editing to automation, the interplay between researchers, developers, policy makers and the public is constantly shaping and reshaping our world. The certificate allows students to complement their majors with a set of courses aimed at helping them understand how society shapes science and how science shapes society.

Offered by the Holtz Center for Science & Technology Studies, the certificate was designed to help students in STEM majors fulfill their liberal-arts requirements, but is highly flexible and is available to all undergraduate students interested in exploring the complex interplay between science, technology, medicine, engineering, and society.

HOW TO GET IN

HOW TO GET IN

The certificate in integrated studies in science, engineering and society (ISSuES) is offered to all undergraduate students. Students should begin the application process by the end of sophomore year, but no later than the end of their junior year.

The first step in applying to the program is to consult with the ISSuES certificate advisor. To make an appointment, please send an email to sts@ssc.wisc.edu.

REQUIREMENTS

REQUIREMENTS

15 CREDITS, TO INCLUDE: [1]

Code	Title	Credits
Required Course		
STS 201	Where Science Meets Society	3

9 credits from one focus area:		**9**
Ethics:		
	ED PSYCH 301	How People Learn
	ENVIR ST 112	Environmental Studies: Social Science Perspectives
	ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies
	HIST SCI 133	Biology and Society, 1950 - Today
	HIST SCI 201	The Origins of Scientific Thought
	HIST SCI 202	The Making of Modern Science
	HIST SCI/ MED HIST 212	Bodies, Diseases, and Healers: An Introduction to the History of Medicine
	HIST SCI 222	Technology and Social Change in History
	HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History
	HIST SCI/ MED HIST/ RELIG ST 331	Science, Medicine and Religion
	HIST SCI/ MED HIST/ POP HLTH 553	International Health and Global Society
	HISTORY/ ENVIR ST/ GEOG 460	American Environmental History
	MED HIST/ PHILOS 515	Public Health Ethics
	MED HIST 699	Independent Study in Medical History
	PHILOS 241	Introductory Ethics
	PHILOS 243	Ethics in Business
	PHILOS 320	Philosophy of Science
	PHILOS 341	Contemporary Moral Issues
	PHILOS/ ENVIR ST 441	Environmental Ethics
	PHILOS 541	Modern Ethical Theories
Leadership:		
	A A E/ NUTR SCI 350	World Hunger and Malnutrition
	ENVIR ST/ POP HLTH 471	Introduction to Environmental Health
	GEOG/ ENVIR ST 139	Global Environmental Issues
	HIST SCI/ S&A PHM 401	History of Pharmacy
	LSC 100	Science and Storytelling
	LSC 350	Visualizing Science and Technology
	LSC 625	Risk Communication
	M H R 300	Managing Organizations
	POLI SCI 104	Introduction to American Politics and Government
	POLI SCI/ LEGAL ST 217	Law, Politics and Society
	SOC/ C&E SOC 245	Technology and Society
	SOC WORK 206	Introduction to Social Policy
Design:		
	ART 102	2D Foundations
	ART 104	3D Foundations
	ART 107	Introduction to Digital Forms
	ART 108	Foundations of Contemporary Art
	ART 112	Drawing for Non-Art Majors
	ART 212	Drawing Foundations
	ART 334	Wood Working
	ART 448	Special Topics
	ART 534	Advanced Wood Working
	ART HIST 202	History of Western Art II: From Renaissance to Contemporary
	ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present
	ART HIST/ ASIAN 379	Cities of Asia
	ART HIST 567	Proseminar in American Architecture
	DS 120	Design: Fundamentals I
	DS 210	Fashion Illustration
	DS 220	Design: Fundamentals II
	DS 221	Person and Environment Interactions
	DS 642	Taste
	ENVIR ST/ GEOG 139	Global Environmental Issues
	HIST SCI 350	Special Topics in the History of Science
	JOURN 415	Science and Environmental Journalism
	LAND ARC 250	Survey of Landscape Architecture Design
	LSC 440	Digital Media and Science Communication
	M H R 300	Managing Organizations
	PHILOS 241	Introductory Ethics
	SOC/ C&E SOC 245	Technology and Society
General:		
	AFROAMER 272	Race and American Politics from the New Deal to the New Right
	ANTHRO 104	Cultural Anthropology and Human Diversity
	ART 107	Introduction to Digital Forms
	COM ARTS 200	Introduction to Digital Communication
	CURRIC 277	Videogames & Learning
	DS 120	Design: Fundamentals I
	ENVIR ST 112	Environmental Studies: Social Science Perspectives
	ENVIR ST/ GEOG 339	Environmental Conservation
	HIST SCI 201	The Origins of Scientific Thought
	HIST SCI 202	The Making of Modern Science

HIST SCI 222	Technology and Social Change in History	
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	
HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	
MED HIST/ HIST SCI 509	The Development of Public Health in America	
PHILOS 101	Introduction to Philosophy	
POP HLTH/ HIST SCI/ MED HIST 553	International Health and Global Society	
PSYCH/ I SY E 349	Introduction to Human Factors	
ZOOLOGY/ BOTANY/ ENVIR ST 260	Introductory Ecology	
Capstone—one from: [2]		**3**
ART 448	Special Topics	
ART 534	Advanced Wood Working	
ART HIST 567	Proseminar in American Architecture	
DS 642	Taste	
GEOG 342	Geography of Wisconsin	
HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	
LSC 625	Risk Communication	
MED HIST/ HIST SCI 509	The Development of Public Health in America	
MED HIST 699	Independent Study in Medical History	
PHILOS 341	Contemporary Moral Issues	
POP HLTH/ HIST SCI/ MED HIST 553	International Health and Global Society	
PSYCH/ I SY E 349	Introduction to Human Factors	
STS 699	Directed Study	
Total Credits		**15**

[1] Courses taken with the pass/fail grade option do not apply to the certificate.

[2] Courses used for the Focus area cannot also count for Capstone.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA on all courses counting toward the certificate and certificate approved courses
- 8 credits in the certificate, in residence

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Be exposed to the social sciences and humanities and see their relevance to scientific and technological enterprises.
2. Develop the capacity for interdisciplinary, critical thinking about the relationship between science, technology, engineering, medicine and society.
3. Develop a sense of personal and social responsibility for their engineering, scientific or other professional practice.
4. Strengthen written communication skills.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

To obtain advising assistance, students should consult with the certificate advisor: sts@ssc.wisc.edu.

All UW–Madison undergraduates are encouraged to begin working on their career exploration and preparation soon after arriving on campus. We partner with SuccessWorks at the College of Letters & Science. L&S graduates are in high demand by employers and graduate programs, and the ISSuES certificate provides students with a way to integrate their liberal studies with the skills they are developing in their majors. It is important to us that our students are career ready at the time of graduation, and we are committed to your success. Students who have completed the certificate say that it helped them enhance the portfolio of skills they offered to employers and graduate programs by giving them foundations for understanding and communicating effectively about the ethical, policy, design, and other nontechnical aspects of science, engineering, and medicine.

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SOCIOLOGY, BA

Sociology applies the methods of science to explain social behavior. The interactions of individuals in families, groups, or organizations, and the institutions, social class, or shared beliefs of a common culture are all subjects for sociological research. There are many career opportunities open to people who complete a major in Sociology, including business, counseling and social service, public policy, law, and criminal justice.

Students interested in the Sociology major should meet with the undergraduate advisor before they register for the second semester of the sophomore year. The undergraduate office's resource center holds detailed information about the major, the department, research interests of Sociology faculty, career opportunities, and student work. Declaration of the major during the sophomore year will give students access to required Sociology courses for fall of the junior year.

HOW TO GET IN

HOW TO GET IN

Students must meet with the undergraduate advisor and review the requirements prior to declaring the major.

To declare the Concentration in Analysis and Research, students must have completed SOC/C&E SOC 360 and SOC/C&E SOC 357 with a 3.000 GPA between the two courses.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.

Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

A minimum of 30 credits in SOC courses is required for the basic major. Students are strongly encouraged to complete the Foundation courses as early as possible; these courses are prerequisites for most upper-level SOC courses.

FOUNDATION (CORE)

Code	Title	Credits
Introduction to SOC (1 course)		**3-4**
SOC/ C&E SOC 210	Survey of Sociology	
SOC/ C&E SOC 211	The Sociological Enterprise	
SOC 181	Honors Introductory Seminar-The Sociological Enterprise	
Research Methods [1]		
SOC/C&E SOC 357	Methods of Sociological Inquiry (Research Methods)	3-4
Statistics [2]		
SOC/C&E SOC 360	Statistics for Sociologists I	3-4
or ECON 310	Statistics: Measurement in Economics	
or MATH/ STAT 310	Introduction to Probability and Mathematical Statistics II	
or PSYCH 210	Basic Statistics for Psychology	
or STAT 301	Introduction to Statistical Methods	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
Classical Theory		
SOC/C&E SOC 475	Classical Sociological Theory	3
Total Credits		**12-15**

1 Students may take methods and statistics in the same semester. If students take methods and statistics in different semesters, we recommend taking methods before statistics as an entry point to the methods and materials of the field.

2 Statistics courses taken outside of the SOC subject do not count for 30-credits required in the major, nor are they upper level in the major.

DISTRIBUTION

4 courses from at least 2 of these areas:

Methods/Statistics

Code	Title	Credits
SOC 351	Introduction to Survey Methods for Social Research	3
SOC/C&E SOC 361	Statistics for Sociologists II	4
SOC 362	Statistics for Sociologists III	4
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
SOC 375	Introduction to Mathematical Sociology	3
SOC 376	Mathematical Models of Social Systems	3
SOC 461	Study Abroad in Additional Methods and Statistics	1-6
SOC/C&E SOC 618	Social Network Analysis	3
SOC 631	Applied Qualitative Methods for Social Science	3-4

Theory

Code	Title	Credits
SOC 462	Study Abroad in Additional Theory	1-6
SOC 476	Contemporary Sociological Theory	3
SOC/ILS/ JEWISH 423	Modern Jewish Thought	3

Deviant Behavior

Code	Title	Credits
SOC 421	Processes of Deviant Behavior	3-4
SOC/ SOC WORK 422	Social Issues in Aging	3
SOC 441	Criminology	3-4
SOC 446	Juvenile Delinquency	3-4
SOC 463	Study Abroad in Deviant Behavior	1-6
SOC/GEN&WS/ LEGAL ST 425	Crime, Gender and Justice	3
SOC/CHICLA/ LEGAL ST 443	Immigration, Crime, and Enforcement	3-4
SOC/CHICLA/ LEGAL ST 440	Ethnicity, Race, and Justice	3-4
SOC/GEN&WS/ LEGAL ST 406	Law, Sexuality, & Society	3-4

Social Psychology

Code	Title	Credits
SOC 444	Social Psychology: A Sociological Perspective	3-4
SOC/PSYCH 453	Human Sexuality	4
SOC 464	Study Abroad in Social Psychology	1-6
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 535	Talk and Social Interaction	3
SOC 543	Collective Behavior	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3

Social Organization

Code	Title	Credits
SOC 465	Study Abroad in Social Organization	1-6
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC 624	Political Sociology	3
SOC 626	Social Movements	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3
SOC 632	Sociology of Organizations	3-4
SOC 633	Social Stratification	3
SOC 640	Sociology of the Family	3
SOC/LAW/ LEGAL ST 641	Sociology of Law	3-4
SOC/C&E SOC/ URB R PL 645	Modern American Communities	3
SOC 647	Sociology of Sport	3
SOC/ED POL 648	Sociology of Education	3
SOC/C&E SOC 650	Sociology of Agriculture	3
SOC/C&E SOC 652	Sociology of Economic Institutions	3
SOC/HISTORY 670	Capitalism, Socialism, and Democracy in America Since 1890	3-4
SOC 678	Sociology of Persecution	3
SOC/ASIAN 336	Social Change in Contemporary South Korea	3

Demography and Ecology

Code	Title	Credits
SOC 460	Study Abroad in Demography and Ecology	1-6
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC 674	Demographic Techniques I	3

Community and Environmental Sociology

Code	Title	Credits
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC/C&E SOC 650	Sociology of Agriculture	3

ELECTIVES

Additional SOC courses to achieve the required 30 credits for the major.[4]

[4] A maximum one introductory course (SOC 181, SOC/C&E SOC 210, SOC/C&E SOC 211) may count toward the 30 required for the major.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SOC courses and courses that count toward the major
- 2.000 GPA on 15 upper-level major credits, taken in Residence[5]
- 15 credits in SOC, taken on the UW–Madison campus

[5] SOC courses numbered 300–699 are upper level, except for: C&E SOC/SOC 357, C&E SOC/SOC 360, PSYCH/SOC 453, and SOC 497.

SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH OPTION

View as listView as grid

- **SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH (P. 1330)**

HONORS IN THE MAJOR

Students may declare Honors in the Sociology Major in consultation with the Sociology undergraduate advisor.

HONORS IN THE SOCIOLOGY MAJOR: REQUIREMENTS

To earn Honors in the Major in Sociology, students must satisfy the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all SOC courses, and all courses accepted in the major
- Complete 21 credits, taken for Honors, with individual grades of B or better, to include:

Code	Title	Credits
SOC/C&E SOC 357	Methods of Sociological Inquiry	4
SOC/C&E SOC 475	Classical Sociological Theory	3
SOC 681	Senior Honors Thesis	3
SOC 682	Senior Honors Thesis	3

The remaining Honors credits, to reach the 21 credit minimum, must be in courses numbered 300 or above.

Students may declare the Concentration in Analysis and Research ("CAR"). Speak to the major advisor about this option.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Conduct Research and Analyze Data) Sociology encompasses both qualitative and quantitative research methods. Quantitative methods are used in market research, opinion polling, sales, government, and countless other applications and allow researchers to recognize trends and patterns and produce social statistics. Qualitative research skills provide an in depth understanding of interactions, communications, worksite practices, and social worlds. Advanced sociological research methods require graduate#level training beyond the scope of our undergraduate major, but we expect that all undergraduate majors will be able to conduct small-scale research using surveys, interviews, experiments, textual analysis or observations in which they formulate a research question, collect data, analyze results, and draw conclusions.
2. (Critically Evaluate Published Research) Sociology graduates will be able to read and evaluate published research as it appears in academic journals and popular or policy publications. They will be able to identify the research methods used, assess the quality of the sample, assess the quality of measurements and procedures, evaluate the links between the data and the interpretations, identify possible threats to the validity of the results, and provide an overall assessment of the trustworthiness of the research results. They will be able to read and evaluate a set of research articles on the same broad issue and be able to draw summarize the research findings across multiple issue.
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FOUR-YEAR PLAN

FOUR-YEAR PLAN

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First Year

Fall	Credits	Spring	Credits
Communication A	3	SOC/C&E SOC 210 or 211 (SOC 211 also satisfies Communication B)	3-4
Quantitative Reasoning A	3	SOC/C&E SOC 357	4
Foreign Language (if required)	4	Biological Science Breadth	3
Ethnic Studies (may be taken in the major)	3	Intermediate MATH, COMP SCI or STAT (for BS)	3
Physical Science Breadth	3		
	16		**14**

Second Year

Fall	Credits	Spring	Credits
SOC/C&E SOC 360 (satisfies Quantitative Reasoning B)	4	SOC/C&E SOC 475	3
INTER-LS 210	1	SOC Distribution (upper level)	4
Humanities Breadth	3	Natural Science Breadth	3
Science Breadth	3	Literature Breadth	3

Elective	4	Elective	2
	15		**15**

Third Year

Fall	**Credits**	**Spring**	**Credits**
Declare the major		SOC Distribution (upper level)	4
Humanities Breadth	6	Electives	11
SOC Distribution (upper level)	4		
Electives	5		
	15		**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
SOC Distribution (upper level)	3	SOC elective	4
Electives	12	Electives	11
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

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CAREERS

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SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

ESSENTIAL LEARNING IN THE COLLEGE OF LETTERS & SCIENCE

The three elements of learning described below — tools, breadth, and depth — work together to create a broad and rich education in the liberal arts and sciences, and promote attainment of core areas of essential learning: knowledge of human cultures and the natural and physical world, intellectual and practical skills, personal and social responsibility, and integrative and applied learning. These and countless other experiences comprise the Letters & Science approach to helping students obtain a distinctive Wisconsin Experience. (https://wisconsinexperience.wisc.edu/)

Additional information about the Wisconsin Experience can be found through the Office of Admissions and Recruitment/Why UW link (https://admissions.wisc.edu/wisconsin-experience/).

SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH

The Concentration in Analysis and Research option in the Sociology major is designed for students who do well and are interested in research methods and statistics. This option prepares students for entry-level jobs in applied social research and/or for graduate study. Key features of the concentration include advanced statistics courses, training in social science computing, and research. By selecting appropriate electives and internships, students may focus their training on demography, survey research, marketing and communications, criminal justice, health care, education, social services, natural resources, organizations, or personnel and human resources.

REQUIREMENTS

REQUIREMENTS

Students pursuing the Sociology: Concentration in Analysis and Research (CAR) option must complete:

- the Foundation (Core), Residence, and Quality of Work requirements of the general Sociology major
- at least 36 credits of coursework in the SOC subject, and
- the Concentration in Analysis and Research requirements detailed below.

ADDITIONAL CAR REQUIREMENTS

Code	Title	Credits
Additional Statistics		
Complete two courses:		
SOC/C&E SOC 361	Statistics for Sociologists II	4
or ECON 410	Introductory Econometrics	
SOC 362	Statistics for Sociologists III	3
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
Data Management		
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
Distribution		
Complete two Research Electives:		6
SOC 351	Introduction to Survey Methods for Social Research	
SOC 375	Introduction to Mathematical Sociology	
SOC 376	Mathematical Models of Social Systems	
SOC 535	Talk and Social Interaction	
SOC 575	Sociological Perspectives on the Life Course and Aging	
SOC/AMER IND/ C&E SOC 578	Poverty and Place	
SOC 633	Social Stratification	
SOC 674	Demographic Techniques I	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
POLI SCI 305	Elections and Voting Behavior	
POLI SCI 515	Public Opinion	
PSYCH 225	Research Methods	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT/B M I 642	Statistical Methods for Epidemiology	
INFO SYS 371	Technology of Computer-Based Business Systems	
MARKETNG 310	Marketing Research	
Research Practicum		
SOC/C&E SOC 693	Practicum in Analysis and Research	3
Total Credits		**19-20**

RESIDENCE AND QUALITY OF WORK

- A minimum 3.000 GPA on all CAR-specific courses is required at the time of graduation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
Communication A	3	SOC/C&E SOC 210 or 211 (SOC 211 also satisfies Communication B)	3-4
Quantitative Reasoning A	3	SOC/C&E SOC 357	4
Foreign Language (if required)	4	Biological Science Breadth	3
Ethnic Studies (may be taken in the major)	3	Intermediate MATH, COMP SCI or STAT (for BS)	3
Physical Science Breadth	3		
	16		**14**

Second Year

Fall	Credits	Spring	Credits
SOC/C&E SOC 360 (satisfies Quantitative Reasoning B)	4	SOC/C&E SOC 475	3
INTER-LS 210	1	SOC Distribution (upper level)	4
Humanities Breadth	3	Natural Science Breadth	3
Science Breadth	3	Literature Breadth	3
Elective	4	Elective	2
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the major		SOC Distribution (upper level)	4
Humanities Breadth	6	SOC/C&E SOC 365	3-4
SOC Distribution (upper level)	4	CAR Research Elective	4
Additional statistics for CAR option	3	Electives	3
Electives	2		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
SOC Distribution (upper level)	3	SOC/C&E SOC 693	3
CAR option Research Elective	3	Electives	12
Electives	9		
	15		**15**

Total Credits 120

SOCIOLOGY, BS

Sociology applies the methods of science to explain social behavior. The interactions of individuals in families, groups, or organizations, and the institutions, social class, or shared beliefs of a common culture are all subjects for sociological research. There are many career opportunities open to people who complete a major in Sociology, including business, counseling and social service, public policy, law, and criminal justice.

Students interested in the Sociology major should meet with the undergraduate advisor before they register for the second semester of the sophomore year. The undergraduate office's resource center holds detailed information about the major, the department, research interests of Sociology faculty, career opportunities, and student work. Declaration of the major during the sophomore year will give students access to required Sociology courses for fall of the junior year.

HOW TO GET IN

HOW TO GET IN

Students must meet with the undergraduate advisor and review the requirements prior to declaring the major.

To declare the Concentration in Analysis and Research, students must have completed SOC/C&E SOC 360 and SOC/C&E SOC 357 with a 3.000 GPA between the two courses.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

A minimum of 30 credits in SOC courses is required for the basic major. Students are strongly encouraged to complete the Foundation courses as early as possible; these courses are prerequisites for most upper-level SOC courses.

FOUNDATION (CORE)

Code	Title	Credits
Introduction to SOC (1 course)		**3-4**
SOC/ C&E SOC 210	Survey of Sociology	
SOC/ C&E SOC 211	The Sociological Enterprise	
SOC 181	Honors Introductory Seminar-The Sociological Enterprise	
Research Methods [1]		
SOC/C&E SOC 357	Methods of Sociological Inquiry (Research Methods)	3-4
Statistics [2]		
SOC/C&E SOC 360	Statistics for Sociologists I	3-4
or ECON 310	Statistics: Measurement in Economics	
or MATH/ STAT 310	Introduction to Probability and Mathematical Statistics II	
or PSYCH 210	Basic Statistics for Psychology	
or STAT 301	Introduction to Statistical Methods	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
Classical Theory		
SOC/C&E SOC 475	Classical Sociological Theory	3
Total Credits		**12-15**

1 Students may take methods and statistics in the same semester. If students take methods and statistics in different semesters, we recommend taking methods before statistics as an entry point to the methods and materials of the field.

2 Statistics courses taken outside of the SOC subject do not count for 30-credits required in the major, nor are they upper level in the major.

DISTRIBUTION

4 courses from at least 2 of these areas:

Methods/Statistics

Code	Title	Credits
SOC 351	Introduction to Survey Methods for Social Research	3
SOC/C&E SOC 361	Statistics for Sociologists II	4
SOC 362	Statistics for Sociologists III	4
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
SOC 375	Introduction to Mathematical Sociology	3
SOC 376	Mathematical Models of Social Systems	3
SOC 461	Study Abroad in Additional Methods and Statistics	1-6
SOC/C&E SOC 618	Social Network Analysis	3
SOC 631	Applied Qualitative Methods for Social Science	3-4

Theory

Code	Title	Credits
SOC 462	Study Abroad in Additional Theory	1-6
SOC 476	Contemporary Sociological Theory	3
SOC/ILS/ JEWISH 423	Modern Jewish Thought	3

Deviant Behavior

Code	Title	Credits
SOC 421	Processes of Deviant Behavior	3-4
SOC/ SOC WORK 422	Social Issues in Aging	3
SOC 441	Criminology	3-4
SOC 446	Juvenile Delinquency	3-4
SOC 463	Study Abroad in Deviant Behavior	1-6
SOC/GEN&WS/ LEGAL ST 425	Crime, Gender and Justice	3
SOC/CHICLA/ LEGAL ST 443	Immigration, Crime, and Enforcement	3-4
SOC/CHICLA/ LEGAL ST 440	Ethnicity, Race, and Justice	3-4
SOC/GEN&WS/ LEGAL ST 406	Law, Sexuality, & Society	3-4

Social Psychology

Code	Title	Credits
SOC 444	Social Psychology: A Sociological Perspective	3-4
SOC/PSYCH 453	Human Sexuality	4
SOC 464	Study Abroad in Social Psychology	1-6
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 535	Talk and Social Interaction	3
SOC 543	Collective Behavior	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3

Social Organization

Code	Title	Credits
SOC 465	Study Abroad in Social Organization	1-6
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC 624	Political Sociology	3
SOC 626	Social Movements	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3
SOC 632	Sociology of Organizations	3-4
SOC 633	Social Stratification	3
SOC 640	Sociology of the Family	3
SOC/LAW/ LEGAL ST 641	Sociology of Law	3-4
SOC/C&E SOC/ URB R PL 645	Modern American Communities	3
SOC 647	Sociology of Sport	3
SOC/ED POL 648	Sociology of Education	3
SOC/C&E SOC 650	Sociology of Agriculture	3
SOC/C&E SOC 652	Sociology of Economic Institutions	3
SOC/HISTORY 670	Capitalism, Socialism, and Democracy in America Since 1890	3-4
SOC 678	Sociology of Persecution	3
SOC/ASIAN 336	Social Change in Contemporary South Korea	3

Demography and Ecology

Code	Title	Credits
SOC 460	Study Abroad in Demography and Ecology	1-6
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC 674	Demographic Techniques I	3

Community and Environmental Sociology

Code	Title	Credits
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC/C&E SOC 650	Sociology of Agriculture	3

ELECTIVES

Additional SOC courses to achieve the required 30 credits for the major.[4]

[4] A maximum one introductory course (SOC 181, SOC/C&E SOC 210, SOC/C&E SOC 211) may count toward the 30 required for the major.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all SOC courses and courses that count toward the major
- 2.000 GPA on 15 upper-level major credits, taken in Residence[5]
- 15 credits in SOC, taken on the UW–Madison campus

[5] SOC courses numbered 300–699 are upper level, except for: C&E SOC/SOC 357, C&E SOC/SOC 360, PSYCH/SOC 453, and SOC 497.

SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH OPTION

View as listView as grid

- **SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH (P. 1330)**

HONORS IN THE MAJOR

Students may declare Honors in the Sociology Major in consultation with the Sociology undergraduate advisor.

HONORS IN THE SOCIOLOGY MAJOR: REQUIREMENTS

To earn Honors in the Major in Sociology, students must satisfy the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all SOC courses, and all courses accepted in the major
- Complete 21 credits, taken for Honors, with individual grades of B or better, to include:

Code	Title	Credits
SOC/C&E SOC 357	Methods of Sociological Inquiry	4
SOC/C&E SOC 475	Classical Sociological Theory	3
SOC 681	Senior Honors Thesis	3
SOC 682	Senior Honors Thesis	3

The remaining Honors credits, to reach the 21 credit minimum, must be in courses numbered 300 or above.

Students may declare the Concentration in Analysis and Research ("CAR"). Speak to the major advisor about this option.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

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INTER-LS 210	1	SOC Distribution (upper level)	4
Humanities Breadth	3	Natural Science Breadth	3
Science Breadth	3	Literature Breadth	3

Elective	4	Elective	2
	15		**15**

Third Year

Fall	**Credits**	**Spring**	**Credits**
Declare the major		SOC Distribution (upper level)	4
Humanities Breadth	6	Electives	11
SOC Distribution (upper level)	4		
Electives	5		
	15		**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
SOC Distribution (upper level)	3	SOC elective	4
Electives	12	Electives	11
	15		**15**

Total Credits 120

ADVISING AND CAREERS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
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WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

ESSENTIAL LEARNING IN THE COLLEGE OF LETTERS & SCIENCE

The three elements of learning described below — tools, breadth, and depth — work together to create a broad and rich education in the liberal arts and sciences, and promote attainment of core areas of essential learning: knowledge of human cultures and the natural and physical world, intellectual and practical skills, personal and social responsibility, and integrative and applied learning. These and countless other experiences comprise the Letters & Science approach to helping students obtain a distinctive Wisconsin Experience. (https://wisconsinexperience.wisc.edu/)

Additional information about the Wisconsin Experience can be found through the Office of Admissions and Recruitment/Why UW link (https://admissions.wisc.edu/wisconsin-experience/).

SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH

The Concentration in Analysis and Research option in the Sociology major is designed for students who do well and are interested in research methods and statistics. This option prepares students for entry-level jobs in applied social research and/or for graduate study. Key features of the concentration include advanced statistics courses, training in social science computing, and research. By selecting appropriate electives and internships, students may focus their training on demography, survey research, marketing and communications, criminal justice, health care, education, social services, natural resources, organizations, or personnel and human resources.

REQUIREMENTS

Students pursuing the Sociology: Concentration in Analysis and Research (CAR) option must complete:

- the Foundation (Core), Residence, and Quality of Work requirements of the general Sociology major
- at least 36 credits of coursework in the SOC subject, and
- the Concentration in Analysis and Research requirements detailed below.

ADDITIONAL CAR REQUIREMENTS

Code	Title	Credits
Additional Statistics		
Complete two courses:		
SOC/C&E SOC 361	Statistics for Sociologists II	4
or ECON 410	Introductory Econometrics	
SOC 362	Statistics for Sociologists III	3
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
Data Management		
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
Distribution		
Complete two Research Electives:		6
SOC 351	Introduction to Survey Methods for Social Research	
SOC 375	Introduction to Mathematical Sociology	
SOC 376	Mathematical Models of Social Systems	
SOC 535	Talk and Social Interaction	
SOC 575	Sociological Perspectives on the Life Course and Aging	
SOC/AMER IND/ C&E SOC 578	Poverty and Place	
SOC 633	Social Stratification	
SOC 674	Demographic Techniques I	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
POLI SCI 305	Elections and Voting Behavior	
POLI SCI 515	Public Opinion	
PSYCH 225	Research Methods	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT/B M I 642	Statistical Methods for Epidemiology	
INFO SYS 371	Technology of Computer-Based Business Systems	
MARKETNG 310	Marketing Research	
Research Practicum		
SOC/C&E SOC 693	Practicum in Analysis and Research	3
Total Credits		**19-20**

RESIDENCE AND QUALITY OF WORK

- A minimum 3.000 GPA on all CAR-specific courses is required at the time of graduation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
Communication A	3	SOC/C&E SOC 210 or 211 (SOC 211 also satisfies Communication B)	3-4
Quantitative Reasoning A	3	SOC/C&E SOC 357	4
Foreign Language (if required)	4	Biological Science Breadth	3
Ethnic Studies (may be taken in the major)	3	Intermediate MATH, COMP SCI or STAT (for BS)	3
Physical Science Breadth	3		
	16		**14**

Second Year

Fall	Credits	Spring	Credits
SOC/C&E SOC 360 (satisfies Quantitative Reasoning B)	4	SOC/C&E SOC 475	3
INTER-LS 210	1	SOC Distribution (upper level)	4
Humanities Breadth	3	Natural Science Breadth	3
Science Breadth	3	Literature Breadth	3
Elective	4	Elective	2
	15		**15**

Third Year

Fall	Credits	Spring	Credits
Declare the major		SOC Distribution (upper level)	4
Humanities Breadth	6	SOC/C&E SOC 365	3-4
SOC Distribution (upper level)	4	CAR Research Elective	4
Additional statistics for CAR option	3	Electives	3
Electives	2		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
SOC Distribution (upper level)	3	SOC/C&E SOC 693	3

CAR option Research Elective	3 Electives	12
Electives	9	
	15	**15**

Total Credits 120

SPANISH AND PORTUGUESE

The Department of Spanish & Portuguese offers an integrated curriculum in introductory and specialized instruction in Spanish and Portuguese languages, literatures, and linguistics for undergraduates to fulfill major, college, and campus requirements as well as for those seeking fluency and a solid language preparation for other opportunities. The objectives and goals of the undergraduate majors include the skills of advanced proficiency in oral communication and written expression, an understanding of Hispanic and Luso-Brazilian cultures, general familiarity with aspects of Hispanic and Luso-Brazilian literatures, and an understanding of aspects of Ibero-Romance linguistics.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Business Spanish, Certificate (p. 1338)
- Portuguese, BA (p. 1339)
- Portuguese, BS (p. 1342)
- Spanish Studies for Business Students, Certificate (p. 1345)
- Spanish, BA (p. 1347)
- Spanish, BS (p. 1350)

BUSINESS SPANISH, CERTIFICATE

Spanish is the official or co-official language of 21 countries, and with more than 400 million speakers worldwide (projected to be 530 million by 2050), it is the third most widely spoken language on the planet after Mandarin and English. In 25 years, the United States could have more Spanish speakers than any other country.

This certificate combines classes in Spanish, cultures of Spanish-speaking populations, and specialized Spanish for business professions. This combination is a good fit for any student who wants the ability to communicate effectively in both written and spoken Spanish and work with other Spanish speakers in their future professional careers.

HOW TO GET IN

HOW TO GET IN

Students may declare the Certificate in Business Spanish after completing one of the introductory Spanish courses and SPANISH 311 Advanced Language Practice. Students declared in the Spanish major are not eligible to declare the Certificate in Business Spanish.

Code	Title	Credits
Introductory Spanish		
SPANISH/ CHICLA 222	Introduction to Latinx Cultures	3
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	3
SPANISH 224	Introduction to Hispanic Literatures	3
SPANISH 223	Introduction to Hispanic Cultures	3
Advanced Language Practice		
SPANISH 311	Advanced Language Practice	3

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Introductory Coursework (complete one)		**3**
SPANISH/ CHICLA 222	Introduction to Latinx Cultures [1]	
SPANISH 223	Introduction to Hispanic Cultures [1]	
SPANISH 224	Introduction to Hispanic Literatures	
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	
Core Coursework (complete all)		
SPANISH 311	Advanced Language Practice	3
SPANISH/ INTL BUS 329	Spanish for Business	3
SPANISH 359	Spanish Business Area Studies	3
Elective Coursework		**6**
6 additional credits from the following:		
SPANISH coursework numbered between 300-699		
SPANISH/ CHICLA 222	Introduction to Latinx Cultures [1]	
or SPANISH 223	Introduction to Hispanic Cultures	
SPANISH 224	Introduction to Hispanic Literatures	
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	
Total Credits		**18**

RESIDENCE AND QUALITY OF WORK

- At least 9 certificate credits must be completed in residence
- At least 6 certificate credits must be complete on campus
- Minimum 2.000 GPA on all certificate courses.

FOOTNOTES

[1] Only one of SPANISH/CHICLA 222 or SPANISH 223 will count in the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop communication skills in Spanish; integrate these skills to exchange and assess ideas effectively and with level-appropriate accuracy; and practice pragmatic, linguistic, and stylistic norms in a formal, professional register of standard Spanish in a variety of written and oral assignments.
2. Acquire specialized vocabulary related to business and commerce; analyze authentic informational, financial, and marketing materials in Spanish; and incorporate the newly-acquired vocabulary and business-related knowledge into their speech and writing.
3. Demonstrate knowledge of Hispanic cultures, including awareness of the social, cultural, and linguistic diversity that characterizes the Spanish-speaking world, as well as familiarity with basic methods of literary, cultural, and/or linguistic analysis.

ADVISING AND CAREERS

ADVISING AND CAREERS

Please contact the undergraduate advisor, Karen Francis (karen.francis@wisc.edu), with your questions and to declare this certificate.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

PORTUGUESE, BA

There are many reasons to learn Portuguese:

- Close to 250 million people speak Portuguese. Brazil alone has a population of 205 million.
- Portuguese is the sixth-most widely spoken language in the world, before German (10th), French (11th) and Italian (15th).
- Portuguese is spoken in 11 countries on four continents. Portuguese is the official language of Portugal, Brazil, Angola, Cape Verde, Guinea-Bissau, Mozambique, São Tomé and Príncipe, East Timor, and is also widely spoken in Equatorial Guinea, Macau (China), and Goa (India).
- Portuguese is a working or official language of important international organizations, such as the African Union, the Community of Portuguese Language Countries, the European Union, Mercosul, the Organization of American States, and the Organization of Ibero-American States.
- An estimated 1.3 million native Portuguese speakers live in the United States.
- To study Portuguese is an asset in today's global economy. For example, Brazil's economy is among the largest in the world.
- The Portuguese novelist José Saramago won the 1998 Nobel Prize for Literature. The music, festivities, culture, and art of the Portuguese-speaking countries are appreciated all over the world.
- Portuguese shares some grammar rules, sentence structure, and similar vocabulary words with other Romance languages. If you already speak French, Spanish or Italian, Portuguese is an easy and fun language to learn.
- Last but not least, Brazil is the only country that has won the FIFA World Soccer Cup five times.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	
	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the

requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

25 credits from PORTUG 202-699, to include:

Code	Title	Credits
Portuguese Literature		
PORTUG 221	Introduction to Luso-Brazilian Literatures	4
And complete one of the following:		3
PORTUG 411	Survey of Portuguese Literature before 1825	
PORTUG/ GEN&WS 450	Brazillian Women Writers	
PORTUG/ AFRICAN 451	Lusophone African Literature	
PORTUG 467	Survey of Portuguese Literature since 1825	
PORTUG 468	Survey of Brazilian Literature since 1890	
Portuguese Culture/Civilization (complete one):		**3**
PORTUG 361	Portuguese Civilization	
PORTUG 362	Brazilian Civilization	
PORTUG/ GEN&WS 460	Carmen Miranda	
PORTUG 642	Topics in Luso-Brazilian Culture	
Composition and Conversation (complete two):		**6**
PORTUG 225	Third Year Conversation and Composition	
PORTUG 226	Third Year Conversation and Composition	
PORTUG 311	Fourth Year Composition and Conversation	
PORTUG 312	Fourth Year Composition and Conversation	
Elective Courses from PORTUG 202-699 [1]		**9**
Total Credits		**25**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in PORTUG and all major courses
- 2.000 GPA on 15 upper-level major credits in residence[2]
- 15 credits in PORTUG, taken at UW–Madison

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Portuguese undergraduate advisor.

HONORS IN THE PORTUGUESE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn 3.500 GPA for all PORTUG courses at or above PORTUG 302, and any course that counts for the major
- Complete at least 16 credits, taken for Honors, with individual grades of B or better, to include:
  - 10 credits from PORTUG 202 to 680, excluding PORTUG 301
  - A two-semester Senior Honors Thesis in PORTUG 681 and PORTUG 682, for a total of 6 credits.

FOOTNOTES

[1] May not include PORTUG 301 which is the equivalent of PORTUG 101 and PORTUG 102.

[2] PORTUG courses with the Advanced level designation are considered upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop communication skills in Portuguese and integrate these skills to exchange and assess ideas effectively and with level-appropriate accuracy in written and spoken Portuguese.
2. Demonstrate understanding of linguistic, pragmatic, sociolinguistic, and stylistic features of written and spoken Portuguese, understand how they influence meaning, and apply these features in level-appropriate ways in writing and speech.
3. Demonstrate knowledge of Lusophone cultures across historical epochs, including awareness of the social, cultural, and linguistic diversity that characterizes the Portuguese-speaking world.
4. Demonstrate familiarity with and apply basic methods of literary and/or linguistic analysis, which for literary analysis includes interpretation of written texts and other forms of artistic/cultural creation, both in and of themselves and in the context of the particular social, cultural, and historical milieus in which they were created.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
PORTUG 101	4	PORTUG 102	4
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	Biological Science Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	2	Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
PORTUG 201	4	PORTUG 202	4
First Semester of Another Romance Language	4	Second Semester of Another Romance Language	4
Communication B (LITTRANS 226, a Communication-B course, often meets with PORTUG 221.)	3-4	Physical Science Breadth	3
Elective	3	Social Science Breadth	3
INTER-LS 210	1		
	15		**14**

Third Year

Fall	Credits	Spring	Credits
PORTUG 225	3	PORTUG 226	3
Quantatative Reasoning B / Intermediate/ Advanced COMP SCI/ MATH/STAT (if needed for BS)	3	PORTUG 221	4

Social Science Breadth	3	Intermediate/Advanced COMP SCI/MATH/STAT (if needed for BS)	3
Electives	6	Electives	6
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
Portuguese Culture/ Civilization	3	Additional Portuguese Literature	3
Portuguese Elective	3	Portuguese Elective	3
Science Breadth	3	Science Breadth	3
Electives	6	Electives	5
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Spanish & Portuguese website (https://spanport.wisc.edu/undergrad-advising/).

ADVISING

Karen Francis (karen.francis@wisc.edu)

CAREERS

International Directions Advisor
languages.wisc.edu/make-an-appointment (http://languages.wisc.edu/make-an-appointment/)

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

PORTUGUESE, BS

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- Portuguese is the sixth-most widely spoken language in the world, before German (10th), French (11th) and Italian (15th).
- Portuguese is spoken in 11 countries on four continents. Portuguese is the official language of Portugal, Brazil, Angola, Cape Verde, Guinea-Bissau, Mozambique, São Tomé and Príncipe, East Timor, and is also widely spoken in Equatorial Guinea, Macau (China), and Goa (India).
- Portuguese is a working or official language of important international organizations, such as the African Union, the Community of Portuguese Language Countries, the European Union, Mercosul, the Organization of American States, and the Organization of Ibero-American States.
- An estimated 1.3 million native Portuguese speakers live in the United States.
- To study Portuguese is an asset in today's global economy. For example, Brazil's economy is among the largest in the world.
- The Portuguese novelist José Saramago won the 1998 Nobel Prize for Literature. The music, festivities, culture, and art of the Portuguese-speaking countries are appreciated all over the world.
- Portuguese shares some grammar rules, sentence structure, and similar vocabulary words with other Romance languages. If you already speak French, Spanish or Italian, Portuguese is an easy and fun language to learn.
- Last but not least, Brazil is the only country that has won the FIFA World Soccer Cup five times.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the

requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

25 credits from PORTUG 202-699, to include:

Code	Title	Credits
Portuguese Literature		
PORTUG 221	Introduction to Luso-Brazilian Literatures	4
And complete one of the following:		3
PORTUG 411	Survey of Portuguese Literature before 1825	
PORTUG/ GEN&WS 450	Brazillian Women Writers	
PORTUG/ AFRICAN 451	Lusophone African Literature	
PORTUG 467	Survey of Portuguese Literature since 1825	
PORTUG 468	Survey of Brazilian Literature since 1890	
Portuguese Culture/Civilization (complete one):		**3**
PORTUG 361	Portuguese Civilization	
PORTUG 362	Brazilian Civilization	
PORTUG/ GEN&WS 460	Carmen Miranda	
PORTUG 642	Topics in Luso-Brazilian Culture	
Composition and Conversation (complete two):		**6**
PORTUG 225	Third Year Conversation and Composition	
PORTUG 226	Third Year Conversation and Composition	
PORTUG 311	Fourth Year Composition and Conversation	
PORTUG 312	Fourth Year Composition and Conversation	
Elective Courses from PORTUG 202-699 [1]		**9**
Total Credits		**25**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in PORTUG and all major courses
- 2.000 GPA on 15 upper-level major credits in residence[2]
- 15 credits in PORTUG, taken at UW–Madison

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Portuguese undergraduate advisor.

HONORS IN THE PORTUGUESE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn 3.500 GPA for all PORTUG courses at or above PORTUG 302, and any course that counts for the major
- Complete at least 16 credits, taken for Honors, with individual grades of B or better, to include:
  - 10 credits from PORTUG 202 to 680, excluding PORTUG 301
  - A two-semester Senior Honors Thesis in PORTUG 681 and PORTUG 682, for a total of 6 credits.

FOOTNOTES

[1] May not include PORTUG 301 which is the equivalent of PORTUG 101 and PORTUG 102.

[2] PORTUG courses with the Advanced level designation are considered upper-level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop communication skills in Portuguese and integrate these skills to exchange and assess ideas effectively and with level-appropriate accuracy in written and spoken Portuguese.
2. Demonstrate understanding of linguistic, pragmatic, sociolinguistic, and stylistic features of written and spoken Portuguese, understand how they influence meaning, and apply these features in level-appropriate ways in writing and speech.
3. Demonstrate knowledge of Lusophone cultures across historical epochs, including awareness of the social, cultural, and linguistic diversity that characterizes the Portuguese-speaking world.
4. Demonstrate familiarity with and apply basic methods of literary and/or linguistic analysis, which for literary analysis includes interpretation of written texts and other forms of artistic/cultural creation, both in and of themselves and in the context of the particular social, cultural, and historical milieus in which they were created.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
PORTUG 101	4	PORTUG 102	4
Communication A	3	Ethnic Studies	3
Quantitative Reasoning A	3	Biological Science Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	2	Elective	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
PORTUG 201	4	PORTUG 202	4
First Semester of Another Romance Language	4	Second Semester of Another Romance Language	4
Communication B (LITTRANS 226, a Communication-B course, often meets with PORTUG 221.)	3-4	Physical Science Breadth	3
Elective	3	Social Science Breadth	3
INTER-LS 210	1		
	15		**14**

Third Year

Fall	Credits	Spring	Credits
PORTUG 225	3	PORTUG 226	3
Quantatative Reasoning B / Intermediate/ Advanced COMP SCI/ MATH/STAT (if needed for BS)	3	PORTUG 221	4

Social Science Breadth	3	Intermediate/Advanced COMP SCI/MATH/STAT (if needed for BS)	3
Electives	6	Electives	6
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
Portuguese Culture/ Civilization	3	Additional Portuguese Literature	3
Portuguese Elective	3	Portuguese Elective	3
Science Breadth	3	Science Breadth	3
Electives	6	Electives	5
	15		**14**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Spanish & Portuguese website (https://spanport.wisc.edu/undergrad-advising/).

ADVISING

Karen Francis (karen.francis@wisc.edu)

CAREERS

International Directions Advisor
languages.wisc.edu/make-an-appointment (http://languages.wisc.edu/make-an-appointment/)

SUCCESSWORKS

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Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SPANISH STUDIES FOR BUSINESS STUDENTS, CERTIFICATE

Admissions to the Spanish Studies for Business Students Certificate have been suspended as of fall 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

Please see the Business Spanish Certificate (p. 1338) instead.

Spanish is the official or co-official language of 21 countries, and with more than 400 million speakers worldwide (projected to be 530 million by 2050), it is the third most widely spoken language on the planet after Mandarin and English. In 25 years, the United States could have more Spanish speakers than any other country.

This certificate combines classes in Spanish, cultures of Spanish-speaking populations, and specialized Spanish for business professions. This combination is a good fit for any student who wants the ability to communicate effectively in both written and spoken Spanish and work with other Spanish speakers in their future professional careers.

HOW TO GET IN

HOW TO GET IN

Admissions to the Spanish Studies for Business Students Certificate have been suspended as of fall 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

Students must earn admission to the School of Business to be eligible for the Certificate in Spanish Studies for Business Students. The certificate can be declared in consultation with the Spanish undergraduate advisor.

Students declared in the Certificate in Spanish Studies for Business Students are not eligible to declare the Spanish major.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
SPANISH/ INTL BUS 329	Spanish for Business	3
SPANISH 359	Spanish Business Area Studies	3
Complete one course from the following:		3
SPANISH 361	Spanish Civilization	
SPANISH 363	Spanish American Civilization	
SPANISH/ CHICLA 364	Survey of Latinx/e Popular Culture	
SPANISH/ ENVIR ST 445	Culture and the Environment in the Luso-Hispanic World	
SPANISH 455	Contemporary Mayas: A Culture of Nature	
SPANISH 468	Topics in Hispanic Culture	

SPANISH/ CHICLA 469	Topics in Latinx Culture	
SPANISH 472	Hispanic Screen Studies	
SPANISH 476	Study Abroad in Hispanic Cultures	
SPANISH 477	Latin American Rock Cultures	
SPANISH/ CHICLA 478	Border and Race Studies in Latin America	
SPANISH 480	Topics in Latin American Performance/Visual Studies	
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire	
Select additional credits from SPANISH 300-499		6
Total Credits		**15**

SPANISH COURSES 300–499

Code	Title	Credits
SPANISH 311	Advanced Language Practice	3
SPANISH 319	Topics in Spanish Language Practice	1-3
SPANISH 320	Spanish Phonetics	3
SPANISH 321	The Structure of Modern Spanish	3
SPANISH 322	Survey of Early Hispanic Literature	3
SPANISH 324	Survey of Modern Spanish Literature	3
SPANISH 325	Advanced Conversation	3
SPANISH 326	Survey of Spanish American Literature	3
SPANISH 327	Introduction to Spanish Linguistics	3
SPANISH 331	Spanish Applied Linguistics	3
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)	3
SPANISH/ FRENCH/ITALIAN/ PORTUG 429	Introduction to the Romance Languages	3
SPANISH 435	Cervantes	3
SPANISH 446	Topics in Spanish Linguistics	3
SPANISH 451	Literature of the Eighteenth and Nineteenth Centuries	3
SPANISH 453	Literature of the Twentieth Century	3
SPANISH 460	Spanish American Literature	3
SPANISH 461	The Spanish American Short Story	3
SPANISH 464	Spanish American Poetry and Essay	3
SPANISH/ CHICLA 467	US Latino Literature	3
SPANISH 468	Topics in Hispanic Culture	3
SPANISH/ CHICLA 469	Topics in Latinx Culture	3
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics	3
SPANISH 472	Hispanic Screen Studies	3
SPANISH 473	Study Abroad in Spanish Language Practice	1-4
SPANISH 474	Study Abroad in Spanish Linguistics	1-4
SPANISH 475	Study Abroad in Hispanic Literatures	1-4
SPANISH 476	Study Abroad in Hispanic Cultures	1-4

RESIDENCE AND QUALITY OF WORK

- Minimum 3.000 GPA in all Certificate courses
- 8 SPANISH credits in residence
- 6 SPANISH credits, taken at UW–Madison

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop communication skills in Spanish; integrate these skills to exchange and assess ideas effectively and with level-appropriate accuracy; and practice pragmatic, linguistic and stylistic norms in a formal, professional register of standard Spanish in a variety of written and oral assignments.
2. Acquire specialized vocabulary related to business and commerce; analyze authentic informational, financial and marketing materials in Spanish; and incorporate the newly-acquired vocabulary and business-related knowledge into their speech and writing.
3. Demonstrate knowledge of Hispanic cultures, including awareness of the social, cultural, and linguistic diversity that characterizes the Spanish-speaking world, as well as familiarity with basic methods of literary, cultural and/or linguistic analysis.

ADVISING AND CAREERS

ADVISING AND CAREERS

Please contact the undergraduate advisor, Karen Francis (karen.francis@wisc.edu), with your questions.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)

- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

SPANISH, BA

Did you know that by 2050 the United States could have more Spanish speakers than any other country (http://qz.com/441174/by-2050-united-states-will-have-more-spanish-speakers-than-any-other-country/)?

Spanish continues to gain ground as a widely spoken, national and international language, making the ability to communicate effectively in both written and spoken Spanish an invaluable intellectual, social, cultural, and professional resource. Spanish is the official or co-official language of 21 countries, and with more than 400 million speakers worldwide (projected increase to about 530 million by 2050), it is the third most widely spoken language on the planet after Mandarin and English.

These just a few of the many career paths for which proficiency in spoken and written Spanish can be a valuable asset:

- Bilingual and second language education
- Medical, legal, and business professions
- Journalism
- Travel industry
- Translation
- Interpretation
- Nongovernmental/nonprofit work
- Library science
- Foreign service

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Spanish major are not eligible to declare the Certificate in Spanish Studies for Business Students.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Introductory Culture (complete one):		**3**
SPANISH 223	Introduction to Hispanic Cultures	
SPANISH/ CHICLA 222	Introduction to Latinx Cultures	
Introductory Literature		**3**
SPANISH 224	Introduction to Hispanic Literatures	
Introductory Linguistics:		**3**
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	
Advanced Language Practice:		**3**
SPANISH 311	Advanced Language Practice	
Survey Literature (complete one):		**3**
SPANISH 322	Survey of Early Hispanic Literature	
SPANISH 324	Survey of Modern Spanish Literature	
SPANISH 326	Survey of Spanish American Literature	
Linguistics (complete one):		**3**
SPANISH 320	Spanish Phonetics	
SPANISH 321	The Structure of Modern Spanish	
SPANISH 327	Introduction to Spanish Linguistics	
SPANISH 331	Spanish Applied Linguistics	
SPANISH 420	Advanced Spanish Phonetics	
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages	
SPANISH 430	Spanish in the United States	
SPANISH 446	Topics in Spanish Linguistics	
SPANISH 474	Study Abroad in Spanish Linguistics	
Culture (complete one):		**3**
SPANISH 361	Spanish Civilization	
SPANISH 363	Spanish American Civilization	
SPANISH/ CHICLA 364	Survey of Latinx/e Popular Culture	
SPANISH/ ENVIR ST 445	Culture and the Environment in the Luso-Hispanic World	
SPANISH 455	Contemporary Mayas: A Culture of Nature	
SPANISH 468	Topics in Hispanic Culture	
SPANISH/ CHICLA 469	Topics in Latinx Culture	
SPANISH 472	Hispanic Screen Studies	
SPANISH 476	Study Abroad in Hispanic Cultures	
SPANISH 477	Latin American Rock Cultures	
SPANISH/ CHICLA 478	Border and Race Studies in Latin America	
SPANISH 480	Topics in Latin American Performance/Visual Studies	
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire	
Targeted Language Skills (complete one):		**3**
SPANISH 317	Spanish for Nursing	
SPANISH 318	Spanish for Pharmacy	
SPANISH 319	Topics in Spanish Language Practice	
SPANISH 325	Advanced Conversation	
SPANISH 328	Advanced Medical Spanish	
SPANISH/ INTL BUS 329	Spanish for Business	
SPANISH 359	Spanish Business Area Studies	
SPANISH 473	Study Abroad in Spanish Language Practice	
Student Option		**3**
Complete one of the following:		
3 additional SPANISH credits numbered 300 or above		
LITTRANS 245	Topics in Spanish American Literature in Translation	
PORTUG 301	Intensive Portuguese	
Spanish Electives:		**9**
9 additional SPANISH credits numbered 400 or above		
Total Credits		**36**

FACULTY ENGAGEMENT

At least 6 credits of SPANISH numbered 400 or above must be taken while physically on the UW-Madison campus.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in SPANISH and all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, taken in residence[1]
- 15 credits in SPANISH, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Spanish undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all SPANISH courses numbered 300 and higher
- Complete the following coursework, taken for Honors, with individual grades of B or better:
  - 6 credits, SPANISH 327 to SPANISH 680
  - 3 credits, SPANISH 300 to SPANISH 680
  - A two-semester Senior Honors Thesis in SPANISH 681 and SPANISH 682 for at least 6 credits.[2]

FOOTNOTES

1 Courses numbered above SPANISH 311 Advanced Language Practice are considered upper-level in the major.

2 In certain circumstances (particularly when the student is an Honors candidate in two or more departments), 6 credits in literature, linguistics, or cultural studies in courses numbered 500-680 may be substituted for the Honors Thesis, upon recommendation by the Spanish undergraduate advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop communication skills in Spanish and integrate these skills to exchange and assess ideas effectively and with level-appropriate accuracy in written and spoken Spanish.
2. Demonstrate understanding of linguistic, pragmatic, sociolinguistic, and stylistic features of written and spoken Spanish, understand how they influence meaning, and apply these features in level-appropriate ways in writing and speech.
3. Demonstrate knowledge of Hispanic cultures across historical epochs, including awareness of the social, cultural, and linguistic diversity that characterizes the Spanish-speaking world.
4. Demonstrate familiarity with and apply basic methods of literary and/or linguistic analysis, which for literary analysis includes interpretation of written texts and other forms of artistic/cultural creation, both in and of themselves and in the context of the particular social, cultural, and historical milieus in which they were created.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

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First Year

Fall	Credits	Spring	Credits
SPANISH 203	4	SPANISH 204	4
Communication A	3	Quantatative Reasoning A or Intermediate/ Advanced COMP SCI/ MATH/STAT (if BS)	3
Social Science Breadth	3	Science Breadth	3
Electives	5	Electives	5
	15		**15**

Second Year

Fall	Credits	Spring	Credits
SPANISH 226	3	SPANISH 223	3
SPANISH 225	3	SPANISH 224	3
Communication B (Do not take in same semester as SPANISH 311.)	3	Ethnic Studies	3
Physical Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
SPANISH 311 (Do not take in same semester as Communication B.)	3	Spanish Survey Literature course	3
Spanish Targeted Language Skills course	3	Advanced Spanish Culture course	3
Quantatative Reasoning B or Intermediate/ Advanced COMP SCI/ MATH/STAT (if BS)	3	Biological Science Breadth	3
Social Science Breadth	3	Electives	6
Elective	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Spanish Linguistics course	3	400 level Spanish Elective	3
400 level Spanish Elective	3	400 level Spanish Elective	3
Science Breadth	3	Social Science Breadth	3
Electives	6	Electives	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Spanish & Portuguese website (https://spanport.wisc.edu/undergrad-advising/).

ADVISING

Karen Francis (karen.francis@wisc.edu)

CAREERS

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SPANISH, BS

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These just a few of the many career paths for which proficiency in spoken and written Spanish can be a valuable asset:

- Bilingual and second language education
- Medical, legal, and business professions
- Journalism
- Travel industry
- Translation
- Interpretation
- Nongovernmental/nonprofit work
- Library science
- Foreign service

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are eligible to declare. For information on how to declare, visit Advising & Careers.
Courses required to get in	None
GPA requirements to get in	None
Credits required to get in	None
Other	None

Students declared in the Spanish major are not eligible to declare the Certificate in Spanish Studies for Business Students.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

Code	Title	Credits
Introductory Culture (complete one):		**3**
SPANISH 223	Introduction to Hispanic Cultures	
SPANISH/ CHICLA 222	Introduction to Latinx Cultures	
Introductory Literature		**3**
SPANISH 224	Introduction to Hispanic Literatures	
Introductory Linguistics:		**3**
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	
Advanced Language Practice:		**3**
SPANISH 311	Advanced Language Practice	
Survey Literature (complete one):		**3**
SPANISH 322	Survey of Early Hispanic Literature	
SPANISH 324	Survey of Modern Spanish Literature	
SPANISH 326	Survey of Spanish American Literature	
Linguistics (complete one):		**3**
SPANISH 320	Spanish Phonetics	
SPANISH 321	The Structure of Modern Spanish	
SPANISH 327	Introduction to Spanish Linguistics	
SPANISH 331	Spanish Applied Linguistics	
SPANISH 420	Advanced Spanish Phonetics	
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages	
SPANISH 430	Spanish in the United States	
SPANISH 446	Topics in Spanish Linguistics	

SPANISH 474	Study Abroad in Spanish Linguistics	
Culture (complete one):		**3**
SPANISH 361	Spanish Civilization	
SPANISH 363	Spanish American Civilization	
SPANISH/ CHICLA 364	Survey of Latinx/e Popular Culture	
SPANISH/ ENVIR ST 445	Culture and the Environment in the Luso-Hispanic World	
SPANISH 455	Contemporary Mayas: A Culture of Nature	
SPANISH 468	Topics in Hispanic Culture	
SPANISH/ CHICLA 469	Topics in Latinx Culture	
SPANISH 472	Hispanic Screen Studies	
SPANISH 476	Study Abroad in Hispanic Cultures	
SPANISH 477	Latin American Rock Cultures	
SPANISH/ CHICLA 478	Border and Race Studies in Latin America	
SPANISH 480	Topics in Latin American Performance/Visual Studies	
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire	
Targeted Language Skills (complete one):		**3**
SPANISH 317	Spanish for Nursing	
SPANISH 318	Spanish for Pharmacy	
SPANISH 319	Topics in Spanish Language Practice	
SPANISH 325	Advanced Conversation	
SPANISH 328	Advanced Medical Spanish	
SPANISH/ INTL BUS 329	Spanish for Business	
SPANISH 359	Spanish Business Area Studies	
SPANISH 473	Study Abroad in Spanish Language Practice	
Student Option		**3**
Complete one of the following:		
3 additional SPANISH credits numbered 300 or above		
LITTRANS 245	Topics in Spanish American Literature in Translation	
PORTUG 301	Intensive Portuguese	
Spanish Electives:		**9**
9 additional SPANISH credits numbered 400 or above		
Total Credits		**36**

FACULTY ENGAGEMENT

At least 6 credits of SPANISH numbered 400 or above must be taken while physically on the UW-Madison campus.

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in SPANISH and all major courses
- 2.000 GPA on at least 15 credits of upper-level work in the major, taken in residence[1]
- 15 credits in SPANISH, taken on the UW–Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Spanish undergraduate advisor.

HONORS IN THE MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all SPANISH courses numbered 300 and higher
- Complete the following coursework, taken for Honors, with individual grades of B or better:
  - 6 credits, SPANISH 327 to SPANISH 680
  - 3 credits, SPANISH 300 to SPANISH 680
  - A two-semester Senior Honors Thesis in SPANISH 681 and SPANISH 682 for at least 6 credits.[2]

FOOTNOTES

1 Courses numbered above SPANISH 311 Advanced Language Practice are considered upper-level in the major.

2 In certain circumstances (particularly when the student is an Honors candidate in two or more departments), 6 credits in literature, linguistics, or cultural studies in courses numbered 500-680 may be substituted for the Honors Thesis, upon recommendation by the Spanish undergraduate advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop communication skills in Spanish and integrate these skills to exchange and assess ideas effectively and with level-appropriate accuracy in written and spoken Spanish.
2. Demonstrate understanding of linguistic, pragmatic, sociolinguistic, and stylistic features of written and spoken Spanish, understand how

they influence meaning, and apply these features in level-appropriate ways in writing and speech.

3. Demonstrate knowledge of Hispanic cultures across historical epochs, including awareness of the social, cultural, and linguistic diversity that characterizes the Spanish-speaking world.
4. Demonstrate familiarity with and apply basic methods of literary and/or linguistic analysis, which for literary analysis includes interpretation of written texts and other forms of artistic/cultural creation, both in and of themselves and in the context of the particular social, cultural, and historical milieus in which they were created.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
SPANISH 203	4	SPANISH 204	4
Communication A	3	Quantatative Reasoning A or Intermediate/ Advanced COMP SCI/ MATH/STAT (if BS)	3
Social Science Breadth	3	Science Breadth	3
Electives	5	Electives	5
	15		**15**

Second Year

Fall	Credits	Spring	Credits
SPANISH 226	3	SPANISH 223	3
SPANISH 225	3	SPANISH 224	3
Communication B (Do not take in same semester as SPANISH 311.)	3	Ethnic Studies	3
Physical Science Breadth	3	Social Science Breadth	3
Elective	3	Elective	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
SPANISH 311 (Do not take in same semester as Communication B.)	3	Spanish Survey Literature course	3
Spanish Targeted Language Skills course	3	Advanced Spanish Culture course	3
Quantatative Reasoning B or Intermediate/ Advanced COMP SCI/ MATH/STAT (if BS)	3	Biological Science Breadth	3
Social Science Breadth	3	Electives	6
Elective	3		
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
Advanced Spanish Linguistics course	3	400 level Spanish Elective	3
400 level Spanish Elective	3	400 level Spanish Elective	3
Science Breadth	3	Social Science Breadth	3
Electives	6	Electives	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

DECLARE OR CANCEL THIS MAJOR

Please follow the process described on the Spanish & Portuguese website (https://spanport.wisc.edu/undergrad-advising/).

ADVISING

Karen Francis (karen.francis@wisc.edu)

CAREERS

International Directions Advisor

languages.wisc.edu/make-an-appointment (http://languages.wisc.edu/make-an-appointment/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

STATISTICS

Modern statistics is an exciting subject that affects most aspects of modern living. It has been developed to deal rationally and objectively with the uncertainty that accompanies variation in phenomena as highly complex as the interplay of the many factors that affect our environment. It derives vitality in coping with practical problems arising in all fields of scientific activity, including the social, business, biological, agricultural, medical, natural, and engineering sciences. Investigators' efforts to learn about a specific phenomenon, be it the response of a patient to a certain medical treatment or the effectiveness of a particular instructional program on a student's learning, are impacted by the presence of natural variation. The field of statistics is concerned with valid and efficient ways to learn more about these phenomena in the presence of such variation. It is an inductive science in which information is extracted from sample data in order to draw inferences. This process most often involves planning experiments or designing studies to ensure that valid answers to questions are obtained from the sample.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Data Science, BA (p. 1354)
- Data Science, BS (p. 1359)
- Data Science, Certificate (p. 1364)
- Statistics, BA (p. 1366)
- Statistics, BS (p. 1370)
- Statistics, Certificate (p. 1375)

DATA SCIENCE, BA

Students in the Data Science major will be able to apply computational, mathematical, and statistical thinking to data-rich problems in a wide variety of fields in a responsible and ethical manner. This includes the ability to manage, process, model, gain meaning and knowledge, and present data. Data science is one of the fastest growing career sectors in Wisconsin and across the nation.

By its very nature, the field of data science is one that teaches novel and cutting-edge ways to engage in the "continual sifting and winnowing by which alone the truth can be found."

HOW TO GET IN

HOW TO GET IN

To declare the data science major, students must have:

- Fewer than 86 credits (senior standing)
- Attended a data science major declaration event

Students may declare in their first semester on campus, without an established GPA. However, if courses have been completed at UW-Madison, the following applies:

- At least a 2.000 GPA on coursework that would count in the major
- At least a 2.000 GPA on coursework that would count as upper-level work in the major

or

- At least a 2.000 GPA in these preparatory courses: MATH 96, MATH 112, MATH 113, MATH 114, MATH 171, MATH 211, COMP SCI 200, COMP SCI/E C E 252, COMP SCI 310.

Please see the Data Science major page (https://stat.wisc.edu/undergraduate-data-science-studies/) on the Department of Statistics website for information on how to declare the major and meet with advisors.

Students declared in the Data Science certificate or Statistics Certificate may not declare the Data Science major. Students who wish to declare the Data Science major must first cancel their Data Science and/or Statistics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of

Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.
L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

FOUNDATIONAL MATH COURSES

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
Total Credits		**9**

FOUNDATIONAL DATA SCIENCE COURSES

Code	Title	Credits
STAT 240	Data Science Modeling I	4
STAT 340	Data Science Modeling II	4
COMP SCI 220	Data Science Programming I	4
or COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	4
L I S 461	Data and Algorithms: Ethics and Policy	3-4
or E C E/ I SY E 570	Ethics of Data for Engineers	
Total Credits		**19-20**

ELECTIVES

Students must complete 18 credits of upper-level major electives, including at least one course from each of the the following categories: Linear Algebra, Advanced Computing, Statistical Modeling, and Machine Learning, plus additional electives to reach the minimum credits.

Additional courses taken within Advanced Computing, Statistical Modeling, and Machine Learning may count towards other electives.

Students are only allowed to count one course from each of probability (MATH 331, STAT/MATH 309, STAT 311, or STAT/MATH 431), inference (STAT/MATH 310 or STAT 312), and linear algebra (MATH 320, MATH 340, MATH 341, MATH 345, or MATH 375) towards the major.

Linear Algebra

Code	Title	Credits
Choose one from the following:		3
Only one linear algebra course may count towards the data science major		
MATH 320	Linear Algebra and Differential Equations	
MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 345	Linear Algebra and Optimization	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Total Credits		**3**

Advanced Computing

Code	Title	Credits
Complete at least one from the following:		3
COMP SCI 400	Programming III	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI 544	Introduction to Big Data Systems	
COMP SCI 557	Parallel & Throughput- Optimized Programming	
COMP SCI 564	Database Management Systems: Design and Implementation	
COMP SCI 565	Introduction to Data Visualization	
COMP SCI/ B M I 576	Introduction to Bioinformatics	

GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics
GEOG 574	Geospatial Database Design and Development
MATH 444	Graphs and Networks in Data Science
STAT/ COMP SCI 471	Introduction to Computational Statistics
Total Credits	**3**

Statistical Modeling

Code	Title	Credits
Complete at least one from the following:		3
ACT SCI 657	Risk Analytics	
CIV ENGR 516	Hydrologic Data Analysis	
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
ECON 460	Economic Forecasting	
GEOG 560	Advanced Quantitative Methods	
GEOG 579	GIS and Spatial Analysis	
I SY E 575	Introduction to Quality Engineering	
MATH 531	Probability Theory	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
or STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
or MATH/ STAT 431	Introduction to the Theory of Probability	
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 421	Applied Categorical Data Analysis	
STAT/M E 424	Statistical Experimental Design	
STAT 436	Statistical Data Visualization	
STAT 443	Classification and Regression Trees	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT 575	Statistical Methods for Spatial Data	
Total Credits		**3**

Machine Learning

Code	Title	Credits
Complete at least one from the following:		3
BSE 405	Artificial Intelligence in Agriculture	
CHEM 361	Machine Learning in Chemistry	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks	
COMP SCI 540	Introduction to Artificial Intelligence	
I SY E 521	Machine Learning in Action for Industrial Engineers	
MATH 535	Mathematical Methods in Data Science	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
PHYSICS 361	Machine Learning in Physics	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
Total Credits		**3**

Other electives

Code	Title	Credits
For additional electives, complete up to two courses from the list below or additional courses from the required categories above:		6
ACT SCI 655	Health Analytics	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/ E C E 533	Image Processing	
COMP SCI 541	Theory & Algorithms for Data Science	
COMP SCI 559	Computer Graphics	
COMP SCI/ B M I 567	Biomedical Image Analysis	
COMP SCI 577	Introduction to Algorithms	
E C E 203	Signals, Information, and Computation	
ECON 315	Data Visualization for Economists	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 695	Topics in Economic Data Analysis	
F&W ECOL 395	Data and GIS Tools for Ecology	
F&W ECOL 458	Environmental Data Science	
GEN BUS 317	Mathematical Foundations of Business Analytics	
GEOG 378	Introduction to Geocomputing	
GEOG 572	Graphic Design in Cartography	
GEOG 575	Interactive Cartography & Geovisualization	
INFO SYS 423	Digital Platform Analytics	
I SY E 323	Operations Research-Deterministic Modeling	
I SY E 412	Fundamentals of Industrial Data Analytics	

I SY E/M E 512	Inspection, Quality Control and Reliability
I SY E 612	Information Sensing and Analysis for Manufacturing Processes
L I S 407	Data Storytelling with Visualization
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science
L I S 464	Applied Database Design
L I S 501	Introduction to Text Mining
LSC 460	Social Media Analytics
LSC 660	Data Analysis in Communications Research
MATH 331	Introductory Probability
SOC 351	Introduction to Survey Methods for Social Research
SOC/ C&E SOC 618	Social Network Analysis
SOC/ C&E SOC 693	Practicum in Analysis and Research
SOIL SCI 585	Using R for Soil and Environmental Sciences
STAT 405	Data Science Computing Project
STAT 433	Data Science with R
Total Credits	**6**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA in all upper level work in the major[1]
- 15 credits in the major, taken on the UW-Madison campus

FOOTNOTES

[1] Upper-level in the major includes L I S 461 and all courses counting towards the Electives requirement (i.e. Machine Learning, Advanced Computing, Statistical Modeling, Linear Algebra, and Other Electives).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate foundational concepts and tools from mathematics, computer science, and statistics to solve data science problems.
2. Demonstrate competencies with tools and processes necessary for data management and reproducibility.
3. Produce meaning from data employing modeling strategies.
4. Demonstrate critical thinking related to data science concepts and methods.
5. Conduct data science activities aware of and according to policy, privacy, security and ethical considerations.
6. Demonstrate oral, written, and visual communication skills related to data science.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
COMP SCI 220	4	COMP SCI 320	4
Communication A	3	MATH 221	5
Biological Science Breadth	3	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
MATH 222	4	STAT 340	4
STAT 240	4	Linear Algebra course	3
Literature Breadth	3	Humanities Breadth	3
Physical Science Breadth	3	Literature Breadth	3
INTER-LS 210	1	Social Science Breadth	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
Advanced Computing course	3	Statistical Modeling course	3
Biological Science Breadth	3	Physical Science Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	6	Electives	6
	15		**15**

Senior

Fall	Credits	Spring	Credits
L I S 461 (Meets Humanities breadth; 4-credit Communication B section optional)	3-4	Data Science elective	3
Machine Learning course	3	Data Science elective	3
Social Science Breadth	3	Electives	7
Electives	6		
	15		**14**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it —along with their DARS report, the Degree Planner, and Course Search & Enroll tools — to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. Students should ideally be entering the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- MATH 221 Calculus and Analytic Geometry 1
- MATH 222 Calculus and Analytic Geometry 2
- 3-4 units of foreign language

First Year

Fall	Credits	Spring	Credits
STAT 240	4	STAT 340	4
COMP SCI 220	4	COMP SCI 320	4
Communications A complete during first year	3	Ethnics Studies complete within first 60 credits	3
Social Science Breadth	3	Humanities Breadth	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
Linear Algebra Course	3	Advanced computing course	3
Statistical Modeling course	3-4	Data Science elective	3
Biological Science Breadth	3	Literature Breadth	3
Social Science Breadth	3	Physical Science Breadth	3
Elective	3-4	INTER-LS 210	1
		Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
L I S 461 (Meets Humanities breadth; 4-credit Communication B section optional)	3-4	Data Science Elective	3
Machine Learning course	3	Literature Breath	3
Science Breadth	3	Science Breadth	3
Social Science Breadth	6	Electives	6
	16		**15**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

Information on group declaration sessions, individual advising appointments, drop-in advising, and contact information for advisors is available on our website (https://stat.wisc.edu/undergraduate-data-science-studies/).

WHAT DO DATA SCIENTISTS DO?

Data scientists are trained to manage, process, model, gain meaning and knowledge, and present data. These skills can be employed in a wide variety of different sectors of employment. Examples of interests of our students include finance, banking, sports analytics, marketing, retail, humanities, psychology, biosciences, healthcare, and consulting, just to name a few. Students are encouraged to combine Data Science with majors, certificates, and courses from differing areas to best be able to apply their data science in the area of their choosing.

Data science is one of the fastest-growing areas of jobs in the United States and in Wisconsin. The Occupational Outlook Handbook (OOH) from the Bureau of Labor Statistics (https://www.bls.gov/ooh/math/data-scientists.htm) shows the job growth outlook from 2023-33 for Data Scientists to be 36% (much faster than average).

Some students may want to continue to develop additional advanced data science skills through graduate education.

DEPARTMENTAL RESOURCES

- Data Science Skills Sheet (https://drive.google.com/file/d/1Srak_e7Arr4XA9WBZ0xiOTPZnIUxPfsE/view/), aka What you can do with your Data Science major
- Career Pathways for Statistics and Data Science Canvas Course (https://canvas.wisc.edu/enroll/3JWLRW/)

- Department of Statistics Student Career Resources webpage (https://stat.wisc.edu/student-career-resources/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Helpful resources can be found at scholarships (https://financialaid.wisc.edu/types-of-aid/scholarships/) and the Wisconsin Scholarship Hub (https://wisc.academicworks.com/). Additional information specific to Data Science students can be found on our major webpage (https://stat.wisc.edu/undergraduate-data-science-studies/) and opportunities are regularly sent to declared students via our weekly newsletter.

DATA SCIENCE, BS

Students in the Data Science major will be able to apply computational, mathematical, and statistical thinking to data-rich problems in a wide variety of fields in a responsible and ethical manner. This includes the ability to manage, process, model, gain meaning and knowledge, and present data. Data science is one of the fastest growing career sectors in Wisconsin and across the nation.

By its very nature, the field of data science is one that teaches novel and cutting-edge ways to engage in the "continual sifting and winnowing by which alone the truth can be found."

HOW TO GET IN

HOW TO GET IN

To declare the data science major, students must have:

- Fewer than 86 credits (senior standing)
- Attended a data science major declaration event

Students may declare in their first semester on campus, without an established GPA. However, if courses have been completed at UW-Madison, the following applies:

- At least a 2.000 GPA on coursework that would count in the major
- At least a 2.000 GPA on coursework that would count as upper-level work in the major

or

- At least a 2.000 GPA in these preparatory courses: MATH 96, MATH 112, MATH 113, MATH 114, MATH 171, MATH 211, COMP SCI 200, COMP SCI/E C E 252, COMP SCI 310.

Please see the Data Science major page (https://stat.wisc.edu/undergraduate-data-science-studies/) on the Department of Statistics website for information on how to declare the major and meet with advisors.

Students declared in the Data Science certificate or Statistics Certificate may not declare the Data Science major. Students who wish to declare the Data Science major must first cancel their Data Science and/or Statistics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

FOUNDATIONAL MATH COURSES

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
or MATH 217	Calculus with Algebra and Trigonometry II	
MATH 222	Calculus and Analytic Geometry 2	4
Total Credits		**9**

FOUNDATIONAL DATA SCIENCE COURSES

Code	Title	Credits
STAT 240	Data Science Modeling I	4
STAT 340	Data Science Modeling II	4
COMP SCI 220	Data Science Programming I	4
or COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	4
L I S 461	Data and Algorithms: Ethics and Policy	3-4
or E C E/ I SY E 570	Ethics of Data for Engineers	
Total Credits		**19-20**

ELECTIVES

Students must complete 18 credits of upper-level major electives, including at least one course from each of the the following categories: Linear Algebra, Advanced Computing, Statistical Modeling, and Machine Learning, plus additional electives to reach the minimum credits.

Additional courses taken within Advanced Computing, Statistical Modeling, and Machine Learning may count towards other electives.

Students are only allowed to count one course from each of probability (MATH 331, STAT/MATH 309, STAT 311, or STAT/MATH 431), inference (STAT/MATH 310 or STAT 312), and linear algebra (MATH 320, MATH 340, MATH 341, MATH 345, or MATH 375) towards the major.

Linear Algebra

Code	Title	Credits
Choose one from the following:		3
Only one linear algebra course may count towards the data science major		
MATH 320	Linear Algebra and Differential Equations	
MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 345	Linear Algebra and Optimization	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
Total Credits		**3**

Advanced Computing

Code	Title	Credits
Complete at least one from the following:		3
COMP SCI 400	Programming III	
COMP SCI 412	Introduction to Numerical Methods	
COMP SCI/ MATH 513	Numerical Linear Algebra	
COMP SCI/ MATH 514	Numerical Analysis	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI 544	Introduction to Big Data Systems	

COMP SCI 557	Parallel & Throughput- Optimized Programming
COMP SCI 564	Database Management Systems: Design and Implementation
COMP SCI 565	Introduction to Data Visualization
COMP SCI/ B M I 576	Introduction to Bioinformatics
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics
GEOG 574	Geospatial Database Design and Development
MATH 444	Graphs and Networks in Data Science
STAT/ COMP SCI 471	Introduction to Computational Statistics
Total Credits	**3**

Statistical Modeling

Code	Title	Credits
Complete at least one from the following:		3
ACT SCI 657	Risk Analytics	
CIV ENGR 516	Hydrologic Data Analysis	
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
ECON 460	Economic Forecasting	
GEOG 560	Advanced Quantitative Methods	
GEOG 579	GIS and Spatial Analysis	
I SY E 575	Introduction to Quality Engineering	
MATH 531	Probability Theory	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
or STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
or MATH/ STAT 431	Introduction to the Theory of Probability	
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
or STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 421	Applied Categorical Data Analysis	
STAT/M E 424	Statistical Experimental Design	
STAT 436	Statistical Data Visualization	
STAT 443	Classification and Regression Trees	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT 575	Statistical Methods for Spatial Data	
Total Credits		**3**

Machine Learning

Code	Title	Credits
Complete at least one from the following:		3
BSE 405	Artificial Intelligence in Agriculture	
CHEM 361	Machine Learning in Chemistry	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/E C E/ M E 539	Introduction to Artificial Neural Networks	
COMP SCI 540	Introduction to Artificial Intelligence	
I SY E 521	Machine Learning in Action for Industrial Engineers	
MATH 535	Mathematical Methods in Data Science	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
PHYSICS 361	Machine Learning in Physics	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
Total Credits		**3**

Other electives

Code	Title	Credits
For additional electives, complete up to two courses from the list below or additional courses from the required categories above:		6
ACT SCI 655	Health Analytics	
COMP SCI/I SY E/ MATH 425	Introduction to Combinatorial Optimization	
COMP SCI/I SY E/ MATH/STAT 525	Linear Optimization	
COMP SCI/ E C E 533	Image Processing	
COMP SCI 541	Theory & Algorithms for Data Science	
COMP SCI 559	Computer Graphics	
COMP SCI/ B M I 567	Biomedical Image Analysis	
COMP SCI 577	Introduction to Algorithms	
E C E 203	Signals, Information, and Computation	
ECON 315	Data Visualization for Economists	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 695	Topics in Economic Data Analysis	
F&W ECOL 395	Data and GIS Tools for Ecology	
F&W ECOL 458	Environmental Data Science	
GEN BUS 317	Mathematical Foundations of Business Analytics	
GEOG 378	Introduction to Geocomputing	
GEOG 572	Graphic Design in Cartography	

GEOG 575	Interactive Cartography & Geovisualization
INFO SYS 423	Digital Platform Analytics
I SY E 323	Operations Research-Deterministic Modeling
I SY E 412	Fundamentals of Industrial Data Analytics
I SY E/M E 512	Inspection, Quality Control and Reliability
I SY E 612	Information Sensing and Analysis for Manufacturing Processes
L I S 407	Data Storytelling with Visualization
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science
L I S 464	Applied Database Design
L I S 501	Introduction to Text Mining
LSC 460	Social Media Analytics
LSC 660	Data Analysis in Communications Research
MATH 331	Introductory Probability
SOC 351	Introduction to Survey Methods for Social Research
SOC/ C&E SOC 618	Social Network Analysis
SOC/ C&E SOC 693	Practicum in Analysis and Research
SOIL SCI 585	Using R for Soil and Environmental Sciences
STAT 405	Data Science Computing Project
STAT 433	Data Science with R
Total Credits	**6**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA in all upper level work in the major[1]
- 15 credits in the major, taken on the UW-Madison campus

FOOTNOTES

[1] Upper-level in the major includes L I S 461 and all courses counting towards the Electives requirement (i.e. Machine Learning, Advanced Computing, Statistical Modeling, Linear Algebra, and Other Electives).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate foundational concepts and tools from mathematics, computer science, and statistics to solve data science problems.
2. Demonstrate competencies with tools and processes necessary for data management and reproducibility.
3. Produce meaning from data employing modeling strategies.
4. Demonstrate critical thinking related to data science concepts and methods.
5. Conduct data science activities aware of and according to policy, privacy, security and ethical considerations.
6. Demonstrate oral, written, and visual communication skills related to data science.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

Freshman

Fall	Credits	Spring	Credits
COMP SCI 220	4	COMP SCI 320	4
Communication A	3	MATH 221	5
Biological Science Breadth	3	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
MATH 222	4	STAT 340	4
STAT 240	4	Linear Algebra course	3
Literature Breadth	3	Humanities Breadth	3

Physical Science Breadth	3	Literature Breadth	3
INTER-LS 210	1	Social Science Breadth	3
	15		**16**

Junior

Fall	Credits	Spring	Credits
Advanced Computing course	3	Statistical Modeling course	3
Biological Science Breadth	3	Physical Science Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective	6	Electives	6
	15		**15**

Senior

Fall	Credits	Spring	Credits
L I S 461 (Meets Humanities breadth; 4-credit Communication B section optional)	3-4	Data Science elective	3
Machine Learning course	3	Data Science elective	3
Social Science Breadth	3	Electives	7
Electives	6		
	15		**14**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. Students should ideally be entering the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

- MATH 221 Calculus and Analytic Geometry 1
- MATH 222 Calculus and Analytic Geometry 2
- 3-4 units of foreign language

First Year

Fall	Credits	Spring	Credits
STAT 240	4	STAT 340	4
COMP SCI 220	4	COMP SCI 320	4
Communications A complete during first year	3	Ethnics Studies complete within first 60 credits	3
Social Science Breadth	3	Humanities Breadth	3
	14		**14**

Second Year

Fall	Credits	Spring	Credits
Linear Algebra Course	3	Advanced computing course	3
Statistical Modeling course	3-4	Data Science elective	3
Biological Science Breadth	3	Literature Breadth	3
Social Science Breadth	3	Physical Science Breadth	3
Elective	3-4	INTER-LS 210	1
		Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
L I S 461 (Meets Humanities breadth; 4-credit Communication B section optional)	3-4	Data Science Elective	3
Machine Learning course	3	Literature Breath	3
Science Breadth	3	Science Breadth	3
Social Science Breadth	6	Electives	6
	16		**15**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

Information on group declaration sessions, individual advising appointments, drop-in advising, and contact information for advisors is available on our website (https://stat.wisc.edu/undergraduate-data-science-studies/).

WHAT DO DATA SCIENTISTS DO?

Data scientists are trained to manage, process, model, gain meaning and knowledge, and present data. These skills can be employed in a wide variety of different sectors of employment. Examples of interests of our students include finance, banking, sports analytics, marketing, retail, humanities, psychology, biosciences, healthcare, and consulting, just to name a few. Students are encouraged to combine Data Science with majors, certificates, and courses from differing areas to best be able to apply their data science in the area of their choosing.

Data science is one of the fastest-growing areas of jobs in the United States and in Wisconsin. The Occupational Outlook Handbook (OOH) from the Bureau of Labor Statistics (https://www.bls.gov/ooh/math/data-scientists.htm) shows the job growth outlook from 2023-33 for Data Scientists to be 36% (much faster than average).

Some students may want to continue to develop additional advanced data science skills through graduate education.

DEPARTMENTAL RESOURCES

- Data Science Skills Sheet (https://drive.google.com/file/d/1Srak_e7Arr4XA9WBZ0xiOTPZnlUxPfsE/view/), aka What you can do with your Data Science major
- Career Pathways for Statistics and Data Science Canvas Course (https://canvas.wisc.edu/enroll/3JWLRW/)
- Department of Statistics Student Career Resources webpage (https://stat.wisc.edu/student-career-resources/)

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Helpful resources can be found at scholarships (https://financialaid.wisc.edu/types-of-aid/scholarships/) and the Wisconsin Scholarship Hub (https://wisc.academicworks.com/). Additional information specific to Data Science students can be found on our major webpage (https://stat.wisc.edu/undergraduate-data-science-studies/) and opportunities are regularly sent to declared students via our weekly newsletter.

DATA SCIENCE, CERTIFICATE

Students in the Data Science certificate will develop abilities such as data management, reproducibility, modeling strategies, and ethical considerations of data science to be paired with their knowledge gained from their major or domain area. The certificate is a great fit for students who like programming, want to learn data analysis, and seek to be high-end users of data science tools in domain areas. Data science is one of the fastest growing career sectors in Wisconsin and across the nation.

By its very nature, the field of data science is one that teaches novel and cutting-edge ways to engage in the "continual sifting and winnowing by which alone the truth can be found."

HOW TO GET IN

HOW TO GET IN

Students are eligible to declare the certificate at any point in their studies, however they should declare it as early as possible to plan the required coursework. See the departmental website (https://stat.wisc.edu/data-science-certificate/) for information about how to declare.

Students declared in the Data Science major or the Certificate in Engineering Data Analytics are not eligible to declare the Certificate in Data Science.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of 16 credits.

Code	Title	Credits
Foundation Courses		**10-12**
Complete two programming courses from		*7-8*
COMP SCI 220	Data Science Programming I [1]	
or COMP SCI 320	Data Science Programming II	
STAT 240	Data Science Modeling I	
E C E 204	Data Science & Engineering	
Complete one ethics course from		*3-4*
L I S 461	Data and Algorithms: Ethics and Policy (4-credit Communication B optional)	
or E C E/ I SY E 570	Ethics of Data for Engineers	
Elective Courses		**6**
Complete a minimum of 6 credits of electives, including at least 3 credits from the Fundamental Electives list.		
Fundamental Electives		*3-6*
ACT SCI 654	Regression and Time Series for Actuaries	
ACT SCI 655	Health Analytics	
ACT SCI 657	Risk Analytics	
BIOCORE 382	Evolution, Ecology, and Genetics Laboratory	
BIOCORE 384	Cellular Biology Laboratory	
BIOCORE 486	Principles of Physiology Laboratory	
BSE 405	Artificial Intelligence in Agriculture	
CHEM 361	Machine Learning in Chemistry	
CIV ENGR 516	Hydrologic Data Analysis	
COMP SCI 320	Data Science Programming II [1]	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI 544	Introduction to Big Data Systems	
COMP SCI 565	Introduction to Data Visualization	
COMP SCI/ B M I 576	Introduction to Bioinformatics	
ECON 315	Data Visualization for Economists	

ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
ECON 460	Economic Forecasting	
ECON 570	Fundamentals of Data Analytics for Economists	
ECON 695	Topics in Economic Data Analysis	
ED PSYCH 551	Quantitative Ethnography	
FINANCE 310	Data Analytics for Finance	
F&W ECOL 395	Data and GIS Tools for Ecology	
F&W ECOL 458	Environmental Data Science	
GEOG 378	Introduction to Geocomputing	
GEOG 560	Advanced Quantitative Methods	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	
GEOG 574	Geospatial Database Design and Development	
GEOG 579	GIS and Spatial Analysis	
I SY E 412	Fundamentals of Industrial Data Analytics	
I SY E 521	Machine Learning in Action for Industrial Engineers	
INFO SYS 423	Digital Platform Analytics	
MATH 444	Graphs and Networks in Data Science	
MATH 535	Mathematical Methods in Data Science	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
PHYSICS 361	Machine Learning in Physics	
SOC 362	Statistics for Sociologists III	
SOIL SCI 585	Using R for Soil and Environmental Sciences	
STAT 340	Data Science Modeling II	
STAT 405	Data Science Computing Project	
STAT 436	Statistical Data Visualization	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
Domain Electives		*0-3*
A A E/ECON 421	Economic Decision Analysis	
COMP SCI/E C E/ I SY E 524	Introduction to Optimization	
COMP SCI 541	Theory & Algorithms for Data Science	
GEN BUS 307	Business Analytics II	
INFO SYS 322	Introduction to Databases	
L I S 407	Data Storytelling with Visualization	
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	
LSC 460	Social Media Analytics	
LSC 660	Data Analysis in Communications Research	
SOC 351	Introduction to Survey Methods for Social Research	
SOC/ C&E SOC 365	Data Management for Social Science Research	
SOC/ C&E SOC 618	Social Network Analysis	

RESIDENCE AND QUALITY OF WORK

- Minimum 2.000 GPA on all certificate courses
- At least 9 credits must be taken in residence at UW-Madison

FOOTNOTES

[1] COMP SCI 320 may count toward either the Foundation Courses or Fundamental Electives requirement, but not both.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply tools and processes necessary for data management and reproducibility.
2. Produce meaning from data employing modeling strategies.
3. Learn best practices related to data science concepts and methods.
4. Articulate policy, privacy, security and ethical considerations in data science projects.

ADVISING AND CAREERS

ADVISING AND CAREERS

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- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

STATISTICS, BA

Modern statistics is an exciting subject that affects most aspects of modern living. It has been developed to deal rationally and objectively with the uncertainty that accompanies variation in phenomena as highly complex as the interplay of the many factors that affect our environment. It derives vitality in coping with practical problems arising in all fields of scientific activity, including the social, business, biological, agricultural, medical, natural, and engineering sciences. Investigators' efforts to learn about a specific phenomenon, be it the response of a patient to a certain medical treatment or the effectiveness of a particular instructional program on a student's learning, are impacted by the presence of natural variation. The field of statistics is concerned with valid and efficient ways to learn more about these phenomena in the presence of such variation. It is an inductive science in which information is extracted from sample data in order to draw inferences. This process most often involves planning experiments or designing studies to ensure that valid answers to questions are obtained from the sample.

HOW TO GET IN

HOW TO GET IN

To declare the statistics major, students should schedule an appointment with a statistics major advisor prior to attaining senior standing (86 credits). Information regarding major declaration and how to schedule an appointment is available on the major webpage (https://stat.wisc.edu/undergraduate-statistics-major/).

Students must have a 2.000 GPA on coursework counting in the major, and a 2.000 GPA on any upper-level work in the major completed prior to declaration. No specific coursework must be completed to declare.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (BA)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics	Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.
Language	• Complete the fourth unit of a language other than English; OR • Complete the third unit of a language and the second unit of an additional language other than English.

L&S Breadth	• 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/ Advanced work	Complete at least 60 credits at the intermediate or advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	• 30 credits in residence, overall; and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATHEMATICS

Code	Title	Credits
Calculus 1 (Complete one):		**5-10**
MATH 221	Calculus and Analytic Geometry 1 [1]	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II [1]	
Calculus 2		
MATH 222	Calculus and Analytic Geometry 2 [1]	4
Calculus 3 (Complete one):		**4-5**
MATH 234	Calculus--Functions of Several Variables [1]	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
Linear Algebra (Complete one):		**3-5**
MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 320	Linear Algebra and Differential Equations	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 345	Linear Algebra and Optimization	
Total Credits		**16-24**

COMPUTER PROGRAMMING

Code	Title	Credits
Complete one of:		3-4
COMP SCI 200	Programming I	
COMP SCI 220	Data Science Programming I	
COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	
COMP SCI 400	Programming III	
COMP SCI 412	Introduction to Numerical Methods	
Total Credits		**3-4**

STATISTICS

Code	Title	Credits
Introductory Statistics Basic Statistical Language:		**4-5**
STAT 240	Data Science Modeling I	
or STAT 301	Introduction to Statistical Methods	
or STAT 324	Introduction to Statistics for Science and Engineering	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 303	R for Statistics I	
Statistical Models:		**6-7**
STAT 333	Applied Regression Analysis	
or STAT 340	Data Science Modeling II	
STAT/M E 424	Statistical Experimental Design	
Probability (Complete one):		**3**
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT/MATH 431	Introduction to the Theory of Probability	
MATH 531	Probability Theory	
Inference:		**3**
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
Electives:		**15**
Students will complete a total of 15 credits of electives with a maximum of 6 credits from the domain electives		
Core Electives		*9-15*
STAT 304	R for Statistics II	
STAT 305	R for Statistics III	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 360	Topics in Statistics Study Abroad	
STAT 405	Data Science Computing Project	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT 433	Data Science with R	

STAT 443	Classification and Regression Trees	
STAT 436	Statistical Data Visualization	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
STAT 479	Special Topics in Statistics [2]	
STAT 575	Statistical Methods for Spatial Data	
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes	
STAT/B M I 641	Statistical Methods for Clinical Trials	
STAT/B M I 642	Statistical Methods for Epidemiology	
STAT 679	Special Topics in Statistics [2]	
Domain Electives		*0-6*
ACT SCI 653	Advanced Short-Term Actuarial Modeling	
ACT SCI 654	Regression and Time Series for Actuaries	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning	
ECON 570	Fundamentals of Data Analytics for Economists	
GEN BUS 656	Foundations of Statistical Learning for Business Analytics	
GEOG 560	Advanced Quantitative Methods	
I SY E 521	Machine Learning in Action for Industrial Engineers	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
SOC 362	Statistics for Sociologists III	
SOC 375	Introduction to Mathematical Sociology	
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics	
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization	
STAT/B M I 620	Statistics in Human Genetics	
STAT/B M I 643	Clinical Trial Design, Implementation, and Analysis	
Total Credits		**40-54**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all STAT and major courses
- 2.000 GPA on 15 Upper-Level Major credits, taken In Residence [3]
- 15 credits in STAT courses, taken on the UW-Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Statistics Major in consultation with the Statistics major advisor(s). To be admitted to the Honors Program in Statistics, students must have declared Statistics, must have a 3.3 University GPA, and must have completed and an Introductory Statistics Course (STAT 240, STAT 301, STAT 324 or STAT 371), STAT/ MATH 309, and STAT 333 or STAT 340 (or other courses with the approval of the advisor) with a GPA of 3.500 or higher in these three classes.

HONORS IN THE STATISTICS MAJOR: REQUIREMENTS

To earn Honors in the Major in Statistics, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all STAT courses
- Complete two STAT major courses (excluding 699) for a total of 6 Honors credits (https://honors.ls.wisc.edu/earn-honors-credit/) ***or*** complete 18 total credits of electives in the major where 12-18 credits come from the core elective category and 0-6 credits from the domain elective category
- STAT 681 -STAT 682, for a total of 6 credits, under the supervision of a member of the Statistics faculty or 6 credits of pre-approved research credits outside of the Statistics Department.

FOOTNOTES

[1] A grade of C or higher is required for this course to meet the requirement.

[2] STAT 479 and STAT 679 can be repeated for elective credit when enrolled for different topics.

[3] Courses that are considered Upper-Level in the major are STAT 303, STAT 304, STAT 305, STAT/MATH 309, MATH 531, STAT/MATH 310, STAT 311, STAT 312, STAT 333, STAT 340, STAT 349, STAT 351, STAT 360, STAT 405, STAT 411, STAT 421, STAT/M E 424,STAT/MATH 431, STAT 433, STAT 436, STAT 443, STAT 451, STAT 453, STAT 456, STAT 461, STAT/COMP SCI 471, STAT 479, STAT 575, STAT/I SY E/ MATH/OTM 632, STAT/B M I 641, STAT/B M I 642, STAT 679, STAT 699, ACT SCI 653, ACT SCI 654, COMP SCI/E C E/M E 532, COMP SCI/E C E 561, ECON 570, GEN BUS 656, GEOG 560, I SY E 521, MATH 635, SOC 362, SOC 375, STAT/COMP SCI/ MATH 475, STAT/COMP SCI/I SY E/MATH 525, STAT/B M I 620, STAT/B M I 643

UNIVERSITY DEGREE REQUIREMENTS

Total Degree To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Frame a scientific question with the appropriate mode of data analysis, to analyze such data correctly, and to summarize and interpret the results in a useful manner. Master a number of key statistical techniques, certainly including significance testing, goodness-of-fit testing, and regression analysis, which are common tools in analyzing data. This will include a careful checking of assumptions that underlie the techniques.
2. Design experiments/studies – in conjunction with scientists proposing the study – that will lead in an efficient manner to the collection of data that can be properly analyzed. Design studies with multiple factors taking variable reduction techniques into account. Interpret and critique designs they encounter in analyzing data.
3. Use tools from mathematical statistics and probability to assess the quality of point estimators, confidence intervals, and hypothesis tests. Demonstrate the skills to connect methods of application to their theoretical underpinnings.
4. Use a statistical language (with emphasis on R) to manipulate data and perform exploratory data analysis using basic statistical methods. Write structured R programs using conditional expressions, loops, and functions and to use regular expressions to extract data from text and make high-level visualizations.
5. Evaluate critically articles that use statistical argumentation. Assess whether or not the statistical arguments have been developed properly and the conclusions are reliable. If the arguments are not properly developed, they will be able to provide specific evidence for this.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	MATH 222	4
MATH 221	5	COMP SCI 200 or 220	3-4
Foreign Language	4	Ethnic Studies course	4
Physical Science Breadth	3	Foreign Language	4
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	STAT 303	1
Introductory Statistics course	3-4	STAT 333 or 340	3-4
Communications B	3	INTER-LS 210	1
Social Science Breadth	3	MATH 340, 341, 320, or 345	3
Humanities Breadth	3	Biological Science Breadth	3
		Literature Breadth	3
	16		**14**

Third Year

Fall	Credits	Spring	Credits
STAT/MATH 309	3	STAT/MATH 310	3
STAT/M E 424	3	STAT elective course	3
Social Science Breadth	6	Literature Breadth	3
Humanities Breadth	3	Social Science Breadth	3
		Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
STAT elective course	6	STAT elective course	6
Elective	9	Elective	9
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. Students should ideally be entering the University with a minimum of 30 advanced standing credits, and have

satisfied the following requirements with course credit or via placement examination:

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
STAT 301	Introduction to Statistical Methods	3
or STAT 324	Introduction to Statistics for Science and Engineering	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
or STAT 240	Data Science Modeling I	

- 3-4 units of foreign language
- At least 3 credits of L&S Breadth (Humanities, Social Science, Biological Science, or Physical Science)

First Year

Fall	Credits	Spring	Credits
MATH 234	4	STAT 303	1
COMP SCI 200 or 220	3-4	STAT 333 or 340	3-4
Communications A	3	MATH 340, 341, 320, or 345	3
Social Science Breadth	3	Ethnic Studies	3
Elective	3	Humanities Breadth	3
		Elective	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
STAT/MATH 309	3	STAT/MATH 310	3
STAT/M E 424	3	STAT Elective course	3
Communications B	3	Literature Breadth	3
Physical Science Breadth	3	Biological Science Breadth	3
Social Science Breadth	3	INTER-LS 210	1
	15		**13**

Third Year

Fall	Credits	Spring	Credits
STAT Elective course	3	STAT Elective course	3
STAT Elective course	3	STAT Elective course	3
Humanities Breadth	3	Literature Breadth	3
Physical Science Breadth	3	Biological Science Breadth	3
Social Science Breadth	3	Elective	3
	15		**15**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who are interested in academic advising for the Statistics major should visit the Undergraduate Statistics Advising (https://stat.wisc.edu/undergraduate-statistics-major/) website or contact the advisor group by email: advising@stat.wisc.edu.

SO WHAT CAN YOU DO WITH A STATISTICS MAJOR AFTER YOU GRADUATE?

Well-trained statisticians are in strong demand and have excellent employment prospects. Statisticians work in industry and business, in government, and in universities and other research institutions.

In most cases, a student who completed the Statistics major can find employment as a quantitative analyst or other "generalist" position. A number of our graduates have been successful following this path. However, in most cases, positions aimed at professional statisticians require a master's degree or PhD. As a professional statistician, typical employment in industry might be as a statistical consultant to biologists, engineers, or other scientists in a research-and-development branch of a large company.

The best place to look for statistics jobs is the American Statistical Association Career Center (http://www.amstat.org/ASA/Your-Career/home.aspx). Consult with a Statistics undergraduate advisor about the best fit for you.

Statistical training is seen as very desirable in many other areas (e.g., agricultural, biological, engineering, and social sciences, business, and economics) where the primary activity may not be statistics. In view of this, statistics may often be a strong choice for a second or additional major.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

STATISTICS, BS

Modern statistics is an exciting subject that affects most aspects of modern living. It has been developed to deal rationally and objectively with the uncertainty that accompanies variation in phenomena as highly complex as the interplay of the many factors that affect our environment. It derives vitality in coping with practical problems arising in all fields of scientific activity, including the social, business, biological, agricultural, medical, natural, and engineering sciences. Investigators' efforts to learn about a specific phenomenon, be it the response of a patient to a certain medical treatment or the effectiveness of a particular instructional program on a student's learning, are impacted by the presence of natural variation. The field of statistics is concerned with valid and efficient ways to learn more about these phenomena in the presence of such variation.

It is an inductive science in which information is extracted from sample data in order to draw inferences. This process most often involves planning experiments or designing studies to ensure that valid answers to questions are obtained from the sample.

HOW TO GET IN

HOW TO GET IN

To declare the statistics major, students should schedule an appointment with a statistics major advisor prior to attaining senior standing (86 credits). Information regarding major declaration and how to schedule an appointment is available on the major webpage (https://stat.wisc.edu/undergraduate-statistics-major/).

Students must have a 2.000 GPA on coursework counting in the major, and a 2.000 GPA on any upper-level work in the major completed prior to declaration. No specific coursework must be completed to declare.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

MATHEMATICS

Code	Title	Credits
Calculus 1 (Complete one):		**5-10**
MATH 221	Calculus and Analytic Geometry 1 [1]	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II [1]	
Calculus 2		
MATH 222	Calculus and Analytic Geometry 2 [1]	4
Calculus 3 (Complete one):		**4-5**
MATH 234	Calculus--Functions of Several Variables [1]	
MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
Linear Algebra (Complete one):		**3-5**

MATH 340	Elementary Matrix and Linear Algebra	
MATH 341	Linear Algebra	
MATH 320	Linear Algebra and Differential Equations	
MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 345	Linear Algebra and Optimization	
Total Credits		**16-24**

COMPUTER PROGRAMMING

Code	Title	Credits
Complete one of:		3-4
COMP SCI 200	Programming I	
COMP SCI 220	Data Science Programming I	
COMP SCI 300	Programming II	
COMP SCI 320	Data Science Programming II	
COMP SCI 400	Programming III	
COMP SCI 412	Introduction to Numerical Methods	
Total Credits		**3-4**

STATISTICS

Code	Title	Credits
Introductory Statistics Basic Statistical Language:		**4-5**
STAT 240	Data Science Modeling I	
or STAT 301	Introduction to Statistical Methods	
or STAT 324	Introduction to Statistics for Science and Engineering	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 303	R for Statistics I	
Statistical Models:		**6-7**
STAT 333	Applied Regression Analysis	
or STAT 340	Data Science Modeling II	
STAT/M E 424	Statistical Experimental Design	
Probability (Complete one):		**3**
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT/MATH 431	Introduction to the Theory of Probability	
MATH 531	Probability Theory	
Inference:		**3**
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
Electives:		**15**
Students will complete a total of 15 credits of electives with a maximum of 6 credits from the domain electives		
Core Electives		*9-15*
STAT 304	R for Statistics II	
STAT 305	R for Statistics III	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 360	Topics in Statistics Study Abroad	
STAT 405	Data Science Computing Project	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT 433	Data Science with R	
STAT 443	Classification and Regression Trees	
STAT 436	Statistical Data Visualization	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
STAT 479	Special Topics in Statistics [2]	
STAT 575	Statistical Methods for Spatial Data	
STAT/I SY E/ MATH/OTM 632	Introduction to Stochastic Processes	
STAT/B M I 641	Statistical Methods for Clinical Trials	
STAT/B M I 642	Statistical Methods for Epidemiology	
STAT 679	Special Topics in Statistics [2]	
Domain Electives		*0-6*
ACT SCI 653	Advanced Short-Term Actuarial Modeling	
ACT SCI 654	Regression and Time Series for Actuaries	
COMP SCI/E C E/ M E 532	Matrix Methods in Machine Learning	
COMP SCI/ E C E 561	Probability and Information Theory in Machine Learning	
ECON 570	Fundamentals of Data Analytics for Economists	
GEN BUS 656	Foundations of Statistical Learning for Business Analytics	
GEOG 560	Advanced Quantitative Methods	
I SY E 521	Machine Learning in Action for Industrial Engineers	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
SOC 362	Statistics for Sociologists III	
SOC 375	Introduction to Mathematical Sociology	
STAT/COMP SCI/ MATH 475	Introduction to Combinatorics	
STAT/COMP SCI/ I SY E/MATH 525	Linear Optimization	
STAT/B M I 620	Statistics in Human Genetics	

STAT/B M I 643	Clinical Trial Design, Implementation, and Analysis
Total Credits	**40-54**

RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all STAT and major courses
- 2.000 GPA on 15 Upper-Level Major credits, taken In Residence [3]
- 15 credits in STAT courses, taken on the UW-Madison campus

HONORS IN THE MAJOR

Students may declare Honors in the Statistics Major in consultation with the Statistics major advisor(s). To be admitted to the Honors Program in Statistics, students must have declared Statistics, must have a 3.3 University GPA, and must have completed and an Introductory Statistics Course (STAT 240, STAT 301, STAT 324 or STAT 371), STAT/MATH 309, and STAT 333 or STAT 340 (or other courses with the approval of the advisor) with a GPA of 3.500 or higher in these three classes.

HONORS IN THE STATISTICS MAJOR: REQUIREMENTS

To earn Honors in the Major in Statistics, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.500 GPA for all STAT courses
- Complete two STAT major courses (excluding 699) for a total of 6 Honors credits (https://honors.ls.wisc.edu/earn-honors-credit/) ***or*** complete 18 total credits of electives in the major where 12-18 credits come from the core elective category and 0-6 credits from the domain elective category
- STAT 681 -STAT 682, for a total of 6 credits, under the supervision of a member of the Statistics faculty or 6 credits of pre-approved research credits outside of the Statistics Department.

FOOTNOTES

[1] A grade of C or higher is required for this course to meet the requirement.

[2] STAT 479 and STAT 679 can be repeated for elective credit when enrolled for different topics.

[3] Courses that are considered Upper-Level in the major are STAT 303, STAT 304, STAT 305, STAT/MATH 309, MATH 531, STAT/MATH 310, STAT 311, STAT 312, STAT 333, STAT 340, STAT 349, STAT 351, STAT 360, STAT 405, STAT 411, STAT 421, STAT/M E 424,STAT/MATH 431, STAT 433, STAT 436, STAT 443, STAT 451, STAT 453, STAT 456, STAT 461, STAT/COMP SCI 471, STAT 479, STAT 575, STAT/I SY E/MATH/OTM 632, STAT/B M I 641, STAT/B M I 642, STAT 679, STAT 699, ACT SCI 653, ACT SCI 654, COMP SCI/E C E/M E 532, COMP SCI/E C E 561, ECON 570, GEN BUS 656, GEOG 560, I SY E 521, MATH 635, SOC 362, SOC 375, STAT/COMP SCI/MATH 475, STAT/COMP SCI/I SY E/MATH 525, STAT/B M I 620, STAT/B M I 643

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Frame a scientific question with the appropriate mode of data analysis, to analyze such data correctly, and to summarize and interpret the results in a useful manner. Master a number of key statistical techniques, certainly including significance testing, goodness-of-fit testing, and regression analysis, which are common tools in analyzing data. This will include a careful checking of assumptions that underlie the techniques.
2. Design experiments/studies – in conjunction with scientists proposing the study – that will lead in an efficient manner to the collection of data that can be properly analyzed. Design studies with multiple factors taking variable reduction techniques into account. Interpret and critique designs they encounter in analyzing data.
3. Use tools from mathematical statistics and probability to assess the quality of point estimators, confidence intervals, and hypothesis tests. Demonstrate the skills to connect methods of application to their theoretical underpinnings.
4. Use a statistical language (with emphasis on R) to manipulate data and perform exploratory data analysis using basic statistical methods. Write structured R programs using conditional expressions, loops, and functions and to use regular expressions to extract data from text and make high-level visualizations.
5. Evaluate critically articles that use statistical argumentation. Assess whether or not the statistical arguments have been developed properly and the conclusions are reliable. If the arguments are not properly developed, they will be able to provide specific evidence for this.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning,

including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

First Year

Fall	Credits	Spring	Credits
Communication A	3	MATH 222	4
MATH 221	5	COMP SCI 200 or 220	3-4
Foreign Language	4	Ethnic Studies course	4
Physical Science Breadth	3	Foreign Language	4
	15		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 234	4	STAT 303	1
Introductory Statistics course	3-4	STAT 333 or 340	3-4
Communications B	3	INTER-LS 210	1
Social Science Breadth	3	MATH 340, 341, 320, or 345	3
Humanities Breadth	3	Biological Science Breadth	3
		Literature Breadth	3
	16		**14**

Third Year

Fall	Credits	Spring	Credits
STAT/MATH 309	3	STAT/MATH 310	3
STAT/M E 424	3	STAT elective course	3
Social Science Breadth	6	Literature Breadth	3
Humanities Breadth	3	Social Science Breadth	3
		Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
STAT elective course	6	STAT elective course	6
Elective	9	Elective	9
	15		**15**

Total Credits 120

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

A three-year degree is feasible for students with a variety of backgrounds and specific preparation. Students should ideally be entering the University with a minimum of 30 advanced standing credits, and have satisfied the following requirements with course credit or via placement examination:

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
STAT 301	Introduction to Statistical Methods	3
or STAT 324	Introduction to Statistics for Science and Engineering	
or STAT 371	Introductory Applied Statistics for the Life Sciences	
or STAT 240	Data Science Modeling I	

- 3-4 units of foreign language
- At least 3 credits of L&S Breadth (Humanities, Social Science, Biological Science, or Physical Science)

First Year

Fall	Credits	Spring	Credits
MATH 234	4	STAT 303	1
COMP SCI 200 or 220	3-4	STAT 333 or 340	3-4
Communications A	3	MATH 340, 341, 320, or 345	3
Social Science Breadth	3	Ethnic Studies	3
Elective	3	Humanities Breadth	3
		Elective	3
	16		**16**

Second Year

Fall	Credits	Spring	Credits
STAT/MATH 309	3	STAT/MATH 310	3
STAT/M E 424	3	STAT Elective course	3
Communications B	3	Literature Breadth	3
Physical Science Breadth	3	Biological Science Breadth	3
Social Science Breadth	3	INTER-LS 210	1
	15		**13**

Third Year

Fall	Credits	Spring	Credits
STAT Elective course	3	STAT Elective course	3
STAT Elective course	3	STAT Elective course	3
Humanities Breadth	3	Literature Breadth	3
Physical Science Breadth	3	Biological Science Breadth	3
Social Science Breadth	3	Elective	3
	15		**15**

Total Credits 90

ADVISING AND CAREERS

ADVISING AND CAREERS

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The best place to look for statistics jobs is the American Statistical Association Career Center (http://www.amstat.org/ASA/Your-Career/home.aspx). Consult with a Statistics undergraduate advisor about the best fit for you.

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- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

STATISTICS, CERTIFICATE

The Statistics certificate is a great fit for students who wish to use statistical principles to solve data problems with a mathematical approach. Students will develop knowledge and skills in analytics and statistics, such as understanding how to work with data and applying their analysis within their given major or domain area. Statistics continues to be one of the fastest growing employment sectors in the nation and in Wisconsin and the Statistics certificate will allow a broader range of students to gain these highly desired skills.

Students in the certificate will gain "scientific, professional and technological expertise, and a sense of purpose."

HOW TO GET IN

HOW TO GET IN

Students must have credit for the following to declare the certificate:

Code	Title	Credits
Complete one introductory statistics course		
B M E 325	Applied Statistics for Biomedical Engineers	
ECON 310	Statistics: Measurement in Economics	
I SY E 210	Introduction to Industrial Statistics	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Complete one calculus course		
MATH 211	Survey of Calculus 1	
MATH 221	Calculus and Analytic Geometry 1	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	

Information on how to declare the certificate is available on our website (https://stat.wisc.edu/statistics-certificate/). Students are encouraged to schedule a meeting with a Statistics advisor if they have questions.

Students declared in the Statistics major or Data Science major are not eligible to declare this certificate.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum of 13 credits.

Code	Title	Credits
Introductory Statistics (complete one course):		**3-4**
B M E 325	Applied Statistics for Biomedical Engineers	
ECON 310	Statistics: Measurement in Economics	
I SY E 210	Introduction to Industrial Statistics	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	

STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
Statistical Language		**1**
STAT 303	R for Statistics I	
Regression Analysis (complete one course):		**3-4**
STAT 333	Applied Regression Analysis	
STAT 340	Data Science Modeling II	
Probability (complete one course):		**3**
E C E 331	Introduction to Random Signal Analysis and Statistics	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
MATH 331	Introductory Probability	
STAT/MATH 431	Introduction to the Theory of Probability	
MATH 531	Probability Theory	
Elective, complete at least 3 credits below		**3**
STAT 304	R for Statistics II	
STAT 305	R for Statistics III	
STAT/MATH 310	Introduction to Probability and Mathematical Statistics II	
STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	
STAT 349	Introduction to Time Series	
STAT 351	Introductory Nonparametric Statistics	
STAT 405	Data Science Computing Project	
STAT 411	An Introduction to Sample Survey Theory and Methods	
STAT 421	Applied Categorical Data Analysis	
STAT/M E 424	Statistical Experimental Design	
STAT 433	Data Science with R	
STAT 436	Statistical Data Visualization	
STAT 443	Classification and Regression Trees	
STAT 451	Introduction to Machine Learning and Statistical Pattern Classification	
STAT 453	Introduction to Deep Learning and Generative Models	
STAT 456	Applied Multivariate Analysis	
STAT 461	Financial Statistics	
STAT/ COMP SCI 471	Introduction to Computational Statistics	
STAT 479	Special Topics in Statistics	
STAT 575	Statistical Methods for Spatial Data	
STAT/B M I 620	Statistics in Human Genetics	
STAT/B M I 641	Statistical Methods for Clinical Trials	
STAT/B M I 642	Statistical Methods for Epidemiology	
Total Credits		**13**

RESIDENCE AND QUALITY OF WORK

- At least 7 certificate credits must be completed in residence
- Minimum 2.000 GPA on all certificate courses

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Frame a scientific question with the appropriate mode of data analysis, analyze such data correctly, and summarize and interpret the results in a useful manner
2. Apply a number of key statistical techniques, including significance testing, goodness-of-fit testing, and regression analysis
3. Use tools from mathematical statistics and probability to assess the quality of point estimators, confidence intervals, and hypothesis tests
4. Apply a statistical language to manipulate data and perform exploratory data analysis using basic statistical methods

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who are interested in Statistics academic advising should check out the advising information on our website (https://stat.wisc.edu/statistics-certificate/) or send an email to statcert@stat.wisc.edu.

Students will need at least MATH 211 Survey of Calculus 1/MATH 213 Survey of Calculus 2 or MATH 221 Calculus and Analytic Geometry 1/MATH 222 Calculus and Analytic Geometry 2 to complete the Statistics certificate requirements.

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)

- Try “Jobs, Internships, & How to Get Them,” (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

GAYLORD NELSON INSTITUTE FOR ENVIRONMENTAL STUDIES

The Institute for Environmental Studies was created in 1970 to promote and enhance interdisciplinary environmental instruction, research, and outreach at UW–Madison. In 2002, it was renamed in honor of former Wisconsin governor and U.S. Senator Gaylord Nelson, the founder of Earth Day and a lifelong champion of environmental stewardship.

The program espouses an integrated approach to learning about the environment. Students are encouraged to consider their interests, strengths, and values beyond the context of their courses and connect the subject of the environment to their other courses as well as their extracurricular experiences. The Nelson Institute is a robust environmental community in which students learn about current environmental issues, and more important, how to link environmental science, policy, literature, art, and philosophy to other fields of study. The focus on the intentional integration of their academic endeavors with their interests, skills, and values provides a powerful source of self-awareness that prepares students for success across a variety of options. Finding one’s strength within this interdisciplinary approach affords students access to a wide variety of career settings and postgraduate options.

Approximately 170 faculty members from more than 50 natural and social science, engineering, and humanities departments are affiliated with the Nelson Institute, which offers scores of undergraduate-level courses in cooperation with the university's schools and colleges. The institute offers an undergraduate major and two certificates. The environmental studies major must always be done in tandem with another major on campus. Environmental studies majors have second majors in every school and college on campus, and the student population reflects the interdisciplinary focus of the Nelson Institute and its curricular offerings. All UW–Madison undergraduates are invited to consider the program.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Environmental Studies, Certificate (p. 1377)
- Sustainability, Certificate (p. 1384)

ENVIRONMENTAL STUDIES

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Environmental Studies, Certificate (p. 1377)
- Sustainability, Certificate (p. 1384)

ENVIRONMENTAL STUDIES, CERTIFICATE

WHY CHOOSE AN ENVIRONMENTAL STUDIES CERTIFICATE?

The Environmental Studies Certificate Program allows undergraduate students at UW–Madison to explore the environmental intersections that complement their major but with fewer curricular requirements than the major. Students completing the certificate also benefit from participation in the Nelson academic community and gain invaluable access to a network of multidisciplinary problem-solving colleagues. The certificate program is available only to UW–Madison students pursuing a bachelor's degree through the university's regular academic departments.

Completion of the certificate program is noted on a student’s academic transcript.

HOW TO GET IN

HOW TO GET IN

HOW TO DECLARE

Students interested in declaring the environmental studies certificate can email undergrad@nelson.wisc.edu or request a declaration appointment. Information about declaring the certificate can be found at undergraduate advising (https://nelson.wisc.edu/undergraduate/advising.php).

Students who earn an environmental studies certificate may **not** earn the environmental studies major or the sustainability certificate.

REQUIREMENTS

REQUIREMENTS

Students are required to take five courses/15 credits to include two courses in the Foundation section and three courses in the thematic areas. A minimum of 6 credits overall must be intermediate or advanced level. Courses listed under more than one category in the curriculum may be used to satisfy only one category.

ENVIRONMENTAL HUMANITIES/SOCIAL SCIENCE (TAKE ONE COURSE)

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/HIST SCI/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
ENVIR ST/ GEOG 139	Global Environmental Issues	3
SOC/C&E SOC 140	Introduction to Community and Environmental Sociology	4
ENVIR ST/ART HIST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
ENVIR ST/A A E 244	The Environment and the Global Economy	4
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society	3
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
ENVIR ST/ CLASSICS 488	Greeks, Romans and the Natural Environment	3

ENVIRONMENTAL PHYSICAL SCIENCE/ ECOLOGY (TAKE ONE COURSE)

Code	Title	Credits
ATM OCN 100	Weather and Climate	3
ATM OCN 101	Weather and Climate	4
ENVIR ST/ GEOSCI 106	Environmental Geology	3
GEOSCI 110	Evolution and Extinction	4
PHYSICS 115	Energy and Climate	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/GEOG 127	Physical Systems of the Environment	4
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	3
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3
BOTANY 240	Plants and Humans	3
ENVIR ST 251	Ecology and the Global Environment	3
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3
SOIL SCI 301	General Soil Science	3
ENVIR ST/ ATM OCN/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
F&W ECOL 401	Physiological Animal Ecology	3
ENVIR ST 413	Preserving Nature	3
F&W ECOL/ BOTANY/ ZOOLOGY 460	General Ecology	4
F&W ECOL 550	Forest Ecology	3

THEME

- Students are required to take three courses (min 9 cr.) from the thematic areas listed below.
- Courses may be concentrated in one area or taken in multiple areas.
- Courses taken in the thematic areas cannot also be used in foundation.
- Certificate students may enroll in a capstone course after the majors have enrolled, and the capstone course will be allowed to count in the thematic requirement. Junior standing is required for enrollment.

Biodiversity

Code	Title	Credits
ENVIR ST/ F&W ECOL 100	Forests of the World	3
F&W ECOL 110	Living with Wildlife - Animals, Habitats, and Human Interactions	3
GEOSCI 110	Evolution and Extinction	4
BIOCORE 181	Becoming a Scientist: Doing Biology Research	2
ENVIR ST/ ENTOM 201	Insects and Human Culture-a Survey Course in Entomology	3
BOTANY 240	Plants and Humans	3
ENVIR ST 251	Ecology and the Global Environment	3
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3
ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
GEOG/BOTANY 338	Environmental Biogeography	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
AGROECOL 370	Grassland Ecology	3
ENVIR ST 375	Field Ecology Workshop	3
BOTANY 401	Vascular Flora of Wisconsin	4
F&W ECOL 401	Physiological Animal Ecology	3
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ANTHRO/ ZOOLOGY 410	Evolutionary Biology	3
ENVIR ST 413	Preserving Nature	3
BOTANY 422	Plant Geography	3

ENVIR ST/C&E SOC/ GEOG 434	People, Wildlife and Landscapes	3
F&W ECOL 448	Disturbance Ecology	3
BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
ENTOM 490	Biodiversity and Global Change	3
ENVIR ST/BOTANY/ F&W ECOL/ ZOOLOGY 516	Conservation Biology	3
AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	3
ATM OCN/ PLANTSCI 532	Environmental Biophysics	3
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
F&W ECOL 550	Forest Ecology	3
F&W ECOL 551	Forest Ecology Lab	1
ENVIR ST 613	Reproducibility Crises and Open Science in Environmental Studies	3
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3
BOTANY/ F&W ECOL/ ZOOLOGY 672	Historical Ecology	2

Climate

Code	Title	Credits
ATM OCN 100	Weather and Climate	3
ATM OCN 101	Weather and Climate	4
ENVIR ST/ ATM OCN/ GEOSCI 102	Climate and Climate Change	3
ENVIR ST/ ATM OCN 171	Global Change: Atmospheric Issues and Problems	2-3
SOIL SCI 211	Soils and Climate Change	2
A A E 246	Climate Change Economics and Policy	3
ED POL 320	Climate Change, Sustainability, and Education	3
ENVIR ST/ ATM OCN/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ENVIR ST/ ATM OCN/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ ATM OCN 355	Introduction to Air Quality	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
ATM OCN 425	Global Climate Processes	3
ENVIR ST/ ATM OCN 520	Bioclimatology	3
ATM OCN 522	Tropical Meteorology	3
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology	3

Energy

Code	Title	Credits
PHYSICS 115	Energy and Climate	3
E C E 356	Electric Power Processing for Alternative Energy Systems	3
ENVIR ST/BSE 367	Renewable Energy Systems	3
A A E/ECON 371	Energy, Resources and Economics	3
ENVIR ST/ GEOSCI 411	Energy Resources	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
M E 461	Thermal Systems Modeling	3
CIV ENGR/ G L E 535	Wind Energy Balance-of-Plant Design	3
ENVIR ST/A A E/ CIV ENGR/ URB R PL 561	Energy Markets	3
M E/N E 565	Power Plant Technology	3
N E 571	Economic and Environmental Aspects of Nuclear Energy	3
ENVIR ST/A A E/ ECON/URB R PL 671	Energy Economics	3

Food and Agriculture

Code	Title	Credits
ENVIR ST/ AGROECOL/ C&E SOC/ ENTOM 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
INTER-AG 117	GreenHouse Roots Seminar	1
FOOD SCI 120	Science of Food	3
NUTR SCI 132	Nutrition Today	3
AN SCI 210	You and Your Food: Farm to Table	2
SOIL SCI 211	Soils and Climate Change	2
SOC/C&E SOC 222	Food, Culture, and Society	3
PLANTSCI 300	Cropping Systems	3
AGROECOL 303	Agroecological Systems: Working Towards Sustainability	3

ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
PLANTSCI 310	Plant Science and Technology in Cropping Systems	4
PL PATH 311	Global Food Security	3
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
MED HIST/ PHILOS 344	Food Ethics	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
A A E/PL PATH/ PLANTSCI 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
PLANTSCI 370	World Vegetable Crops	3
PLANTSCI 376	Tropical Horticultural Systems	2
AGROECOL 377	Global Food Production and Health	3
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
FOLKLORE 439	Foodways	3
GEN&WS 472	Food for Thought: An Intersectional Approach	3
SOC/C&E SOC 650	Sociology of Agriculture	3

Health

Code	Title	Credits
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
CIV ENGR 422	Elements of Public Health Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
SOIL SCI 430	Soil Pollution and Human Health	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
POP HLTH/ HIST SCI/ MED HIST 553	International Health and Global Society	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3

History, Culture, Society

Code	Title	Credits
CLASSICS 103	Nature, Race, and Human Difference	3
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/HIST SCI/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/ GEOG 139	Global Environmental Issues	3
SOC/C&E SOC 140	Introduction to Community and Environmental Sociology	4
HISTORY/ CHICLA 151	The North American West to 1850	3-4
ENVIR ST/ENGL 153	Literature and the Environment	3
HISTORY/ AMER IND 190	Introduction to American Indian History	3-4
GNS/ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
ENVIR ST/ART HIST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
ENVIR ST 245		3
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society	3
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
ENVIR ST 307	Literature of the Environment: Speaking for Nature	3
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	3
ENVIR ST 317	Community Environmental Scholars Program Seminar	1
ED POL 320	Climate Change, Sustainability, and Education	3
ENVIR ST/ HISTORY 328	Environmental History of Europe	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
GEOG/ ENVIR ST 337	Nature, Power and Society	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/ AMER IND 341	Indigenous Environmental Communicators	3
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1

LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	3
ENVIR ST/ HISTORY 369	Thinking through History with Animals	3-4
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/ SPANISH 445	Culture and the Environment in the Luso-Hispanic World	3
SPANISH 455	Contemporary Mayas: A Culture of Nature	3
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
ANTHRO 477	Anthropology, Environment, and Development	3
ENVIR ST/ CLASSICS 488	Greeks, Romans and the Natural Environment	3
ENGL/ ENVIR ST 533	Topic in Literature and the Environment	3
ENVIR ST/ GEOG 537	Culture and Environment	4
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
BOTANY/ F&W ECOL/ ZOOLOGY 672	Historical Ecology	2

Justice

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST 317	Community Environmental Scholars Program Seminar	1
ENVIR ST/ GEOG 337	Nature, Power and Society	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST 413	Preserving Nature	3
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/ GEOG 534	Environmental Governance: Markets, States and Nature	3
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/ECON 474	Economic Problems of Developing Areas	3
AGROECOL/ HIST SCI 301	(Horti)Cultural Roots: Human Histories of Plants and Science	4
AMER IND/ HISTORY 190	Introduction to American Indian History	3-4
AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
ANTHRO 477	Anthropology, Environment, and Development	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3
C&E SOC/SOC 573	Community Organization and Change	3
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
ECON 370	Economics of Poverty and Inequality	3
F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
GEN&WS 472	Food for Thought: An Intersectional Approach	3
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1

Land Use

Code	Title	Credits
ENVIR ST/ GEOSCI 106	Environmental Geology	3
LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3
ENVIR ST/GEOG 127	Physical Systems of the Environment	4
LAND ARC 211	Shaping the Built Environment	3
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3
SOIL SCI 301	General Soil Science	3
SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
GEOG/ URB R PL 305	Introduction to the City	3-4

A A E/ECON/ REAL EST/ URB R PL 306	The Real Estate Process	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
ENVIR ST/ SOIL SCI 324	Soils and Environmental Quality	3
ENVIR ST/ GEOG 333	Green Urbanism	3
ENVIR ST/ GEOG 337	Nature, Power and Society	3
BOTANY/GEOG 338	Environmental Biogeography	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
GEOG 344	Changing Landscapes of the American West	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
LAND ARC 373	Mindfulness in Restorative Environments	3
LAND ARC 380	Plants for Ecological Design I	2
LAND ARC 381	Plants for Ecological Design II	1
F&W ECOL 410	Principles of Silviculture	3
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	3
SOIL SCI 430	Soil Pollution and Human Health	3
ENVIR ST/C&E SOC/ GEOG 434	People, Wildlife and Landscapes	3
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
F&W ECOL/ SOIL SCI 451	Environmental Biogeochemistry	3
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4
LAND ARC/ URB R PL 463	Evolution of American Planning	3
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3
LAND ARC 511	Geodesign Methods and Applications	3
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
ENVIR ST/ GEOG 537	Culture and Environment	4
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
LAND ARC/ ENVIR ST 581	Prescribed Fire: Ecology and Implementation	3
URB R PL 601	Site Planning	3
ENVIR ST 651		3
LAND ARC 668	Restoration Ecology	3
LAND ARC 677	Cultural Resource Preservation and Landscape History	3
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3

Policy

Code	Title	Credits
URB R PL 215	Welcome to Your Urban Future	3
A A E/ENVIR ST 244	The Environment and the Global Economy	4
POLI SCI 272	Introduction to Public Policy	3-4
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
M H R 310	Challenges & Solutions in Business Sustainability	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
PUB AFFR 340	Intermediate Evidence-Based Policymaking and Communication	3
ENVIR ST/A A E/ ECON 343	Environmental Economics	3-4
ENVIR ST/ AMER IND/ GEOG 345	Caring for Nature in Native North America	3
ENVIR ST 349	Climate Change Governance	3
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	3
PUB AFFR 366	U.S. Environmental Politics and Public Policy	3
ECON 370	Economics of Poverty and Inequality	3
OTM 370	Sustainable Approaches to System Improvement	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
F&W ECOL 410	Principles of Silviculture	3
ENVIR ST 417	Sustainability Science, Technology and Policy	1
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
F&W ECOL/ A A E 430	Decision Methods for Natural Resource Managers	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
A A E/ECON 474	Economic Problems of Developing Areas	3

CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
CIV ENGR 522	Hazardous Waste Management	3
ENVIR ST/ PHILOS 523	Philosophical Problems of the Biological Sciences	3
ECON/A A E/ F&W ECOL 531	Natural Resource Economics	3
ENVIR ST/ GEOG 534	Environmental Governance: Markets, States and Nature	3
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
URB R PL 551	Climate Action Planning: Sustainable Transportation	3
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
SOC/C&E SOC 573	Community Organization and Change	3
ENVIR ST 613	Reproducibility Crises and Open Science in Environmental Studies	3
SOIL SCI/ CIV ENGR/ M&ENVTOX 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
R M I 650	Sustainability, Environmental and Social Risk Management	3
REAL EST 651	Green - Sustainable Development	3

Geospatial Analysis

Code	Title	Credits
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
ENVIR ST/ F&W ECOL/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	3
F&W ECOL 395	Data and GIS Tools for Ecology	3
GEOSCI/CIV ENGR/ ENVIR ST/G L E 444	Practical Applications of GPS Surveying	2
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3
LAND ARC 511	Geodesign Methods and Applications	3
ENVIR ST/GEOG/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	3
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3

Water

Code	Title	Credits
ATM OCN/ GEOSCI 105	Survey of Oceanography	3-4
ZOOLOGY 115	Freshwater: Past, Present, and Future	3
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	3
CIV ENGR 311	Hydroscience	3
ENVIR ST/ ZOOLOGY 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 322	Environmental Engineering Processes	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
BSE 473	Water Management Systems	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
G L E/GEOSCI 627	Hydrogeology	3-4
G L E/GEOSCI 629	Contaminant Hydrogeology	3

Multi-thematic

Code	Title	Credits
ENVIR ST/ SOIL SCI 101	Forum on the Environment	1-2
ENVIR ST 202	Careers in the Environment	2
ENVIR ST 203	Special Topics in Environmental Studies	1-3
ENVIR ST 215	Sustainability	3
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment	3
ENVIR ST 365	Systems Thinking	3
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St	1-4
ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences	1-4
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies	1-4
ENVIR ST 403	Special Topics in Environmental Studies	1-3
ENVIR ST 404	Special Topics in Environmental Humanities	1-3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3

RESIDENCE AND QUALITY OF WORK

- A minimum of 8 credits must be taken in residence.
- A minimum GPA of 2.0 is required in certificate courses.
- Courses taken on a pass/fail basis will not count toward the certificate.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Explain the social and historical processes that impact our current environments. Interpret the meanings, values, and aesthetics that are created, shaped, and revealed as humans interact with and modify the environments they inhabit.
2. Explain ecological processes and fundamental principles of environmental sciences relating to humanity's key environmental challenges of the past, present, and future.
3. Analyze and respond to environmental questions by applying interdisciplinary approaches that integrate multiple perspectives, including those from a coordinate major.
4. Recognize through critical thinking a diversity of viewpoints, ethical commitments, and disciplinary approaches to environmental concerns across various scales from the local to the global.
5. Demonstrate excellent reading, writing, communication, and research skills, both individually and in interdisciplinary teams.

ADVISING AND CAREERS

ADVISING AND CAREERS

Environmental studies students are represented in majors across campus and in most undergraduate schools and colleges. Environmental studies certificate students should utilize the career office for their home school as appropriate. All students, not just Letters & Science students, can also benefit from SuccessWorks at the College of Letters & Science.

SUSTAINABILITY, CERTIFICATE

WHY CHOOSE A SUSTAINABILITY CERTIFICATE?

Perhaps the best reason for pursuing a sustainability certificate is a personal interest in learning practical skills to make a difference in the world – in your life, in your job, and in your community. Working toward a certificate offers students the opportunity to pursue interests that complement their major(s). For example, the interdisciplinary nature of sustainability encourages students to consider multiple perspectives. In doing so, this certificate provides a breadth of perspective highly applicable to complex problems, such as those we face in our communities, in our workplaces, and in our personal lives.

The Nelson Institute also offers a major and another certificate:

Environmental Studies Major (p. 700)
Environmental Studies Certificate (p. 1377)

HOW TO GET IN

HOW TO GET IN

HOW TO DECLARE

Students interested in declaring the sustainability certificate can email undergrad@nelson.wisc.edu or request a declaration appointment. Information about declaring the certificate can be found at undergraduate advising (https://nelson.wisc.edu/undergraduate/advising.php).

Students who earn a sustainability certificate may **not** earn the environmental studies certificate or the certificate in engineering for energy sustainability.

REQUIREMENTS

REQUIREMENTS

The certificate requires 15 credits of coursework:

1. at least 2 credits from each of the four main categories:
   a. Environmental Dimension
   b. Social Dimension
   c. Economic Dimension
   d. Systems Dimension
2. Completion of a sustainability-related community service project or seminar:
   a. ENVIR ST 398 Independent Study: Sustainability Community Engagement (1 cr)
   b. 2 credits in ENVIR ST 317 Community Environmental Scholars Program Seminar
3. Additional credits from any of the course lists to meet the 15 credit minimum.

ENVIRONMENTAL DIMENSION

Complete a minimum of 2 credits from this list.

Code	Title	Credits
ENVIR ST/ ATM OCN/ GEOSCI 102	Climate and Climate Change	3
ENVIR ST/ GEOSCI 106	Environmental Geology	3
LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	3
PHYSICS 115	Energy and Climate	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/GEOG 127	Physical Systems of the Environment	4

SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	3
ENVIR ST/ ATM OCN 171	Global Change: Atmospheric Issues and Problems	2-3
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3
AGROECOL 303	Agroecological Systems: Working Towards Sustainability	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
CIV ENGR 311	Hydroscience	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization	3
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
ENVIR ST/ ATM OCN 355	Introduction to Air Quality	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3

SOCIAL DIMENSION

Complete a minimum of 2 credits from this list.

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST/ GEOG 139	Global Environmental Issues	3
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
GNS/ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
URB R PL 215	Welcome to Your Urban Future	3
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3
GEOG/ ENVIR ST 337	Nature, Power and Society	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/ AMER IND/ GEOG 345	Caring for Nature in Native North America	3
ENVIR ST 349	Climate Change Governance	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
PUB AFFR 366	U.S. Environmental Politics and Public Policy	3
ECON 370	Economics of Poverty and Inequality	3
ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/ SPANISH 445	Culture and the Environment in the Luso-Hispanic World	3
GEN&WS 472	Food for Thought: An Intersectional Approach	3
ENVIR ST/ GEOG 537	Culture and Environment	4
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3

ECONOMIC DIMENSION

Complete a minimum of 2 credits from this list.

Code	Title	Credits
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
GEN BUS 250	Sustainable Capitalism	2
M H R 310	Challenges & Solutions in Business Sustainability	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
ECON 370	Economics of Poverty and Inequality	3
OTM 370	Sustainable Approaches to System Improvement	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
R M I 650	Sustainability, Environmental and Social Risk Management	3
REAL EST 651	Green - Sustainable Development	3

SYSTEMS DIMENSION

Complete a minimum of 2 credits from this list.

Code	Title	Credits
CIV ENGR 121	Sustainability Engineering for Non-Engineers	3
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment	3
ENVIR ST 365	Systems Thinking	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3

MULTIDIMENSIONAL AND CROSS-TOPICS COURSES

Courses from this list may be completed to meet the minimum credits required to complete the certificate, but are not required.

Code	Title	Credits
ENVIR ST/ SOIL SCI 101	Forum on the Environment	1-2
INTER-AG 117	GreenHouse Roots Seminar	1
AN SCI 210	You and Your Food: Farm to Table	2
LAND ARC 211	Shaping the Built Environment	3
ENVIR ST 215	Sustainability	3
PLANTSCI/ PL PATH 261	Sustainable Turfgrass Use and Management	2
ED POL 320	Climate Change, Sustainability, and Education	3
ENVIR ST/ GEOG 333	Green Urbanism	3
PUB AFFR 340	Intermediate Evidence-Based Policymaking and Communication	3
CHICLA/ CURRIC 354	Race and Language in STEM and Environmental Education	3
A A E/PL PATH/ PLANTSCI 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
ENVIR ST/BSE 367	Renewable Energy Systems	3
LAND ARC 373	Mindfulness in Restorative Environments	3
AGROECOL 377	Global Food Production and Health	3
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
ENVIR ST 417	Sustainability Science, Technology and Policy	1
DY SCI 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
CIV ENGR 495	Sustainable Building and Materials	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
URB R PL 551	Climate Action Planning: Sustainable Transportation	3
LAND ARC 563	Designing Sustainable and Resilient Regions	4

RESIDENCE AND QUALITY OF WORK

- A 2.00 GPA in all coursework that counts toward the certificate
- Courses taken on a pass/fail basis will not count toward the certificate.
- A minimum of 8 credits must be taken in residence.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify, critically analyze, and propose solutions to the environmental, social, and economic dimensions of sustainability.
2. Engage in systems thinking and practice so as to address the interrelationships among the three dimensions of sustainability.
3. Develop the capacity for an engaged life in which theory, practice, and reflection are integrated in the pursuit of a more sustainable world.

ADVISING AND CAREERS

ADVISING AND CAREERS

Nelson Institute students are represented in majors across campus and in most undergraduate schools and colleges. Sustainability certificate students should utilize the career office for their home school as appropriate. All students, not just Letters & Science students, can also benefit from SuccessWorks at the College of Letters & Science.

SCHOOL OF BUSINESS

The School of Business (https://business.wisc.edu/) attracts talented, energetic, creative students who are known for their strong work ethic and technical capabilities. Students in the School of Business Undergraduate Program (https://business.wisc.edu/undergraduate/?_ga=1.242357250.1617918104.1481300313) experience innovative coursework directed by leading scholars in business. They have opportunities to connect with outstanding alumni for applied learning, mentoring, and general life-experience lessons. Students also enjoy access to an unlimited array of activities, clubs, and life-changing opportunities.

In 1900, UW–Madison established one of the first six commerce programs in the country, beginning as a department in the College of Letters & Science, and receiving separate school status by a 1944 act of the Wisconsin Legislature. The School of Business was a founding member of Beta Gamma Sigma (https://www.betagammasigma.org/home/), a national professional business honor society, and the Association to Advance Collegiate Schools of Business (AACSB) (http://www.aacsb.edu/), the standard-setting organization for collegiate business education. The School's undergraduate and graduate programs were reaccredited by the AACSB in 2022.

EXPERIENCE A HIGH-CALIBER UNDERGRADUATE BUSINESS EDUCATION

The University of Wisconsin–Madison is a world-class university, nationally and internationally recognized for academic excellence, incredible

students, and inspiring faculty. As a student in the undergraduate business program, you will have access to the academic and co-curricular resources of the entire university, combined with the personalized experience of being a Business Badger. It's like having the best of both worlds.

The curriculum for the WSB Undergraduate Program incorporates a foundation in the liberal arts with a business education, including focused coursework in eleven majors. The liberal arts foundation—including courses taken outside of the School of Business—develops your skills in thinking critically, analyzing problems, generating creative solutions, communicating effectively, and working in diverse teams. These are all skills top employers seek when filling positions with strong potential for advancement.

Eleven undergraduate business majors are offered, giving you the specialized knowledge you need to begin a great career. You will graduate with skills gained from top-notch faculty and real-world learning experiences. It all adds up to an educational experience that prepares you for career success and to be a trusted leader. The School of Business offers many certificate options. There are also opportunities for further education through our graduate, master's, and doctoral programs.

THE BUSINESS BADGER EXPERIENCE

The Wisconsin Business Badger Experience is about creating strong foundations and exploring student passions. Business Badgers take part in core experiences and amazing opportunities on their path toward graduation. All our Business Badgers gain academic preparation that applies learning in and out of the classroom building both technical knowledge rooted in business school courses and a broad-based liberal arts education. Our career preparation builds skills that don't just get students a first job, but build a life-long growth mindset. We staff our own Leadership & Engagement office which supports over 50 student organizations that are integrated into our leadership framework and corporate partners. Our students develop a leadership style that is grounded in personal integrity, inclusive engagement, and community. Nearly all of our students participate in at least one internship and 40% of our students study abroad. These experiences help students develop intercultural competence that prepares them to be trusted global business leaders. Our network of School of Business Alumni is 40,000 strong—and growing—and fiercely loyal to our students. As students build their Business Badger Experience they are challenged and supported by a team of outstanding faculty and staff.

THE ACCENTURE LEADERSHIP CENTER

The Accenture Leadership Center (https://business.wisc.edu/undergraduate/leadership/) (ALC) was one of the first in-house leadership centers at a U.S. business school. Today, it continues to be student-driven and alumni-supported. The center offers a variety of activities, workshops, service opportunities, and leadership training events. WSB undergraduate students graduate with the confidence, self-awareness, and professional skills to lead and inspire others.

SCHOOL OF BUSINESS CLUBS

There are more than 50 student-run clubs associated with the School of Business. These clubs enable students to connect with peers interested in similar majors or career fields. Clubs also have access to funding to help them go to career and industry-related conferences.

PERSONAL AND PROFESSIONAL FOUNDATIONS IN BUSINESS (GEN BUS 110)

Every student admitted to the School of Business takes GEN BUS 110 Personal and Professional Foundations in Business. This 1-credit course helps students explore their leadership style, who they are as individuals, and how they function in team-orientated tasks. The course also provides career foundations such as resume building and introduction of networking at career fairs.

BUSINESS BADGER BADGES: LEADERSHIP PATHWAYS TO SUCCESS

The Business Badger Badge (https://business.wisc.edu/undergraduate/leadership/badges/) program is a customizable co-curricular leadership program that combines workshops, experiences, and reflection opportunities designed to provide a deeper level of understanding and practice with certain skills/competencies. By completing specific criteria for each badge, students can earn digital achievements, which serve as credentials that can be showcased via personal profile, social media, and shared with potential employers as a way to help articulate skills gained from completing a badge. The badges available to earn are Personal Leadership Styles, Group Dynamics, Inclusive Leadership, Leading for Change, Socially Responsible Leadership, and Leadership at Lambeau. Each Badge has specific learning outcomes and criteria. Additionally, we've collaborated with the campus leadership office to make sure our program is integrated into the campus leadership certificate as well!

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Accounting Fundamentals, Certificate (p. 1401)
- Accounting, Certificate (p. 1402)
- Business Administration: Human Resources, BBA (p. 1433)
- Business Administration: Management, BBA (p. 1435)
- Business Administration: Marketing, BBA (p. 1461)
- Business Fundamentals, Summer Certificate (p. 1410)
- Business, Certificate (p. 1411)
- Business: Accounting, BBA (p. 1403)
- Business: Actuarial Science, BBA (p. 1482)
- Business: Entrepreneurship, BBA (p. 1437)
- Business: Finance, Investment, and Banking, BBA (p. 1414)
- Business: Human Resource Management, BBA (p. 1440)
- Business: Information Systems, BBA (p. 1467)
- Business: International Business, BBA (p. 1418)
- Business: Management and Human Resources, BBA (p. 1444)
- Business: Management, BBA (p. 1455)
- Business: Marketing, BBA (p. 1463)
- Business: Operations and Technology Management, BBA (p. 1470)
- Business: Real Estate and Urban Land Economics, BBA (p. 1478)
- Business: Risk Management and Insurance, BBA (p. 1486)
- Business: Supply Chain Management, BBA (p. 1474)
- Consulting, Certificate (p. 1412)
- Entrepreneurship, Certificate (p. 1459)

- International Business, Certificate (p. 1413)
- Risk Management and Insurance, Certificate (p. 1490)

ENTERING THE SCHOOL

ENTERING THE SCHOOL

A STUDENT-CENTERED ADMISSIONS PROCESS

The School of Business boasts a student body that is focused and engaged. Our highly talented undergraduate students, in turn, attract recruiting employers who return to Wisconsin year after year to fill internships and full-time positions.

Although admission to the Wisconsin Undergraduate Business Program is selective, we provide a variety of informational and workshop events to help you prepare for the admissions process.

Students may apply and enroll in the residential Undergraduate Business Program through the following pathways:

- Prospective high school students may be considered for Direct Admission to Business based on their application to the University of Wisconsin–Madison. Simply list a Business interest as your top academic area of interest on the University application.
- Current University of Wisconsin–Madison students can participate in a series of preparatory workshops and apply through the spring-term pre-business admissions process.
- Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin–Madison and the School of Business during the spring term for fall enrollment.

Once a student knows they have a Business interest, earlier enrollment in the Undergraduate Business Program is encouraged to maximize the use of resources like advising, career coaching, co-curricular engagement, and other enriching opportunities. The right choice for you depends on your current goals and where you are in your journey to becoming a Business Badger. Prospective/pre-business applicants are encouraged to familiarize themselves with the admissions eligibility policies listed on the Wisconsin BBA Admissions Policies (https://business.wisc.edu/undergraduate/admissions/pre-business-policies/) page.

For more information about these options, including directions for navigating the admissions processes and tips for submitting a competitive application, please visit the Wisconsin BBA Program website (https://business.wisc.edu/undergraduate/admissions/).

Transfer applicants (https://business.wisc.edu/undergraduate/admissions/transfer-students/) should visit the School of Business website to determine which process fits their situation.

Questions along the way? We're here to help. Reach out to a Wisconsin BBA Student Ambassador *(*https://business.wisc.edu/undergraduate/contact/ambassadors/*) or contact the* School of Business Undergraduate Program Office *(*https://business.wisc.edu/undergraduate/contact/*) at 608-890-2490.*

BUSINESS ONLINE UNDERGRADUATE PROGRAMS

Students applying to a School of Business Online Undergraduate Program apply through UW–Madison Online (https://online.wisc.edu/). Students who have earned 12 or more college credits are eligible to apply. For more information, visit the UW–Madison Online admissions website (https://online.wisc.edu/apply/) or email a UW–Madison Online enrollment coach (uwmadisononline@wisc.edu). They are here to help you navigate the application process.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

School of Business undergraduate students are expected to apply learning inside and outside the traditional classroom in ways that have a positive impact on the world. Known as the Wisconsin Experience, this principle draws upon opportunities ranging from conducting research to embracing entrepreneurship to developing multicultural competence (https://business.wisc.edu/undergraduate/diversity-inclusion/), on campus or through study abroad programs (https://business.wisc.edu/undergraduate/study-abroad/). By applying classroom learning in leadership programs (https://business.wisc.edu/undergraduate/leadership/) or student organizations (https://business.wisc.edu/undergraduate/student-organizations/), you will build your résumé and gain practical experience in using your business skills.

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

RESIDENTIAL PROGRAM

School of Business students are responsible for being familiar with the policies that affect them. School of Business policy is subject to change, so be sure to review this website for the most up-to-date information. Questions related to policy interpretation can be directed to your academic advisor for clarification. Please note that pre-business students are subject to the academic policies and procedures of their current school/college. **In addition to the academic-related policies below, we strongly encourage prospective/pre-business applicants to review all admission policies listed on the Wisconsin BBA Admission Policies (https://business.wisc.edu/undergraduate/admissions/pre-business-policies/) page.**

COURSES/ENROLLMENT

Student responsibility for enrollment

Each student is responsible for enrolling in classes and verifying their registration. Students are advised to create schedules that ensure satisfactory progress toward degree requirements.

The Office of the Registrar publishes university deadlines for adding and dropping individual courses, withdrawing (from all courses), and selection options such as pass/fail and audit. Changing enrollment can have consequences for academic standing, tuition, progress toward degree, etc. Students are strongly encouraged to consult with an academic advisor prior to initial enrollment and before making any changes to enrollment.

Progression

To progress in the School of Business Undergraduate Program, the following are expectations of business students following admission:

1. Students are required to take placement exams prior to or during SOAR.
2. Students are expected to submit test credit and transcripts prior to the first day of the fall term. They are highly encouraged to submit as early as possible.
3. GEN BUS 110 must be taken during a student's first fall term in the School of Business.
4. Business students are required to be enrolled in a math course that progresses to Calculus I (MATH 211, MATH 217, or MATH 221) during each enrolled semester until the student has completed the Calculus requirement.
    a. Exception: If a first-year student has placed into Calculus, they can take the course in either the fall or spring term of their first year.
    b. Business students who are pursuing a major with a math requirement beyond Calc I are expected to progress in math until that requirement is complete.
5. Students should complete ECON 101 within the first 30 credits in residence.

Monitoring and communication

Students are encouraged to regularly check in with their academic advisor each academic year. The School of Business will also monitor the progression expectations outlined above and will contact students who are at risk of extending their timeline to graduation.

Business Credit Limit

Undergraduate students may not take more than 90 credits of School of Business courses.

10-semester rule (reentry and transfer)

Students re-entering after an absence of 10 or more semesters:

A pre-business student seeking admission to the School of Business is responsible for completing all of the current School of Business admission and degree requirements that are in effect at the time of re-entry to UW–Madison.

A business student reentering UW–Madison is responsible for completing all the current School of Business degree requirements that are in effect at the time of reentry to UW–Madison and the School of Business. Students who left the institution as a business student do not need to reapply for admission to the School of Business when they return.

Graduation

The School of Business will graduate a student at the end of the semester (spring, summer, or fall) in which all university, BBA degree, and business major requirements are complete with a cumulative GPA of 2.00 or higher. Graduation will not be postponed for any incomplete School of Business certificate(s) or additional certificate(s) or major(s) outside the School of Business.

Students cannot graduate with a temporary grade (https://registrar.wisc.edu/valid-grades/), such as I or NR, for any requirements. Speak with the course instructor or your advisor to resolve temporary grades. The date when the outstanding Incompletes (I) are resolved will determine the semester of graduation.

If a student is completing their final coursework while not in residence, the student must notify the School of Business Undergraduate Program when the official transcript has been evaluated by UW–Madison and appears on their record. This allows their DARS to be certified for graduation.

It is the student's responsibility to ensure that graduation requirements have been met. All students should regularly consult their DARS (Degree Audit Reporting System) document in conjunction with their advisor to ensure that all graduation requirements have been met.

No-Credit Courses

The School of Business does not award credit for the following:

- Failed courses (grade of "F")
- Repeated courses (except where a repeat is allowed)
- Courses for which a student may not receive credit because of a previously completed course (as indicated in the Course Search & Enroll App)

Being enrolled in any of the above courses could impact a pre-business student's application to the School of Business. Before enrolling in and taking any of the above courses, please consult your academic advisor.

Part-time Enrollment

To maintain full-time standing, students must be enrolled in 12–18 credits.

Undergraduate students who are considering dropping below full-time (less than 12 credits) are responsible for knowing how part-time status will affect them. Below are some of the more common scenarios to explore before dropping credits:

International Students:

Dropping below full-time as an international student can have serious consequences, up to and including deportation. Please be sure to check with the International Student Services Office before dropping below 12 credits.

Scholarships, Grants, and Other Awards:

Depending on the conditions of the scholarship, a student may be required to be full time in order to remain eligible for an award. Be sure to check the stipulations for any awards you have received.

Financial Aid:

Be sure to check with the Office of Student Financial Aid to find out if being part-time will affect your financial aid package.

Tuition Refunds:

Depending on when the credits are dropped, you may be eligible for a tuition refund. Check the registrar's website for information about refund deadlines.

Athletes:

Varsity athletes are governed by Big Ten and NCAA rules that do not allow them to drop below full time. Be sure to check with your coach and athletic advisor before dropping below 12 credits.

Degree Completion:

Taking fewer credits or courses than anticipated may delay your graduation. Be certain that if you drop a course, you will still be able to complete all required courses within your desired timeline. If you are not sure, please see your academic advisor.

Pass/Fail

Undergraduate business students who are in good academic standing (i.e., not on probation) may take only one (1) course as pass/fail per semester including the summer session. A maximum of 16 total credits may be

completed as pass/fail to count toward completion of the 120 degree credits required for the BBA.

The pass/fail privilege is for a non-business elective course. The following courses cannot be taken pass/fail:

- Any business course including business courses taken during study abroad programs
- Any course required for the business major or degree, including all liberal studies requirements as well as business courses that are designated as "meets with" or "cross-listed"

It is the responsibility of the student to check requirements and policies for non-business majors and certificates prior to requesting the pass/fail privilege.

The pass/fail grade will not be included when computing your GPA, but the pass/fail credits with S (Satisfactory) grades will apply toward graduation. S is the grade for A to C; U (Unsatisfactory) is the grade for D and F.

Students must complete a minimum of 12 graded credits each semester in order to be eligible for the dean's list. Courses taken for pass/fail or credit/no credit do not count towards the minimum of 12 graded credits.

In order to apply for the pass/fail privilege, students must submit an online request (https://kb.wisc.edu/7700/) via Student Center. Please disregard the message that says "Reminder - print this form and obtain appropriate signatures." You do not need to do this.

Your request is then sent directly to the School of Business Undergraduate Program. You will be notified by email whether or not your request has been approved.

Please complete the online pass/fail form by the deadline. See the Office of the Registrar's website (https://registrar.wisc.edu/dates/) for deadline information.

Once the student has submitted the form, the course may not be changed from pass/fail back to a conventionally graded course after the established deadline. Once a pass/fail grade is recorded as S or U, it cannot be changed to a letter grade.

Auditing a Course

Auditing a course allows a student to take a class without the benefit of a grade or credit for a course.

A student who wishes to audit a course is expected to attend classes on a regular basis as an observer. Auditors do not take exams. Auditors will receive a final grade of Satisfactory (S) or No Report (NR), and AU will appear in place of a number of credits. Audit courses carry no academic credit and do not satisfy any degree or major requirements. Also, audit courses do not satisfy any minimum or maximum credits required in each term. Students interested in auditing a course should consult with their academic advisor.

Audits are not free. A course taken for audit costs the same as a course taken for credit. If students are not paying full-time fees, they will be assessed per-credit fees for an audit course.

Information about submitting a formal request to audit a class can be found in this document (https://kb.wisc.edu/7700/) from the Office of the Registrar. The course is offered only on a space-available basis with approvals of both the instructor of the course and the Academic Dean's Office in the School of Business.

Repeating a Course

Students thinking about repeating a course should talk with their advisor. Students must do all the work in the repeated course, including laboratory, attend regularly, participate in class discussions, and take examinations. Students will earn a final grade in the course. The transcript denotes repeated courses with a lowercase 'x' appearing immediately before the course description. Students should know that:

- the original grade still counts in GPA and remains on the transcript;
- credits in the repeated course do not count toward the degree, unless the course was failed the first time;
- grade points in the repeated course count toward calculation of cumulative GPA;
- credits carried on courses being repeated count toward the maximum credits permitted in a semester.

Transfer students must be particularly careful to avoid taking courses on the UW–Madison campus that duplicate courses taken at another school. Credit will not be given twice for the same or similar courses, nor will credit be given for a lower-level course in a sequence if students have already received credit for a higher-level course in that sequence. Students should carefully check the Evaluation of Transfer Credits prepared by Credit Evaluation Services and should consult with their advisor. Duplicate courses may include transfer credits and credit by exam, such as Advanced Placement, coming in as course equivalents.

Residency for Degree

Students admitted to the School of Business Undergraduate Program, including students who transfer from another college or university, must complete a minimum of 30 credits in business courses in residence.

Withdrawal

Withdrawal indicates that a student intends to stop attending all classes for the current term. If a student wishes to drop all of their classes for a particular term after the first day of classes, a student needs to formally withdraw from the semester by submitting the online withdrawal request (https://kb.wisc.edu/registrar/25601/) in the MyUW Student Center. Failure to do so may result in a recording of Failure for all courses and a probationary action. Any student may withdraw with permission and without grades being recorded at any time up to the last three weeks of a fall or spring semester. Students should refer to the enrollment dates and deadlines (https://registrar.wisc.edu/dates/) provided by the Office of the Registrar if they are enrolled in summer term and wish to withdraw. The Office of the Registrar provides additional information regarding withdrawal (https://registrar.wisc.edu/withdraw/), including the impacts of withdrawal.

Medical Withdrawal: Students who wish to withdraw as a result of a serious or unexpected physical or mental health condition, a serious or unexpected physical or mental health condition of an immediate family member who requires the student's care, or the death of an immediate family member that completely precludes the student from actively participating as a student can request a partial tuition refund according to the Medical Withdrawal process (https://registrar.wisc.edu/medical-withdrawal/). For further information on medical withdrawals, students should refer to the Medical Withdrawal (https://policy.wisc.edu/library/UW-1084/) policy.

A staff member from the Academic Dean's Office will be in contact with you following the request for a medical withdrawal via Student Center. Medical withdrawals are approved on a case-by-case basis, and medical documentation will be required.

Courses Scheduled for Fewer Than 15 Weeks

Deadlines for sessions and modular courses (https://registrar.wisc.edu/modular/) are listed on the Office of the Registrar's website.

Credit Overload

To obtain special permission for a credit overload, students need to submit a petition for special consideration (https://business.wisc.edu/undergraduate/academic-advising/) and demonstrate that special circumstances are involved.

Students who wish to take more than 18 credits during the fall or spring semester must have earned a minimum of 3.000 cumulative GPA on the UW–Madison campus. Students will not be permitted to carry more than 20 total credits during the fall or spring semester.

Students can take a maximum of 12 credits during the summer session. Please note that there are credit limits by session as well. Students may enroll for one credit per week of instruction (e.g.: a student can earn three credits during a three-week session but needs approval to earn four credits in a three-week session). Students who are seeking a credit overload for the summer session must have earned a minimum of 3.000 cumulative GPA on the UW–Madison campus. Students will not be permitted to carry more than 13 total credits during the summer session.

Credit overloads will incur additional tuition costs. Visit Tuition & Fees (https://bursar.wisc.edu/tuition-and-fees/) for more information.

EXAMS

Finals

General Info/Schedule:

Final exam times are automatically assigned for both fall and spring semesters. Final exam times can be found in MyUW.

Make-Up Final Exams:

Make-up exams may not consist of more than 10% of the total number of students enrolled. If an instructor needs to give a make-up to more than 10% of students enrolled, they must obtain the dean's written approval.

Student Conflicts:

Students should attempt to avoid having more than two exams within 24 hours. If a student has more than two exams in 24 hours, the instructor may – but is not required to – offer a make-up final exam or allowable alternative. It is the student's responsibility to be aware of their final exam schedule when registering for classes. Therefore, any conflicts should be communicated with instructors far in advance to ensure proper planning for the student and instructor, whether or not exam times can be changed.

However, if a student has two exams at the same time and date, one instructor must offer a make-up final exam or allowable alternative.

Midterms

Midterm exams can occur throughout the term and may take place outside of the regularly scheduled class time. More information on the campus policy for evening midterm exams can be found here (https://policy.wisc.edu/library/UW-879/).

GRADES

Academic Probation

Students admitted to the School of Business must maintain all of the following GPA minimums:

- 2.00 cumulative GPA on all UW–Madison coursework
- 2.00 semester GPA for each semester (including summer term)

Students who do not meet these GPA minimums will be assigned an academic action (see below for a list of actions) based on:

1. The student's most recent academic action from a prior term
2. The student's cumulative GPA (including the current term)
3. The student's term GPA for the semester just completed

A student will be cleared of probationary status at the end of the semester when all of the above conditions are met.

Probationary actions

Students will be notified via email of the requirements they must complete as part of their probationary status.

Probation: A student who has a prior academic action of *Good Academic Standing* or who has no prior academic action and who achieves a cumulative or term GPA between 1.000 and 1.999 will be placed on probation.
Continued Probation: A student on Probation whose cumulative GPA remains below 2.000 and whose term GPA for the term just completed is 2.000 or above will be placed on continued probation.
Strict Probation: A student can be placed on *Strict Probation* when they either:

1. Have a prior academic action of *Good Academic Standing* and achieve a term GPA of less than 1.000 in the semester just completed.
2. Have a prior academic action of *Probation* and achieve a term GPA of less than a 2.000 in the semester just completed

Continued Strict Probation: A student on *Strict Probation* whose cumulative GPA remains less than a 2.000 but whose term GPA for the term just completed is 2.000 or above will be placed on *Continued Strict Probation*.
Dropped for one semester (Academic Suspension): A student on *Strict Probation* or *Continued Strict Probation* who earns a term GPA for the term just completed less than 2.000.

Students have the opportunity to appeal the "dropped for one term" status by participating in an appeals process. The School of Business' Academic Dean's Office will notify students by email of the appeals process and timeline.

Students who were dropped for one term may reapply on probationary status (after a one-semester hiatus) if they can demonstrate the ability and desire to devote sufficient energy to scholastic work. To reapply, students may complete a reentry application (https://admissions.wisc.edu/apply-as-a-reentry-student/) through the Office of Admissions and Recruitment.

GPA deficiencies causing probationary status cannot be removed through coursework at another university or through correspondence study.

Dean's List

Business students who achieve a grade point average of 3.75 for any semester in which they complete 12 graded degree credits will have their names on the dean's list. A permanent record of this achievement is entered on the student's transcript. Please note that courses taken for pass/fail or credit/no credit do not count toward the minimum of 12 graded credits. Students with I, P, or U on their grade report will automatically

be ineligible for the dean's list. Subsequent academic action may change eligibility.

Grading Policy
School of Business faculty and instructors are required by policy to have clear grading guidelines in their syllabus.

Graduating with Distinction
The Office of the Registrar compiles a preliminary list of business students eligible for distinction. The School of Business Undergraduate Program will notify eligible students via email 2-3 weeks before the commencement ceremony.

Distinction is awarded to graduated business students who meet the following criteria:

- At least sixty (60) credits earned (in residence) at UW–Madison
- A cumulative UW–Madison GPA in the top twenty percent (20%) of the graduating business class

Please note that students on the preliminary list for distinction may or may not receive distinction. The distinction designation is subject to change and is dependent upon the official graduation date (semester), the number of students graduating, and final grade calculations, including last semester and in-progress courses.

Students with distinctive scholastic achievement are eligible to wear a cardinal stole with their commencement attire. The stoles can be obtained from the University Bookstore with a deposit and do not need to be ordered in advance.

"Graduated with Distinction" is notated on official transcripts only.

Incomplete Policy
A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework.

To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

For a short summary of the policy, see the Enrollment and Records - Incompletes section (p. 38) of Guide.

A request for an incomplete must be initiated before the end of the term, and the instructor and the student must agree on the coursework to be completed and establish a plan for the work to be submitted and graded before or by the deadline noted below. An incomplete is not given to a student who stays away from a final examination unless the student proves to the instructor that they were prevented from attending.

If an undergraduate business student earns an incomplete in a spring or summer term, the work for that course must be completed and a grade change submitted by the Friday of the eighth week of the following fall term. If an undergraduate business student earns an incomplete in a fall term, the work for that course must be completed and a grade change submitted by the Friday of the eighth week of the following spring term.

Probationary status will be applied, when applicable, to business students with an incomplete. The academic action will be based on their GPA without the course that has an incomplete. This is a temporary action that could change once the incomplete is resolved. Please see the "Academic Probation" section for further information on the policy and GPA minimums.

If a student is graduating and has an incomplete in the term they wish to graduate, they will need to complete the work before their degree can be awarded. Finishing up work for an incomplete after the term/semester means that a student will be awarded their degree at the next official graduation date.

MAJOR DECLARATION
School of Business Major
Direct admit business students will declare their business major at SOAR. Students can indicate that they are exploring in business at that time. Direct admit students who select the Exploring Business option are required to declare a major within the School of Business within their first 30 credits in residence. They are encouraged to meet with their academic advisor and career coach for major exploration guidance.

Business students admitted through the pre-business process will be declared in their selected business major at the time of acceptance into the School. Business students may update their major plan (can declare or cancel any of the business majors offered) by completing the major declaration form (https://bus.wisc.edu/current-student-resources/bba/academic-support-resources/forms/).

Students interested in declaring a certificate offered through the School of Business should follow the procedures outlined on the Certificates page for the appropriate program.

Additional major outside of business
Business students may declare **one** additional major outside the School of Business in the College of Letters & Science (excluding AMEP, Journalism, Landscape Architecture, Social Work, Music: Education BM, and Music: Performance: BM), School of Education (only including Educational Policy Studies, Health Promotion and Health Equity or Theater & Drama), or College of Agricultural and Life Sciences (only including Global Health). Students who gain approval to complete an additional major in the College of Letters & Science, the School of Education, or the College of Agricultural and Life Sciences must complete major requirements prior to, or concurrently with, their business degree. Students who have fulfilled the degree requirements for the BBA will be graduated, even if the additional major outside the School of Business had not been completed.

To declare a second major:
Students will need to meet with the advisor of their additional major, and the advisor will fill out and submit an additional major declaration form on their behalf. This will be sent to the School of Business Undergraduate Program for approval.

Meet regularly with your School of Business academic advisor and additional major advisor regarding major and/or degree requirements.

To cancel a second major:
Students interested in canceling their additional major will need to make this request through their additional major advisor or department.

COURSES AT OTHER INSTITUTIONS
Common Guidance for Off-Campus Coursework
School of Business undergraduate students are advised to take no more than two courses in their major (or per major if pursuing multiple majors) off-campus. This guidance includes courses taken for transfer credit at another accredited institution as well as courses taken on a School of Business or UW–Madison-sponsored study abroad program. The academic departments of the School of Business strongly recommend

that all business students complete the core or initial course in their major(s) on campus.

While School of Business undergraduate students are able to take courses off-campus, the School of Business Undergraduate Program reminds students that they should plan to complete all prerequisites for any off-campus course, regardless of its place in the BBA curriculum, prior to taking the course off-campus. Attention to these prerequisites is crucial to ensuring School of Business undergraduate students are prepared for their coursework whether it is taken on or off campus. Advance academic planning is an integral part of a student's success and ability to remain on track to graduate. Students are strongly encouraged to share with their advisor if they plan to enroll in coursework off-campus at any time once they are a UW–Madison student. Advisors assist students in making decisions regarding enrollment in off-campus coursework and share resources with students to ensure that courses will transfer to UW–Madison for degree credit and satisfy the requirement(s) they expect. While students are always encouraged to share this information with their advisor, students are required to gain permission to take courses off-campus in certain circumstances.

Concurrent Enrollment

School of Business students are not allowed to enroll concurrently at other institutions of higher learning during any term in which they are enrolled at UW–Madison (fall, spring) without seeking special permission via the Petition for Special Consideration (https://business.wisc.edu/undergraduate/academic-advising/). This includes enrollment in online, distance education, and physical attendance classes (exceptions may be made for UW–Extension/Independent Learning – see below).

Students are permitted to enroll in more than one university during the summer session. However, please be aware that if you are taking a course at another university that begins in the summer and coincides with the fall and/or spring semester, it will fall into this category of concurrent enrollment, regardless of when the course will be completed.

If students are taking a course at another institution of higher learning over UW–Madison's winter break, they do not need to seek permission for concurrent enrollment if the course does not overlap UW–Madison's spring term or if the overlap is two weeks or less. Please note that students may take no more than one course off-campus during winter recess.

If it is discovered that a student violated this policy, this credit will be removed from the student's record. It is the responsibility of the student to verify with their academic advisor that they are not in violation of this policy.

Independent Learning

UW Independent Learning (UW IL) is a branch of UW Extension that offers online and distance learning courses. Courses taken through UW Independent Learning are considered **concurrent enrollment** and require special permission to enroll in the fall, spring, or summer.

Students interested in taking a course through UW IL should meet with an academic advisor. If the advisor and student agree this is a good option, the student should follow these steps to request permission for concurrent enrollment and request a tuition waiver (if applicable). Forms should be submitted to successandpolicy@wsb.wisc.edu.

- Fill out a **Petition/Special Consideration Request** requesting permission for concurrent enrollment with UW Independent Learning. Be sure to include which class you intend to take.
- Students with full-time status at UW–Madison may request a **tuition waiver** for UW Extension Independent Learning Courses provided that the following conditions are met:
  - The student requests the waiver and enrolls in the course by the UW–Madison add deadline (the second Friday of the semester).
  - The course is taken during the regular academic session.
  - The course is completed during the term for which the tuition waiver is requested.
  - The student does not exceed 18 credits total between the two campuses.
  - The student will not be studying abroad for the entire term for which the tuition waiver is requested.

Students are responsible for the administrative fee for enrolling in a UW-IL course.

The minimum length of time to complete a UW-IL course is typically three months. Students should take this into consideration as they are planning the completion of their degree.

Transfer Credits

UW–Madison students may choose to take courses off campus during the summer or winter session and potentially transfer credit to UW–Madison. The UW–Madison Office of the Registrar handles transfer course equivalencies. Please note that UW–Madison School of Business students may not take courses at another institution during the fall or spring semester if they are concurrently taking courses at UW–Madison (see **concurrent enrollment policy**). Students may take no more than one course off-campus during winter recess. Students interested in earning transfer credit for a **non–UW study abroad program** must work with UW–Madison's International Academic Programs well in advance.

It is highly recommended that students do not take a course unless they know in advance that it will transfer to UW–Madison for credit. The Office of the Registrar provides information regarding how to determine course equivalencies (https://registrar.wisc.edu/transfer-your-credit-to-uw-madison/).

Transfer Credit Process

- Review your DARS report and consult your academic advisor to see what you still need to take and whether the course(s) would be a good option to take at another institution over the summer or winter session. It is not advised to take your business major courses off campus.
- Research course options at the institution where you plan on taking the course(s).
- Determine equivalency using Office of the Registrar resources (https://registrar.wisc.edu/course-equivalency-service/), beginning with Transferology (https://www.transferology.com/state/wisconsin.htm).
- Apply as a "special" or "guest" student at the institution you plan on attending.
- Enroll in the course and pay tuition directly to the institution you are attending.
- After the course is complete, have the institution send an official transcript to the UW–Madison Office of Admissions and Recruitment at 702 West Johnson Street, Suite 1101, Madison, WI 53715-1007 or etranscripts@admissions.wisc.edu.

APPEAL

Academic Policy or Requirement Appeal

If an undergraduate business student wishes to request an exception to a School of Business academic policy or regulation, or a degree or major requirement, they should start by consulting with their academic advisor. They then will need to formally submit their request using the Petition for Special Consideration (https://business.wisc.edu/undergraduate/academic-advising/) form. Exception requests could include dropping a course or withdrawing after the deadline, enrolling in a credit overload, concurrent enrollment, or meeting a requirement with a substitution. Students pursuing one of the business certificate options should utilize the Petition for course or requirement exceptions related to their certificate.

Exceptions to established policies, regulations, and/or program requirements should be rare and will be considered on an individual case-by-case basis. They will be reviewed by the School of Business Undergraduate Program. School of Business Department Chairs will be consulted on major requirement exceptions. Substantial consultation time with faculty, staff, and/or deans may be required, so students should not expect to receive an immediate response.

Grade Appeal

If a student is dissatisfied with a grade received in a School of Business course, the below procedure must be followed should the student wish to appeal the grade. This process should be initiated as soon as possible and no later than one year from when the grade was awarded.

The student will first discuss the grade appeal with the instructor of the course.

If the student and instructor cannot come to an agreement, the student will provide a formal written request for grade appeal to the associate dean in charge of the relevant program. The written request must include the class, instructor, grade received, date and conclusion of the meeting with the instructor, and the specific reason(s) for appealing the grade.

The associate dean will forward the appeal request to the chair of the department that houses the course in question. The department chair will perform the due diligence necessary (including, but limited to, meeting with the instructor and student) to assess the merits of the appeal request and will provide a decision in writing to the associate dean.

The associate dean will communicate the decision to both the student and the instructor.

Should the student wish to appeal the decision further, the associate dean will perform the due diligence necessary (including, but limited to, meeting with the chair, instructor, and student) to assess the merits of the appeal request. The associate dean has the discretion to review not only the process that was undertaken in the first review but also the earlier decision. The associate dean will provide a decision in writing to the chair, instructor, and student. The instructor will take action if needed.

Please note that The Office of Compliance is responsible for investigating allegations of discrimination. If a student is appealing a grade due to alleged discrimination, they should be in contact with the Office of Compliance.

ONLINE DEGREE PROGRAM

School of Business students are responsible for being familiar with the policies that affect them. School of Business policy is subject to change, so be sure to review this website for the most up-to-date information. Questions related to policy interpretation can be directed to your academic advisor for clarification. The following policies apply to students pursuing one of the School of Business online degree programs.

COURSES/ENROLLMENT

Program Requirements

When students enter a School of Business online degree program, they are held to the degree requirements described in the most recent Guide. The term of admittance to the online program results in a catalog and alternate catalog year that reflects the most recent BBA requirements for the online program.

10 Semester Rule for Reentry Students

Students re-entering after an absence of 10 or more semesters:

A business student reentering UW–Madison is responsible for completing all the current School of Business degree requirements that are in effect at the time of reentry to UW–Madison and the School of Business. Students who left the institution as a business student do not need to reapply for admission to the School of Business when they return.

Modality

The modality for School of Business online degree program courses is online only. Students in an online program who are enrolled in a class section that is not "Online Only" will be dropped from that class section.

A change of program that requires a change of modality of instruction is not permitted. Should there be compelling extenuating circumstances that justify a change in learning modality option for an individual student, the student may request of change of modality via the Petition for Special Consideration (https://business.wisc.edu/undergraduate/academic-advising/).

Graduation

The School of Business will graduate a student at the end of the semester (spring, summer, or fall) in which all university, BBA degree, and business major requirements are complete with a cumulative GPA of 2.00 or higher.

Students cannot graduate with a temporary grade (https://registrar.wisc.edu/valid-grades/), such as I or NR, for any requirements. Speak with the course instructor or your advisor to resolve temporary grades. The date when the outstanding Incompletes (I) are resolved will determine the semester of graduation.

If a student is completing their final coursework while not in residence, the student must notify the School of Business Undergraduate Program when the official transcript has been evaluated by UW–Madison and appears on their record. This allows their DARS to be certified for graduation.

It is the student's responsibility to ensure that graduation requirements have been met. All students should regularly consult their DARS (Degree Audit Reporting System) document in conjunction with their advisor to ensure that all graduation requirements have been met.

Student Responsibility for Enrollment

Each student is responsible for enrolling in classes and verifying their registration. Students are advised to create schedules that ensure satisfactory progress toward degree requirements.

The Office of the Registrar publishes university deadlines for adding and dropping individual courses, withdrawing (from all courses), and selection options such as pass/fail and audit. Please pay special attention to session deadlines (https://registrar.wisc.edu/sessioncodes/). Changing enrollment can have consequences for academic standing, tuition, progress toward degree, etc. Students are strongly encouraged to consult with an academic advisor prior to initial enrollment and before making any changes to enrollment.

No Credit Courses

The School of Business does not award credit for the following:

- Failed courses (grade of "F")
- Repeated courses (except where a repeat is allowed)
- Courses for which a student may not receive credit because of a previously completed course (as indicated in the Course Search & Enroll App)

Before enrolling in and taking any of the above courses, please consult your academic advisor.

Part-time Enrollment

To maintain full-time standing, students must be enrolled in 12–18 credits.

Undergraduate students who are considering dropping below full time (less than 12 credits) are responsible for knowing how part-time status will affect them. Below are some of the more common scenarios to explore before dropping credits:

Scholarships, Grants, and Other Awards:
Depending on the conditions of the scholarship, a student may be required to be full time in order to remain eligible for an award. Be sure to check the stipulations for any awards you have received.

Financial Aid:
Be sure to check with the Office of Student Financial Aid to find out if being part time will affect your financial aid package.

Tuition Refunds:
Depending on when the credits are dropped, you may be eligible for a tuition refund. Check the registrar's website for information about refund deadlines.

Athletes :
Varsity athletes are governed by Big Ten and NCAA rules that do not allow them to drop below full time. Be sure to check with your coach and athletic advisor before dropping below 12 credits.

Degree Completion:
Taking fewer credits or courses than anticipated may delay your graduation. Be certain that if you drop a course, you will still be able to complete all required courses within your desired timeline. If you are not sure, please see your academic advisor.

Pass/Fail

Undergraduate business students who are in good academic standing (i.e., not on probation) may take only one (1) course as pass/fail per semester including the summer session. A maximum of 16 total credits may be completed as pass/fail to count toward completion of the 120 degree credits required for the BBA.

The pass/fail privilege is for a non-business elective course. The following courses cannot be taken pass/fail:

- Any business course including business courses taken during study abroad programs
- Any course required for the business major or degree, including all pre-business and liberal studies requirements as well as business courses that are designated as "meets with" or "cross-listed"

It is the responsibility of the student to check requirements and policies for non-business majors and certificates prior to requesting the pass/fail privilege.

The pass/fail grade will not be included when computing your GPA, but the pass/fail credits with S (Satisfactory) grades will apply toward graduation. S is the grade for A to C; U (Unsatisfactory) is the grade for D and F.

Students must complete a minimum of 12 graded credits each semester in order to be eligible for the dean's list. Courses taken for pass/fail or credit/no credit do not count towards the minimum of 12 graded credits.

In order to apply for the pass/fail privilege, students must submit an online request (https://kb.wisc.edu/7700/) via Student Center. Please disregard the message that says "Reminder - print this form and obtain appropriate signatures." You do not need to do this.

Your request is then sent directly to the School of Business Undergraduate Program Office. You will be notified by email whether or not your request has been approved.

Please complete the online pass/fail form by the deadline. See the Office of the Registrar's website for deadline information (https://registrar.wisc.edu/dates/).

Once the student has submitted the form, the course may not be changed from pass/fail back to a conventionally graded course after the established deadline. Once a pass/fail grade is recorded as S or U, it cannot be changed to a letter grade.

Auditing a Course

Auditing an online degree program course is not permitted.

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Students thinking about repeating a course should talk with their advisor. Students must do all the work in the repeated course, including laboratory, attend regularly, participate in class discussions, and take examinations. Students will earn a final grade in the course. The transcript denotes repeated courses with a lowercase 'x' appearing immediately before the course description. Students should know that:

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Withdrawal indicates that a student intends to stop attending all classes for the current term. If a student wishes to drop all of their classes for a particular term after the first day of classes, a student needs to formally withdraw from the semester by submitting the online withdrawal request (https://kb.wisc.edu/registrar/25601/) in the MyUW Student Center. Failure to do so may result in a recording of Failure for all courses and a probationary action. Any student may withdraw with permission and without grades being recorded at any time up to the withdrawal deadline. Students should refer to the enrollment dates and deadlines (https://registrar.wisc.edu/dates/) provided by the Office of the Registrar.
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A staff member from the Academic Dean's Office will be in contact with you following the request for a medical withdrawal via Student Center. Medical withdrawals are approved on a case-by-case basis, and medical documentation will be required.

Credit Overload

To obtain special permission for a credit overload, students need to submit a petition for special consideration (https://business.wisc.edu/undergraduate/academic-advising/) and demonstrate that special circumstances are involved.

Students who wish to take more than 18 credits during the fall or spring semester must have earned a minimum of 3.000 cumulative GPA on the UW–Madison campus. Students will not be permitted to carry more than 20 total credits during the fall or spring semester. Online degree students must request a credit overload if they wish to enroll in more than 9 credits during an 8 week session.

Students can take a maximum of 12 credits during the summer session. Please note that there are credit limits by session as well. Students may enroll for one credit per week of instruction (e.g.: a student can earn three credits during a three-week session but needs approval to earn four credits in a three-week session). Students who are seeking a credit overload for the summer session must have earned a minimum of 3.000 cumulative GPA on the UW–Madison campus. Students will not be permitted to carry more than 13 total credits during the summer session.

Credit overloads will incur additional tuition costs. Visit Tuition & Fees (https://bursar.wisc.edu/tuition-and-fees/) for more information.

GRADES

Academic Probation

Students admitted to the School of Business must maintain all of the following GPA minimums:

- 2.00 cumulative GPA on all UW–Madison coursework
- 2.00 semester GPA for each semester (including summer term)

Students who do not meet these GPA minimums will be assigned an academic action (see below for list of actions) based on:

1. The student's most recent academic action from a prior term
2. The student's cumulative GPA (including the current term)
3. The student's term GPA for the semester just completed

A student will be cleared of probationary status at the end of the semester when all of the above conditions are met.

Probationary actions

Students will be notified via email of the requirements they must complete as part of their probationary status.

Probation: A student who has a prior academic action of *Good Academic Standing* or who has no prior academic action and who achieves a cumulative or term GPA between 1.000 and 1.999 will be placed on probation.
Continued Probation: A student on Probation whose cumulative GPA remains below 2.000 and whose term GPA for the term just completed is 2.000 or above will be placed on continued probation.
Strict Probation: A student can be placed on *Strict Probation* when they either:

1. Have a prior academic action of *Good Academic Standing* and achieve a term GPA of less than 1.000 in the semester just completed.
2. Have a prior academic action of *Probation* and achieve a term GPA of less than a 2.000 in the semester just completed

Continued Strict Probation: A student on *Strict Probation* whose cumulative GPA remains less than a 2.000 but whose term GPA for the term just completed is 2.000 or above will be placed on *Continued Strict Probation*.
Dropped for one semester (Academic Suspension): A student on *Strict Probation* or *Continued Strict Probation* who earns a term GPA for the term just completed less than 2.000.

Students have the opportunity to appeal the "dropped for one term" status by participating in an appeals process. The School of Business' Academic Dean's Office will notify students by email of the appeals process and timeline.

Students who were dropped for one term may reapply on probationary status (after a one-semester hiatus) if they can demonstrate the ability and desire to devote sufficient energy to scholastic work.
To reapply, students may complete a reentry application (https://admissions.wisc.edu/apply-as-a-reentry-student/) through the Office of Admissions and Recruitment.

GPA deficiencies causing probationary status cannot be removed through coursework at another university or through correspondence study.

Dean's List

Business students who achieve a grade point average of 3.75 for any semester in which they complete 12 graded degree credits will have their names on the dean's list. A permanent record of this achievement is

entered on the student's transcript. Please note that courses taken for pass/fail or credit/no credit do not count toward the minimum of 12 graded credits. Students with I, P, or U on their grade report will automatically be ineligible for the dean's list. Subsequent academic action may change eligibility.

Grading Policy

School of Business faculty and instructors are required by policy to have clear grading guidelines in their syllabus.

Graduating with Distinction

The Office of the Registrar compiles a preliminary list of business students eligible for distinction. The School of Business Undergraduate Program will notify eligible students via email 2-3 weeks before the commencement ceremony.

Distinction is awarded to graduated business students who meet the following criteria:

- At least sixty (60) credits earned (in residence) at UW–Madison
- A cumulative UW–Madison GPA in the top twenty percent (20%) of the graduating business class

Please note that students on the preliminary list for distinction may or may not receive distinction. The distinction designation is subject to change and is dependent upon the official graduation date (semester), the number of students graduating, and final grade calculations, including last semester and in-progress courses.

Students with distinctive scholastic achievement are eligible to wear a cardinal stole with their commencement attire. The stoles can be obtained from the University Bookstore with a deposit and do not need to be ordered in advance.

"Graduated with Distinction" is notated on official transcripts only.

Incomplete Policy

A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework.

To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

For a short summary of the policy, see the Enrollment and Records - Incompletes section (p. 38) of Guide.

A request for an incomplete must be initiated before the end of the term, and the instructor and the student must agree on the coursework to be completed and establish a plan for the work to be submitted and graded before or by the deadline noted below. An incomplete is not given to a student who stays away from a final examination unless the student proves to the instructor that they were prevented from attending.

If an undergraduate business student earns an incomplete in a spring or summer term, the work for that course must be completed and a grade change submitted by the Friday of the eighth week of the following fall term. If an undergraduate business student earns an incomplete in a fall term, the work for that course must be completed and a grade change submitted by the Friday of the eighth week of the following spring term.

Probationary status will be applied, when applicable, to business students with an incomplete. The academic action will be based on their GPA without the course that has an incomplete. This is a temporary action that could change once the incomplete is resolved. Please see the "Academic Probation" section for further information on the policy and GPA minimums.

If a student is graduating and has an incomplete in the term they wish to graduate, they will need to complete the work before their degree can be awarded. Finishing up work for an incomplete after the term/semester means that a student will be awarded their degree at the next official graduation date.

MAJOR DECLARATION

School of Business online degree program students can update their business major plan by declaring or canceling any of the online business majors offered through the major declaration form (https://business.wisc.edu/undergraduate/academic-advising/).

School of Business online degree program students cannot pursue business majors or certificates offered within the residential program or declare additional majors or certificates outside of the School of Business.

COURSES AT OTHER INSTITUTIONS

Common Guidance for Off-Campus Coursework

School of Business undergraduate students are advised to take no more than two courses in their major (or per major if pursuing multiple majors) off-campus. This guidance includes courses taken for transfer credit at another institution of higher learning as well as courses taken on a School of Business or UW–Madison-sponsored study abroad program.

While School of Business undergraduate students are able to take courses off-campus, the School of Business Undergraduate Program reminds students that they should plan to complete all prerequisites for any off-campus course, regardless of its place in the BBA curriculum, prior to taking the course off campus. Attention to these prerequisites is crucial to ensuring School of Business undergraduate students are prepared for their coursework whether it is taken on or off campus. Advance academic planning is an integral part of a student's success and ability to remain on track to graduate.

Concurrent Enrollment

Students are strongly encouraged to share with their advisor if they plan to enroll in coursework at another institution at any time once they are a UW–Madison student. Advisors assist students in making decisions regarding enrollment in coursework at a different institution and share resources with students to ensure that courses will transfer to UW–Madison for degree credit and satisfy the requirement(s) they expect. While students are always encouraged to share this information with their advisor, students are required to gain permission to take courses elsewhere in certain circumstances.

School of Business students are not allowed to enroll concurrently at other institutions of higher learning when they are enrolled at UW–Madison (fall, spring) without seeking special permission via the Petition for Special Consideration (https://business.wisc.edu/undergraduate/academic-advising/).

Students are permitted to enroll in more than one university during the summer session. However, please be aware that if you are taking a course at another university that begins in the summer and coincides with the fall and/or spring semester, it will fall into this category of concurrent enrollment, regardless of when the course will be completed.

If students are taking a course at another institution of higher learning over UW–Madison's winter break, they do not need to seek permission for concurrent enrollment if the course does not overlap UW–Madison's spring term or if the overlap is two weeks or less. Please note that students may take no more than one course off-campus during winter recess.

If it is discovered that a student violated this policy, this credit will be removed from the student's record. It is the responsibility of the student to verify with their academic advisor that they are not in violation of this policy.

Independent Learning

UW Independent Learning (UW IL) is a branch of UW Extension that offers online and distance learning courses. Courses taken through UW Independent Learning are considered concurrent enrollment and require special permission to enroll in the fall, spring, or summer.

Students interested in taking a course through UW IL should meet with an academic advisor. If the advisor and student agree this is a good option, the student should fill out a Petition for Special Consideration (https://business.wisc.edu/undergraduate/academic-advising/) to request permission for concurrent enrollment. The minimum length of time to complete a UW-IL course is typically three months. Students should take this into consideration as they are planning the completion of their degree.

Please note that students in the online undergraduate business program do not qualify for a tuition waiver for UW Independent Learning courses.

Transfer Credits

UW–Madison students may choose to take courses off campus during the summer or winter session and potentially transfer credit to UW–Madison. The UW–Madison Office of the Registrar handles transfer course equivalencies. Please note that UW–Madison School of Business students may not take courses at another institution during the fall or spring semester if they are concurrently taking courses at UW–Madison (see concurrent enrollment policy). Students may take no more than one course off-campus during winter recess. Students interested in earning transfer credit for a non–UW study abroad program (https://studyabroad.wisc.edu/nonapproved/) must work with UW–Madison's International Academic Programs well in advance.

It is highly recommended that students do not take a course unless they know in advance that it will transfer to UW–Madison for credit. The Office of the Registrar provides information regarding how to determine course equivalencies (https://registrar.wisc.edu/transfer-your-credit-to-uw-madison/).

Transfer Credit Process

- Review your DARS report and consult your academic advisor to see what you still need to take and whether the course(s) would be a good option to take at another institution over the summer or winter session. It is not advised to take your business major courses off campus.
- Research course options at the institution where you plan on taking the course(s).
- Determine equivalency using Office of the Registrar course equivalency resources (https://registrar.wisc.edu/course-equivalency-service/), beginning with Transferology (https://www.transferology.com/state/wisconsin.htm).
- Apply as a "special" or "guest" student at the institution you plan on attending.
- Enroll in the course and pay tuition directly to the institution you are attending.
- After the course is complete, have the institution send an official transcript to the UW–Madison Office of Admissions and Recruitment at 702 West Johnson Street, Suite 1101, Madison, WI 53715-1007 or etranscripts@admissions.wisc.edu.

APPEAL

Academic Policy or Requirement Appeal

If an undergraduate business student wishes to request an exception to a School of Business academic policy or regulation, or a degree or major requirement, they should start by consulting with their academic advisor. They then will need to formally submit their request using the Petition for Special Consideration (https://buswisc.qualtrics.com/jfe/form/SV_3a4CkoBg7BQhXRr/?_ga=2.2520624.1034170563.1614009576-1842162041.1564425520) form. Exception requests could include dropping a course or withdrawing after the deadline, enrolling in a credit overload, concurrent enrollment, or meeting a requirement with a substitution.

Exceptions to established policies, regulations, and/or program requirements should be rare and will be considered on an individual case-by-case basis. They will be reviewed by the School of Business Undergraduate Program. School of Business Department Chairs will be consulted on major requirement exceptions. Substantial consultation time with faculty, staff, and/or deans may be required, so students should not expect to receive an immediate response.

Grade Appeal

If a student is dissatisfied with a grade received in a School of Business course, the below procedure must be followed should the student wish to appeal the grade. This process should be initiated as soon as possible and no later than one year from when the grade was awarded.

The student will first discuss the grade appeal with the instructor of the course. If the student and instructor cannot come to an agreement, the student will provide a formal written request for grade appeal to the associate dean in charge of the relevant program. The written request must include the class, instructor, grade received, date and conclusion of the meeting with the instructor, and the specific reason(s) for appealing the grade.

The associate dean will forward the appeal request to the chair of the department that houses the course in question. The department chair will perform the due diligence necessary (including, but limited to, meeting with the instructor and student) to assess the merits of the appeal request and will provide a decision in writing to the associate dean.

The associate dean will communicate the decision to both the student and the instructor.

Should the student wish to appeal the decision further, the associate dean will perform the due diligence necessary (including, but limited to, meeting with the chair, instructor, and student) to assess the merits of the appeal request. The associate dean has the discretion to review not only the process that was undertaken in the first review but also the earlier decision. The associate dean will provide a decision in writing to the chair, instructor, and student. The instructor will take action if needed.

Please note that the Office of Compliance is responsible for investigating allegations of discrimination. If a student is appealing a grade due to alleged discrimination, they should be in contact with the Office of Compliance.

REQUIREMENTS

REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

SCHOOL OF BUSINESS LIBERAL STUDIES REQUIREMENTS

Liberal studies requirements must be completed prior to graduation. **A single course may not be used to fulfill multiple liberal studies requirements.**

Code	Title	Credits
Communication Part A		
Complete one course designated Communication Part A or completion of Communication Part A based on UW Placement Test		0-3
Economics		
Select one of the following:		4
ECON 101	Principles of Microeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Human Behavior		
Select one of the following:		3-4
PSYCH 202	Introduction to Psychology	
SOC/ C&E SOC 211	The Sociological Enterprise	
ANTHRO 104	Cultural Anthropology and Human Diversity	
GEN&WS 102	Gender, Women, and Society in Global Perspective	
HDFS 263	Development from Adolescence to Old Age	
Calculus		
Select one of the following:		3-5
MATH 211	Survey of Calculus 1	
MATH 217	Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry 1	
Literature		
Select one 3 (or more) credit course designated Literature (L)		3
Science		
Select six credits designated Biological, Natural or Physical Science. Courses in Mathematics and Statistics can not be used to fulfill this requirement.		6
Ethnic Studies		
Select one 3 (or more) credit course designated Ethnic Studies (e)		3
Humanities		
Select one 3 (or more) credit course designated Humanities (H or Z) [1]		3
Ethics		
Select one of the following:		3-4
PHILOS 241	Introductory Ethics	
PHILOS 243	Ethics in Business	
PHILOS 341	Contemporary Moral Issues	
PHILOS/ ENVIR ST 441	Environmental Ethics	
L I S 461	Data and Algorithms: Ethics and Policy	
Total Credits		**28-35**

[1] **Note:** A student can complete an additional Literature course to satisfy this requirement.

BUSINESS FUNDAMENTALS REQUIREMENT

Students must take the following:

Code	Title	Credits
GEN BUS 110	Personal and Professional Foundations in Business	1
GEN BUS 106	Foundational Skills for Business Analysis	1
ECON 102	Principles of Macroeconomics	3-4
or ECON 111	Principles of Economics-Accelerated Treatment	
GEN BUS 360	Workplace Writing and Communication	3
ACCT I S 100	Introductory Financial Accounting	3
ACCT I S 211	Introductory Managerial Accounting	3
Business Analytics		*6-8*
Complete 1 of the sequence options below. Courses should be taken in subsequent semesters.		
Option 1:		
GEN BUS 306 & GEN BUS 307	Business Analytics I and Business Analytics II	
Option 2 (Required for Actuarial Science Majors):		
MATH 331	Introductory Probability	
or STAT/ MATH 309	Introduction to Probability and Mathematical Statistics I	
GEN BUS 317	Mathematical Foundations of Business Analytics [1]	
or STAT/ MATH 310	Introduction to Probability and Mathematical Statistics II	
Option 3 (Recommended for Economics Double Majors or Econ Certificate Students):		
ECON 310	Statistics: Measurement in Economics	
ECON 400	Introduction to Applied Econometrics	
or ECON 410	Introductory Econometrics	
Total Credits		**20-23**

[1] **Note:** Recommended sequence for Actuarial Science majors

BUSINESS CORE REQUIREMENT

Students must take the following:

Code	Title	Credits
FINANCE/ ECON 300	Introduction to Finance	3
MARKETNG 300	Marketing Management	3
M H R 300	Managing Organizations	3
OTM 300	Operations and Supply Chain Management	3
GEN BUS 301	Business Law	3
GEN BUS 400	Integrated Strategic Leadership	3
Total Credits		**18**

BUSINESS SIGNATURE REQUIREMENT

Code	Title	Credits
Select one of the following:		3
INFO SYS 322	Introduction to Databases	
INTL BUS 200	International Business	
REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process	
R M I 300	Principles of Risk Management	
Select two of the following:		4
GEN BUS/ DS 240	Human-centered Design and Business	
GEN BUS 250	Sustainable Capitalism	
GEN BUS 308	Cloud Based Business Analytics	
Total Credits		**7**

CREDITS FOR BBA DEGREE

120 Degree Credits

All students who plan to graduate from the University of Wisconsin–Madison with a bachelor's degree must complete a minimum of 120 degree credits.

RESOURCES

RESOURCES

ACADEMIC ADVISING

As a student in the Wisconsin Business Undergraduate Program, you will work directly with academic advisors who will help you plan your business education every step of the way. The advisors are here to help you explore options, define goals, and accomplish what you set out to achieve during your time as a Business Badger and beyond. Academic advisors also support students in making choices about course enrollment and understanding and interpreting degree requirements and policies.

Advisors in the Wisconsin Business Undergraduate Program work in partnership with you. They give you the tools and support you need to make your own decisions about the course of your education. Your partnership with the advising team begins early in your academic career at the University of Wisconsin–Madison. When you enroll in the UW–Madison, one of your first steps will be to attend Student Orientation, Advising, and Registration (SOAR), where you will have your first meeting with an academic advisor.

Admitted students are welcomed and encouraged to check in with their academic advisor each term. Academic Advising also offers drop-in advising hours daily during the academic year. UW–Madison students who are not yet enrolled in the Wisconsin Business Undergraduate Program but who expect to apply through the pre-business admissions process (https://business.wisc.edu/undergraduate/admissions/current-uw-students/) receive their business advising at the School of Business with pre-business academic advisors.

In addition to providing advising, the School of Business Undergraduate Program serves as the academic dean's office: interpreting policy, administering academic processes, and performing graduation checks for graduating business students. For more information, visit the advising website (https://business.wisc.edu/undergraduate/academic-advising/) or contact Undergraduate Academic Advising in 3150 Grainger Hall; 608-262-0471; wibbaadvising@wsb.wisc.edu (wibbaadvising@bus.wisc.edu).

CAREER DEVELOPMENT

The WSB Career Engagement Team takes a relationship-based approach to working with students throughout the career development process and consults with top employers to facilitate the recruitment, hiring and career readiness of our students. Our Career Forward program offers a variety of services and experiences to admitted undergraduate business, certificate in business, consulting certificate, and master of accountancy students including 1:1 coaching, career/major pathways exploration and planning, career workshops, interview preparation, career fairs, career treks, case competitions, employer recruiting events, on-campus interviewing, experiential learning opportunities, job shadowing, industry connections, and networking events. We will also coach you through the development of a professional resume, cover letter, networking and interviewing skills and job search, offer and negotiation skills. Through the exploration of your values, strengths, skills and interests, we will help you create a career roadmap and action plan early on in your collegiate experience so that you can participate in experiences both on and off campus to build your skills and readiness for the workplace or graduate study. Career planning is an ongoing process, and we are committed to helping you determine and achieve your immediate career goals and support you in developing the skills to manage a successful career throughout your lifetime.

For more information about Career Engagement resources for students and faculty/staff, please see this page (https://business.wisc.edu/undergraduate/careers/).

LEADERSHIP & ENGAGEMENT

The WSB Undergraduate Program Leadership & Engagement office coordinates leadership and involvement opportunities (https://business.wisc.edu/undergraduate/leadership/) for students to enhance their personal and professional skills.

The Accenture Leadership Center (ALC) offers students unique, hands-on opportunities to develop leadership skills through workshops, conferences, leadership case competitions, and more.

The WSB Undergraduate Program also has its own student government, UBC (Undergraduate Business Council), to unify and represent the student voice on issues of shared governance within the school and to promote community among business students. In addition, there are 50+ undergraduate business student organizations, offering plenty of opportunities for students to get involved and put their leadership and

collaboration skills into practice. A business student organization fair is held at the start of each semester where potential new members can meet with representatives of organizations. Our Assistant Director of Leadership & Engagement, along with student Student Organization Program Assistants, provide additional support and trainings for business Student Organization leaders. This support includes financial assistance for any student organization events or trips related to career-development.

Business Connect is a residential living-learning community specifically available for first-year direct admit business students. Located in Ogg Hall, about a 5 minute walk from Grainger, Business Connect offers personal, professional, and community building events that provide early and easy access to WSB faculty, staff, and resources. There's also an optional mentorship program for Business Connect residents, and special events with employer partners.

The Leadership & Engagement team also oversees the Personal and Professional Foundations in Business course that all newly admitted BBA students take. This course introduces students to School of Business resources, helps them develop important leadership skills, facilitates networking, and encourages personal reflection about their time as a BBA student and future goals. Several sections of this course are held in Ogg Hall, specifically for Business Connect residents.

For more information about Leadership & Engagement, see this page (https://business.wisc.edu/undergraduate/leadership/).

GLOBAL PROGRAMS

The WSB Global Programs team works to advise students in all phases of study abroad including program selection and preparation, while abroad, and upon return. A study abroad experience (https://business.wisc.edu/undergraduate/ study-abroad/) can complement and enhance every aspect of your business education. This is made possible by partnering with top business schools and study abroad programs across the globe to offer more than 35 business focused study abroad opportunities for students. Over 40 percent of each Wisconsin BBA graduating class studies abroad. These students regularly speak of their experience as professionally rewarding and personally transformative. A study abroad experience can be a great way to demonstrate enhanced autonomy, motivation, organization, worldview, and resilience. You, too, can return from study abroad with a developed set of skills (that employers value!), a new sense of self, and a greater appreciation of cultural differences.

Expanding access to study abroad opportunities is a priority of our team and we work to develop programs in new locations and of different lengths (ranging from one week to an academic year) as well as create scholarships for study abroad.

The School of Business works in close collaboration with the campus-wide study abroad office, International Academic Programs (IAP), to administer study abroad programs geared specifically for undergraduate business students. All approved UW-Madison programs share policies, procedures, and best practices. The UW-Madison Study Abroad website (https://studyabroad.wisc.edu/) highlights the portfolio of business specific programs (https://studyabroad.wisc.edu/programsearch/?advisinglocation=102) as well as other programs that may have a focus outside of, or in addition to, business (e.g. liberal studies, language learning, engineering, or life sciences).

ACCOUNTING AND INFORMATION SYSTEMS

The accounting major allows students to develop strong technical and professional skills to succeed in a dynamic profession. Learn how emerging technologies are changing the landscape of business and gain an appreciation for the global and diverse nature of a career path in accounting. The curriculum covers financial, managerial and cost accounting, accounting systems and emerging technologies, taxation, audit and advisory services. Students will learn to evaluate the economic transactions on which businesses are built and organize and report the impact of those transactions.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Accounting Fundamentals, Certificate (p. 1401)
- Accounting, Certificate (p. 1402)
- Business: Accounting, BBA (p. 1403)

ACCOUNTING FUNDAMENTALS, CERTIFICATE

The undergraduate certificate in accounting fundamentals provides non-business students the opportunity to gain accounting knowledge and skills that are fundamental for many careers, but especially for wealth management, financial planning, corporate finance, and other finance-related careers. This certificate allows for a lot of flexibility so that students can customize their coursework to best align with their career interests. Students who complete the certificate would be prime candidates to continue their study in an accounting graduate program, which will expand potential career opportunities.

HOW TO GET IN

HOW TO GET IN

The certificate is open to undergraduates declared in a major outside of the School of Business who are in good academic standing. Students declared in a major in the School of Business are not eligible for the certificate. To declare the certificate, go to the Academic Forms (https://business.wisc.edu/undergraduate/academic-advising/#forms/) page and complete the Business Major and Certificate Declaration form.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
ACCT I S 100	Introductory Financial Accounting	3
or ACCT I S 300	Accounting Principles	

ACCT I S 211	Introductory Managerial Accounting	3
ACCT I S 301	Financial Reporting I	3
FINANCE/ ECON 300	Introduction to Finance	3
Total Credits		**12**

A minimum 2.0 GPA must be earned on all course work used to meet the requirements (12 credits) of the certificate program. All certificate credits must be earned in residence at UW-Madison.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Articulate Generally Accepted Accounting Principles (GAAP) (and relevant assumptions, principles, and constraints) utilized to prepare financial statements.
2. Describe management accounting and control systems and their role in the implementation of an organizational strategy.
3. Describe conceptual and quantitative tools that are the foundation of corporate finance.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who have declared the Certificate in Accounting Fundamentals will be assigned to the Business Certificate Advising Committee.

ACCOUNTING, CERTIFICATE

The undergraduate certificate in accounting provides students the opportunity to develop additional expertise in accounting without having to pursue a double major. This certificate is available to all undergraduate students enrolled in the School of Business, with the exception of those students majoring in accounting. This certificate allows for a lot of flexibility so that students can customize their coursework to best complement their current business major. Students who complete this certificate would be good candidates to consider a graduate program in accounting, which could expand potential career opportunities.

HOW TO GET IN

HOW TO GET IN

To declare this certificate, students must be admitted to UW–Madison and the School of Business (WSB). To find out more about the school's admissions process for undergraduate students, please see Entering the School (https://guide.wisc.edu/undergraduate/business/#enteringtheschooltext). Contact the Wisconsin BBA Advising Center listed under the Advising and Careers tab for more information or to declare the certificate.

Students may not earn this certificate in conjunction with a BBA in Accounting.

REQUIREMENTS

REQUIREMENTS

A minimum 2.5 GPA must be earned on all course work applied to meet the requirements of the certificate program. At least 50% of the certificate credits must be earned in residence at UW-Madison as a degree-seeking undergraduate.

Code	Title	Credits
ACCT I S 301	Financial Reporting I	3
ACCT I S 302	Financial Reporting II	3
ACCT I S Electives: Any courses numbered ACCT I S 303 through ACCT I S 699, except ACCT I S 329 and ACCT I S 401.		6
Total Credits		**12**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand the proper presentation, measurement, and reporting financial statement elements and transactions, and the use of financial statement information for analysis purposes.
2. Understand that financial and nonfinancial information serves numerous purposes in an organization, especially in relation to facilitating and influencing decisions.
3. Document, evaluate, and recommend improvements to basic accounting information systems used to control processes and communicate information to be used in financial reporting.
4. Understand the objective of taxes applicable at the federal level, and apply a framework for integrating income tax planning into accounting and business transactions as a foundation for structuring tax efficient business transactions.
5. Gain technical knowledge about how to perform a high-quality audit, and gain familiarity with how independence, objectivity, professional skepticism, and ethical behavior contribute to a high-quality.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students

to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

*Students may direct questions about the graduate programs to Katharine Widlak (*katharine.widlak@wisc.edu*), director of the master's programs, or their academic or career advisor.*

CAREERS

The most common career paths in accounting include public and corporate accounting.

Public accountants work with clients to review or prepare financial documents. All areas of public accounting work together to inspect control processes and determine accuracy of financial information and compliance with laws, regulations, and generally accepted accounting principles. They make recommendations regarding business decisions and company finances. Public accounting includes audit/assurance and tax.

Corporate accountants manage an organization's financials and provide expertise in financial reporting and control to assist management in forming and implementing business strategy. Corporate accounting is a broad term that can include many different functions, such as management accounting, internal audit, and financial analysis.

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

BUSINESS: ACCOUNTING, BBA

By pursuing the accounting major (https://business.wisc.edu/undergraduate/majors/accounting/), you will develop strong technical and professional skills to succeed in a dynamic profession. Learn how emerging technologies are changing the landscape of business and gain an appreciation for the global and diverse nature of a career path in accounting.

Topics, skills, and concepts:

- Financial and managerial accounting, cost accounting, accounting systems, emerging technologies, taxation, audit and advisory services.
- Evaluate the economic transactions on which businesses are built, and organize and report the impact of those transactions. Learn to evaluate the tax impact of business decisions.
- Critical analysis, group dynamics, problem solving, and communication skills.

RELATED STUDENT ORGANIZATIONS

Beta Alpha Psi (https://win.wisc.edu/organization/bap/)
Institute of Management Accountants (https://win.wisc.edu/organization/imauwmadison/)
Women in Finance and Accounting (https://win.wisc.edu/organization/wifa/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Accounting BBA cannot earn the Certificate in Accounting, Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: ACCOUNTING MAJOR REQUIREMENTS

The accounting major is a total of 25-30 credits, distributed as follows:

Code	Title	Credits
ACCT I S 301	Financial Reporting I	3
ACCT I S 302	Financial Reporting II	3
ACCT I S 310	Cost Management Systems	3
ACCT I S 340	Accounting Information Systems	3
ACCT I S 401	Business Organizations and Negotiable Instruments	3
ACCT I S 406	Accounting and Analysis for Reporting Entities	1-6
or ACCT I S 600	Professional Experience in Accounting	
ACCT I S 620	Fundamentals of Taxation	3
ACCT I S 621	Corporate and Advanced Taxation	3
ACCT I S 630	Foundations of Auditing	3
Accounting majors must take a minimum of 18 credits of ACCT I S courses numbered 301 or higher at UW-Madison		
Total Credits		**25-30**

RECOMMENDED ELECTIVES [1]

Code	Title	Credits
ACCT I S 406	Accounting and Analysis for Reporting Entities [2]	3
ACCT I S 600	Professional Experience in Accounting	1-6
ACCT I S 603	Financial Statement Analysis [2]	3
ACCT I S 640	Foundation in Accounting Analytics [2]	3
The following courses are recommended as program electives outside of accounting. The student is encouraged to elect as many as a program will permit.		
FINANCE/ ECON 320	Investment Theory [2]	3
FINANCE 325	Corporation Finance	3
FINANCE 602	Wealth Management & Financial Planning [2]	3
FINANCE 635	Business Valuation [2]	3
FINANCE 650	Mergers and Acquisitions [2]	3
INFO SYS 322	Introduction to Databases	3
M H R 310	Challenges & Solutions in Business Sustainability [2]	3
M H R 617	Diversity in Organizations [2]	3
R M I 300	Principles of Risk Management [2]	3
R M I 650	Sustainability, Environmental and Social Risk Management [2]	3
R M I 660	Risk Analytics and Behavioral Science [2]	3
R M I 670	Cyber Risk & Regulations [2]	3

[1] Students who are interested in sitting for the CPA Exam may consider taking 1–2 extra accounting courses, as CPA requirements vary from state to state. Further, students interested in sitting for the CPA Exam should take INFO SYS 322, which covers many CPA exam learning objectives and meets a requirement to sit for the CPA exam in Wisconsin prior to graduation with a MSABA degree.

[2] Students interested in pursuing a Graduate Accounting degree from UW-Madison will have the ability to transfer up to 6 credits of undergraduate coursework to their graduate degree. These courses would be eligible to transfer under this policy.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply Generally Accepted Accounting Principles (GAAP) (and relevant assumptions, principles, and constraints) to prepare financial statements.
2. Recognize that management accounting and control systems, providing financial and non-financial performance information, are integral to the successful design and implementation of an organizational strategy.
3. Interpret and validate business events and transactions through the lens of business processes and systems.
4. Demonstrate technical competence in income taxation of individuals, partnerships, corporations, and international organizations.
5. Identify the legal implications of their choices and how the law impacts their interactions with others in a business setting.
6. Explain how to complete an audit from beginning to end, applying auditing standards, assessing risk, and gathering evidence.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This page includes four **sample** four-year plans, two plans for students directly admitted into the School of Business from high school and two plans for students not directly admitted from high school. In each of the two sets of plans, the first plan represents the accounting major and the second plan represents the accounting major with the integrated Master of Science in Business: Accounting and Business Analysis (MSABA) degree. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

PLAN 1: ACCOUNTING MAJOR – DIRECT ADMIT

Freshman

Fall	Credits	Spring	Credits
MATH 211 or 221	4-5	ECON 101 or 111	4
Communications Part A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	ACCT I S 100	3
Science	3	Science	3
GEN BUS 106	1	Humanities	3
GEN BUS 110	1		
	15-16		**16-17**

Sophomore

Fall	Credits	Spring	Credits
ECON 102 or 111	4	ACCT I S 302	3
ACCT I S 211	3	GEN BUS 306	3
ACCT I S 301	3	ACCT I S 310	3
GEN BUS 360	3	MARKETNG 300	3
Elective	2	FINANCE/ECON 300	3
		GEN BUS/DS 240, 250, or 308	2
	15		**17**

Junior

Fall	Credits	Spring	Credits
GEN BUS 307	3	ACCT I S 630	3
ACCT I S 620	3	ACCT I S 401	3
M H R 300	3	OTM 300	3
ACCT I S 340	3	Elective	3
GEN BUS 301	3	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322[1]	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
GEN BUS 400	3	ACCT I S 600 or 406[3]	1-6
Literature	3	ACCT I S 621	3
Elective	4	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
Elective[2]	3	Elective	3
GEN BUS 250, 240, or 308	2	Elective	2
	15		**12-18**

Total Credits 120-128

1. Students are highly encouraged to take INFO SYS 322 Introduction to Databases. Material in this course is covered on the Uniform CPA examination.
2. Students are highly encouraged to consider ACCT I S 640 Foundation in Accounting Analytics.
3. We recommend that non-MSABA students complete their internship in the summer.

Note: A student pursuing this plan may end up taking more credits to reach 150 total credits to be eligible to sit for the CPA exam.

PLAN 2: ACCOUNTING MAJOR WITH MSABA – DIRECT ADMIT

Freshman

Fall	Credits	Spring	Credits
MATH 211 or 221	4-5	ECON 101 or 111	4
Communications Part A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	ACCT I S 100	3
Science	3	Science	3
GEN BUS 110	1	Humanities	3
GEN BUS 106	1		
	15-16		**16-17**

Sophomore

Fall	Credits	Spring	Credits
ECON 102 or 111	3-4	ACCT I S 302	3
ACCT I S 211	3	GEN BUS 360	3
ACCT I S 301	3	ACCT I S 310	3
GEN BUS 306	3	Elective	3
Elective	4	GEN BUS/DS 240, 250, or 308	2
		FINANCE/ECON 300	3
	16-17		**17**

Junior

Fall	Credits	Spring	Credits
GEN BUS 307	3	ACCT I S 401	3
ACCT I S 620	3	ACCT I S 621	3
MARKETNG 300	3	ACCT I S 630	3
M H R 300	3	OTM 300	3
ACCT I S 340	3	Elective	3
GEN BUS 301	3	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322[1]	3
	18		**18**

Senior

Fall	Credits	Spring	Credits
GEN BUS 400	3	ACCT I S 600 or 406	1-6
Literature	3	Elective[3]	2
PHILOS 241, 243, 341, or 441 (Ethics)	3-4		
Elective[2]	3		
GEN BUS 250, 250, or 308	2		
Elective	3		
	17-18		**3-8**

Total Credits 120-129

1. Students are highly encouraged to take INFO SYS 322 Introduction to Databases. Material in this course is covered on the Uniform CPA examination.
2. Students are highly encouraged to consider ACCT I S 640 Foundation in Accounting Analytics.
3. We recommend that MSABA students who complete an internship during the spring semester fulfill these elective credits outside of the spring semester (summer, online, AP credits, etc.).

PLAN 3: ACCOUNTING MAJOR - NON-DIRECT ADMIT

Freshman

Fall	Credits	Spring	Credits
MATH 211 or 221	4-5	ECON 101 or 111	4
Communications Part A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	Literature	3
Humanities	3	Science	3
GEN BUS 106	1	Elective	3
Elective	2		
	16-17		**16-17**

Sophomore

Fall	Credits	Spring	Credits
ACCT I S 100	3	GEN BUS 307	3
GEN BUS 306	3	ACCT I S 211	3
GEN BUS 110	1	ACCT I S 301	3
M H R 300	3	GEN BUS 360	3
ECON 102 or 111	3-4	Elective	2
GEN BUS/DS 240, 250, or 308	2		
	15-16		**14**

Junior

Fall	Credits	Spring	Credits
ACCT I S 302	3	OTM 300	3
ACCT I S 340	3	ACCT I S 620	3
FINANCE/ECON 300	3	GEN BUS 301	3
MARKETNG 300	3	ACCT I S 310	3
Elective	2	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322[1]	3
GEN BUS 250, 240, or 308	2		
	16		**15**

Senior

Fall	Credits	Spring	Credits
GEN BUS 400	3	Elective[2]	3
Science	3	ACCT I S 600 or 406[3]	1-6
ACCT I S 401	3	PHILOS 241, 243, 341, or 441	3-4
ACCT I S 630	3	Elective	3
ACCT I S 621	3	Elective	3
	15		**13-19**

Total Credits 120-129

1. Students are highly encouraged to take INFO SYS 322 Introduction to Databases. Material in this course is covered on the Uniform CPA examination.
2. Students are highly encouraged to consider ACCT I S 640 Foundation in Accounting Analytics.
3. We recommend that non-MSABA students complete their internship in the summer.

Note: A student pursuing this plan may end up taking more credits to reach 150 total credits to be eligible to sit for the CPA exam.

PLAN 4: ACCOUNTING MAJOR WITH MSABA–NON-DIRECT ADMIT

Freshman

Fall	Credits	Spring	Credits
MATH 211 or 221	4-5	ECON 101 or 111	4
Communications Part A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	Literature	3
Humanities	3	Science	3
GEN BUS 106	1	Elective	4
Elective	1		
	15-16		**17-18**

Sophomore

Fall	Credits	Spring	Credits
ACCT I S 100	3	GEN BUS 307	3
GEN BUS 306	3	ACCT I S 211	3
GEN BUS 110	1	ACCT I S 301	3
M H R 300	3	GEN BUS 360	3
ECON 102 or 111	4	GEN BUS/DS 240, 250, or 308	2
OTM 300	3	Elective	3
	17		**17**

Junior

Fall	Credits	Spring	Credits
ACCT I S 302	3	PHILOS 241, 243, 341, or 441	3-4
ACCT I S 310	3	ACCT I S 620	3
Elective	3	GEN BUS 301	3
FINANCE/ECON 300	3	ACCT I S 340	3
MARKETNG 300	3	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322[1]	3
GEN BUS 250, 240, or 308	2		
	17		**15-16**

Senior

Fall	Credits	Spring	Credits
GEN BUS 400	3	ACCT I S 600 or 406	1-6
Science	3	Elective[2]	4
ACCT I S 401	3		
ACCT I S 630	3		
ACCT I S 621	3		
Elective	2		
	17		**5-10**

Total Credits 120-128

[1] Students are highly encouraged to take INFO SYS 322 Introduction to Databases. Material in this course is covered on the Uniform CPA examination.

[2] We recommend that MSABA students who complete an internship during the spring semester fulfill these elective credits outside of the spring semester (summer, online, AP credits, etc.).

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

*Students may direct questions about the graduate programs to Katharine Widlak (*katharine.widlak@wisc.edu*), director of the master's programs, or their academic or career advisor.*

CAREERS

The most common career paths in accounting include public and corporate accounting.

Public accountants work with clients to review or prepare financial documents. All areas of public accounting work together to inspect control processes and determine accuracy of financial information and compliance with laws, regulations, and generally accepted accounting principles.

They make recommendations regarding business decisions and company finances. Public accounting includes audit/assurance and tax.

Corporate accountants manage an organization's financials and provide expertise in financial reporting and control to assist management in forming and implementing business strategy. Corporate accounting is a broad term that can include many different functions, such as management accounting, internal audit, and financial analysis.

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

CERTIFIED PUBLIC ACCOUNTANT (CPA)

The state of Wisconsin, and most other states, mandate that candidates for the CPA license must have earned a bachelor's or higher degree and 150 credit hours. There are several degree options for completing these requirements at the University of Wisconsin – Madison, including:

1. Master of Science in Business: Accounting and Business Analysis (https://guide.wisc.edu/graduate/accounting-information-systems/business-accounting-business-analysis-ms/) (MSABA): Students who earn the MS in Business: Accounting and Business Analysis degree will meet the CPA requirements in most states. The MSABA is designed for students with an undergraduate major in accounting.
   a. **Integrated:** Students enrolled in and pursuing an undergraduate accounting major at UW-Madison can declare their candidacy for the integrated MSABA program at any time. The integrated program is designed as a 4+1 program whereby students will earn both a BBA degree with a major in accounting and a Masters of Science in Business: Accounting and Business Analysis. Students with sufficient credits may be able to complete the full program in as little as four years.
   b. **Stand-alone:** Students with, or currently pursuing, a four-year undergraduate business degree with a major in accounting, or equivalent, from an accredited university may pursue the stand-alone MSABA degree. Students should apply for the stand-alone program during their final year of undergraduate studies.
2. **Undergraduate Business Degree with Accounting Major (this program):** Students can meet the eligibility requirements for the CPA exam by completing a 120-credit BBA degree with a major in accounting along with 30-additional credits to meet the 150-credit requirement. Students pursuing this option should carefully consider the CPA eligibility requirements in the state in which they intend to get certified as many states will require additional accounting credits beyond what is included in the BBA accounting major. Students can earn the additional 30-credits as follows:
   a. **Advanced Credits from High School:** College credits earned in high school that are reflected on a student's UW-Madison transcript may count towards the 30-additional credits for CPA eligibility.
   b. **Double Major:** Students may pursue an additional undergraduate major to achieve the additional 30-credits for CPA eligibility.
   c. **Non-accounting Advanced Degree:** Students who earn an undergraduate degree with a major in accounting and any other advanced degree (specialized masters, MBA, Law School, etc.) may be eligible for the CPA exam as long as they have 150-total credits.
   d. **Undergraduate Credits:** Students may earn the additional 30-credits by taking any undergraduate courses at a degree-granting institution.

Please consult the Department of Accounting and Information Systems for additional information.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure in the following states:

Wisconsin

The requirements of this program do not meet certification/licensure in the following states:

Not applicable

Updated: 1 June 2025

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS - SCHOOL-WIDE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Business Fundamentals, Summer Certificate (p. 1410)
- Business, Certificate (p. 1411)
- Consulting, Certificate (p. 1412)
- International Business, Certificate (p. 1413)

BUSINESS FUNDAMENTALS, SUMMER CERTIFICATE

Admissions to the Business Fundamentals Summer Certificate have been suspended as of fall 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

The Summer Certificate in Business Fundamentals (https://business.wisc.edu/undergraduate/certificates/summer/) provides basic business education to students pursuing majors outside of the School of Business. The certificate is designed to be completed over multiple summer terms with in-person and online course options, making it a more flexible option for students seeking fundamental business knowledge. Knowledge gained through the Summer Certificate in Business Fundamentals aims to better prepare students for business-related careers upon graduation.

HOW TO GET IN

HOW TO GET IN

Admissions to the Business Fundamentals Summer Certificate have been suspended as of fall 2025 and will be discontinued as of fall 2029. If you have any questions, please contact the department.

The Summer Certificate in Business Fundamentals is not open to students declared in a major in the School of Business or the Certificate in Business (https://guide.wisc.edu/undergraduate/business/school-wide/business-certificate/).

To declare students must have completed 12 credits in residence at UW-Madison and have earned a minimum GPA of 2.75.

To declare the certificate, go to the Academic Forms (https://business.wisc.edu/undergraduate/academic-advising/#forms/) page and complete the Summer Certificate in Business Fundamentals declaration form.

REQUIREMENTS

REQUIREMENTS

Students are expected to take 9 of the 12 required credits in-residence during the summer term.

REQUIRED COURSES

Code	Title	Credits
ACCT I S 300	Accounting Principles [1]	3
or ACCT I S 100	Introductory Financial Accounting	
Select three of the following:		9
FINANCE/ECON 300	Introduction to Finance	
MARKETNG 300	Marketing Management	
M H R 300	Managing Organizations	
OTM 300	Operations and Supply Chain Management	
R M I 300	Principles of Risk Management	
Total Credits		**12**

[1] Students are strongly encouraged to take ACCT I S 300, unless ACCT I S 100 is required by their major.

QUALITY OF WORK

A minimum 2.000 GPA on required certificate coursework. Completed courses listed within the certificate curriculum, whether or not they meet a specific requirement, are included in the calculation of the GPA.

A minimum grade of C must be earned in each course.

9 of the 12 required credits must be taken in-residence (UW-Madison on-campus, study abroad, or distance courses).

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Describe basic business measurement as conveyed through accounting methods and reports. Read and interpret a balance sheet and income statement.
2. Describe the basic risk and return relationship and the use of diversification to manage overall risk.
3. Identify and describe basic business strategy and processes.
4. Measure and interpret cost benefit analysis including consideration of time value of money concepts.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who have declared the Summer Certificate in Business Fundamentals will be assigned to the School of Business Certificate Advising Committee.

BUSINESS, CERTIFICATE

The Certificate in Business (https://business.wisc.edu/undergraduate/certificates/business/) (CIB) program provides non-business students the opportunity to earn a concentration in a clearly defined academic program in business. The coursework allows students to develop a foundational understanding of business and apply this to their specific field, such as international studies or engineering. In addition to careers related to their own fields, students who earn the certificate have also found job opportunities in management, marketing, and other business fields.

HOW TO GET IN

HOW TO GET IN

The Certificate in Business (CIB) is open to undergraduate students declared in a major outside of the School of Business. To declare, students must have completed 24 credits in residence at UW-Madison or 12 credits in residence for transfer students and have earned a minimum GPA of 3.00.

To declare the CIB, complete the declaration form linked within the Contact Information box.

REQUIREMENTS

To be eligible to declare students must meet the following requirements:

- 24 degree credits completed in residence at time of declaration (12 degree credits for transfer students)
- 3.00 minimum cumulative GPA at UW-Madison
- Currently enrolled UW–Madison student
- Undergraduate, degree-seeking student (non-business)
- Must be declared in a major at UW Madison

Admitted students will be charged a $150 tuition differential until degree completion/graduation. The tuition differential provides CIB students access to School of Business resources, including career coaches and academic advisors within the Undergraduate Program.

REQUIREMENTS

REQUIREMENTS

The Certificate in Business (CIB) program consists of 18 credits (three core courses and an additional 9 credits of elective coursework). Students are also responsible for any pre-requisite courses needed for core or elective courses. Specific pre-requisites for each course can be found by clicking on the hyperlinked courses below or by searching for the course in Guide.

Students must take at least 12 of the 18 required credits in residence at UW–Madison. Study abroad courses taken through a UW–Madison-sponsored program will count toward the 12 credits in residence.

Students must maintain a 2.50 GPA in all CIB coursework.

REQUIRED COURSES

Code	Title	Credits
Core		
ACCT I S 300	Accounting Principles [1]	3
or ACCT I S 100	Introductory Financial Accounting	
or GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3
or M H R 300	Managing Organizations	
Choose one of the following:		3
FINANCE/ECON 300	Introduction to Finance	
MARKETNG 300	Marketing Management	
OTM 300	Operations and Supply Chain Management	
REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process	
R M I 300	Principles of Risk Management	
CIB Elective Coursework		
Elective courses must be School of Business courses (ACCT I S, ACT SCI, FINANCE, GEN BUS, INFO SYS, INTL BUS, M H R, MARKETNG, OTM, REAL EST, or R M I) or courses cross-listed with the School of Business. Courses taken at another institution must be directly equivalent to a UW-Madison business course and title (i.e., not elective credit).		9
Total Credits		**18**

Note: Due to pre-requisites for some of the required courses, total credits to complete the Certificate in Business may be more than 18.

[1] Students are strongly encouraged to take GEN BUS 310 or ACCT I S 300, unless ACCT I S 100 is required by their major. Please note, however, that ACCT I S 100 is a requirement for many other upper-level accounting and finance courses, including FINANCE/ECON 300. Students planning to take additional accounting or finance courses should consult with the CIB advisor.

EXCLUSIONS

The following courses **may not be used** to satisfy the CIB Elective Coursework requirement:

Code	Title	Credits
GEN BUS 110	Personal and Professional Foundations in Business	1
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3

GEN BUS 360	Workplace Writing and Communication	3
GEN BUS 400	Integrated Strategic Leadership	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply accounting principles to develop decision-useful accounting information that supports implementation of organizational strategy.
2. Know and be able to illustrate how organizational success is a function of strategy, organizational culture, human resource management, leadership, teams, structure, managing change, and entrepreneurship.
3. Identify and describe basic business strategy and processes through variable course options and focus areas including marketing, real estate, risk management, operations and supply chain management, finance, and other key areas in business

ADVISING AND CAREERS

ADVISING AND CAREERS

Students admitted to the Certificate in Business (CIB) will be assigned to the Business Certificate Advising and Career committees. Further information can be found on the School of Business website (https://business.wisc.edu/undergraduate/certificates/business/).

CONSULTING, CERTIFICATE

The Consulting Certificate from the School of Business helps students develop a consultative process and mindset that integrates critical skills in the areas of project management, business communication, advanced analytics and/or strategy and technology. The Consulting Certificate will prepare students to seek answers to questions in order to define the problem, gather necessary data and information, convert the information into decisions, and successfully communicate that answer in a form appropriate to the audience. Upon completion of the certificate, students will understand how businesses operate, how to communicate successfully with others in business, and will be familiar with the concept of business goals and objectives. This perspective is central to the design and differentiation of our certificate. The goal of this certificate program is to be an add-on to any undergraduate major at UW-Madison so students can apply their major to the field of consulting.

HOW TO GET IN

HOW TO GET IN

The consulting certificate is open to UW-Madison undergraduate students. Space in the consulting certificate program is limited so an application is required to be accepted into the program. To find out more about the application process for this certificate, please visit the Undergraduate Certificate (https://business.wisc.edu/undergraduate/certificates/) page of the School of Business.

REQUIREMENTS

REQUIREMENTS

REQUIRED COURSES

Code	Title	Credits
Core		
GEN BUS 370	Case Interview Analysis	1
OTM 452	Project Management	3
Consulting Foundation		**3**
Complete one course from the following:		
M H R 412	Management Consulting	
M H R 423	Strategic Management	
OTM 351	Business Process Improvement	
Analytical Thinking		**3**
Complete one course from the list below.		
Additional Coursework		**3**
Complete another Consulting Foundation, Analytical Thinking or Elective Course (listed below).		
Total Credits		**13**

Analytical Thinking Course Options

Code	Title	Credits
ACCT I S 640	Foundation in Accounting Analytics	3
ACT SCI 655	Health Analytics	3
I SY E 412	Fundamentals of Industrial Data Analytics	3
I SY E 516	Introduction to Decision Analysis	3
I SY E 620	Simulation Modeling and Analysis	3
INFO SYS 423	Digital Platform Analytics	3
M H R 614	People Analytics	3
OTM 453	Operations Analytics	3
R M I 660	Risk Analytics and Behavioral Science	3

Elective Course Options

Code	Title	Credits
INFO SYS 322	Introduction to Databases	3
I SY E 313	Engineering Economic Analysis	3
I SY E 515	Engineering Management of Continuous Process Improvement	3
I SY E 520	Quality Assurance Systems	3
I SY E 604	Special Topics in Manufacturing and Supply Chain Management	3
M H R 322 or M H R 422	Introduction to Entrepreneurship Advanced Entrepreneurship	3
M H R 401	Leading Teams	3
M H R 420	Leading Change in Organizations	3
M H R 628	Negotiations	3
OTM 351	Business Process Improvement	3
OTM/ MARKETNG 421	Fundamentals of Supply Chain Management	3

OTM/ MARKETNG 427	Information Technology in Supply Chains	3
OTM 451	Service Operations Management	3
R M I 650	Sustainability, Environmental and Social Risk Management	3
R M I 655	Risk Financing Techniques	3
R M I 670	Cyber Risk & Regulations	3

A minimum 3.0 GPA must be earned on all course work used to meet the requirements (13 credits) of the certificate program. All certificate credits must be earned in residence at UW-Madison.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply critical thinking skills to complex real-world problems to develop strategies and make actionable recommendations to solve business issues based on a variety of important analytical tools and techniques.
2. Develop case analysis skills in diagnosing business issues and managerial problems, propose workable solutions, and explain and defend solutions.
3. Apply and evaluate project management techniques, and have a basic understanding of the formal and informal tools available to manage time, resources, and stakeholders in executing a project.
4. Develop and practice aspects of successful communication: writing, presenting, and listening. A theoretical foundation provides a method of deep audience analysis; apply that analysis when producing a variety of written genres and when preparing content for formal presentation.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who have declared the Consulting Certificate will be assigned a School of Business academic advisor and career coach.

INTERNATIONAL BUSINESS, CERTIFICATE

The Certificate in International Business helps students develop an understanding of the global macroeconomic environment and the complexities of cross-border transactions. International Business is an interdisciplinary field and courses focus on knowledge acquisition as well as application of concepts. The embedded study abroad requirement helps students develop cross-cultural awareness and skills, and gain a regional perspective that often underpins successful adaptation for local markets.

International business careers span industries and economic sectors, as well as business functions and geographies, and often include domestic positions with global scope. Positions in international business involve strategy, leadership, research, government relations, creativity, technical expertise, and cultural fluency.

HOW TO GET IN

HOW TO GET IN

To declare this certificate, students must be admitted to UW–Madison and the School of Business (WSB). To find out more about the school's admissions process for undergraduate students, please see Entering the School (https://guide.wisc.edu/undergraduate/business/#enteringtheschooltext). Contact the Wisconsin BBA Advising Center listed under the Advising and Careers tab for more information or to declare the certificate.

Students may not earn this certificate in conjunction with the BBA in Business: International Business, and/or the exclusively online BBAs in Business Administration-Human Resources, Business Administration-Management, and Business Administration-Marketing.

REQUIREMENTS

REQUIREMENTS

A minimum 2.000 GPA must be earned on required certificate coursework. Completed courses listed within the certificate curriculum, whether or not they meet a specific requirement, are included in the calculation of the GPA.

At least 50% of the certificate credits must be earned in residence at UW-Madison as a degree-seeking undergraduate. All certificate courses must be graded; credit/no credit and pass/fail do not qualify.

Completion of INTL BUS 200 International Business, a required course for this certificate, satisfies one of the business signature courses needed for the BBA.

Code	Title	Credits
Core		
INTL BUS 200	International Business	3
INTL BUS 450	Study Abroad in International Business (This course must be taken prior to the required study abroad semester. The study abroad requirement must be satisfied through an approved program.)	1
6 Additional Credits of INTL BUS: A maximum of 3 credits of INTL BUS 365 Contemporary Topics can be applied to this 6 credit requirement.		6
Global Interdisciplinary Perspective (choose one)		**3**
ANTHRO 104	Cultural Anthropology and Human Diversity	
GEOG 340	World Regions in Global Context	
INTL ST 101	Introduction to International Studies	

POLI SCI 140	Introduction to International Relations	
Total Credits		**13**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply international business theories and concepts to a variety of business situations.
2. Formulate business strategies appropriate to global, regional and local contexts.
3. Demonstrate the skills necessary for successful cross-cultural adaptation into a host country.

ADVISING AND CAREERS

ADVISING AND CAREERS

CAREERS

The perspective, intercultural awareness, and regional knowledge gained through the study of international business is always relevant, but has greatest career impact several years into one's career. Therefore, the Certificate in International Business is designed to serve as a complement to a business major. International business careers develop after graduates first develop skills and expertise in a functional area of business, which drives initial career placement and advancement.

Careers in international business are not necessarily located oversees or even in major cities. Many positions are in U.S.-based offices or divisions of international firms.

FINANCE

The finance curriculum prepares students for a wide variety of career pathways including corporate finance, the investments and securities industry, the management of financial institutions including banks and insurance companies, and the evolving financial technology sector. The theory of finance and its applications are emphasized. Students learn about: security analysis and valuation, security trading, financial markets and government policies, financial forecasting, capital structure, financial risk management, venture capital, security issuance, international finance and financial technology.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Business: Finance, Investment, and Banking, BBA (p. 1414)

BUSINESS: FINANCE, INVESTMENT, AND BANKING, BBA

The finance, investment, and banking (https://business.wisc.edu/undergraduate/majors/finance-investment-banking/) curriculum prepares students for a wide variety of career pathways including corporate finance, the investments and securities industry, the management of financial institutions including banks and insurance companies, and the evolving financial technology sector. The theory of finance and its applications are emphasized. Students learn about security analysis and valuation, security trading, financial markets and government policies, financial forecasting, capital structure, financial risk management, venture capital, security issuance, international finance, and financial technology.

A significant part of the coursework teaches students to understand risk and uncertainty, both at an intuitive level and at a technical level. More important, students learn to construct models of financial decisions—e.g., an investor's portfolio choice problem, the issuance of securities by corporations, and the structure of financial investments by banks.

RELATED STUDENT ORGANIZATIONS

Capital Management Club (https://www.cmc-uwmadison.com/)
Corporate Finance Club (https://www.corporatefinanceclubuw.com/)
Fantasy Sports & Finance Club (https://win.wisc.edu/organization/fsf/)
Finance & Investment Society (https://win.wisc.edu/organization/fiswisconsin/)
Investment Banking Club (https://win.wisc.edu/organization/ibc/)
Sales & Trading and Asset Management Society (https://www.stamwisconsin.com/)
Wealth Management Group (https://www.badgerwmg.org/)
Women in Finance and Accounting (https://win.wisc.edu/organization/WIFA/)
Wisconsin Private Equity Club (https://www.wisconsinpeclub.com/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Finance, Investment and Banking cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: FINANCE, INVESTMENT AND BANKING MAJOR REQUIREMENTS

See the Advising and Careers tab (p. 1417) for helpful progression advice or the Four-Year Plan tab (p. 1416) to see a sample of how to graduate in four years.

Code	Title	Credits
MATH 213	Survey of Calculus 2	3
or MATH 222	Calculus and Analytic Geometry 2	
ACCT I S 301	Financial Reporting I	3
FINANCE 200	Finance Industry Fundamentals	1
FINANCE 305	Financial Markets, Institutions and Economic Activity	3
FINANCE/ ECON 320	Investment Theory	3
FINANCE 325	Corporation Finance	3
FINANCE 330	Derivative Securities	3
Complete two 3-credit Finance courses numbered above 330		6
Total Credits		**25**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply proper controls and best practices in the governance of modern organizations while recognizing the impact of finance on business and society.
2. Explain the workings of financial markets, the role of financial intermediaries, and market mechanisms to create and trade securities.
3. Evaluate the risk and return of financial securities and transactions.
4. Interpret models of asset pricing and demonstrate how to value financial securities.
5. Learn and apply best practices in data-driven decisions about investments, financing and payout policies, corporate restructuring, and risk management.
6. Identify the role of financial technology in shaping the financial system and financial operations.
7. Formulate a comprehensive financial plan for individuals or business entities.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Please use this recommended course sequencing guide as a reference point as you work with your academic advisor to plan your schedule throughout your BBA experience. This guide is intended for students whose primary major and career interests are in finance. Many business breadth and core finance courses are recommended early on so that students are prepared for the internship interview process which begins as early as sophomore year. There are several factors that may impact your optimal course sequencing plan, so please consult with your academic advisor.

Freshman

Fall	Credits	Spring	Credits
MATH 211 or 221	4-5	MATH 213 or 222	3-4
ECON 101 or 111	4	ECON 102 or 111	4
FINANCE 200	1	GEN BUS 306	3
GEN BUS 110	1	ACCT I S 100	3
GEN BUS 106	1	Ethnic Studies	3
Communications A	3		
	14-15		**16-17**

Sophomore

Fall	Credits	Spring	Credits
FINANCE/ECON 300	3	FINANCE/ECON 320	3
FINANCE 305	3	FINANCE 330	3
GEN BUS 307	3	ACCT I S 301	3
PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4	GEN BUS 360	3
GEN BUS/DS 240, 250, or 308	2	Humanities	3
	14-15		**15**

Junior

Fall	Credits	Spring	Credits
FINANCE 325	3	MARKETNG 300, M H R 300, or OTM 300	3
OTM 300	3	Literature	3
M H R 300	3	Elective	3
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322 (Take One)	3	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
ACCT I S 211	3	GEN BUS 250, 240, or 308	2
	15		**14-15**

Senior

Fall	Credits	Spring	Credits
Finance Elective[1]	3	Finance Elective[1]	3
GEN BUS 301	3	Science	3
GEN BUS 400	3	Elective	4
Science	3	Elective	3
Elective	4	Elective	3
	16		**16**

Total Credits 120-124

[1] This can be any 3 credit FINANCE course numbered above 330.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

PLANNING FOR THE FINANCE MAJOR

In preparation for completing the major requirements for the Finance major, taking these courses early will help you graduate in a timely fashion.

Code	Title	Credits
Prior to your third year, complete:		
FINANCE/ ECON 300	Introduction to Finance	3
GEN BUS 307	Business Analytics II [1]	3
ACCT I S 301	Financial Reporting I	3
Prior to enrolling in FINANCE 325 take:		
ACCT I S 301	Financial Reporting I	3
Prior to enrolling in FINANCE/ECON 320, FINANCE 325, or FINANCE 330, plan to take:		
FINANCE/ ECON 300	Introduction to Finance	3
MATH 213	Survey of Calculus 2	3
or MATH 222	Calculus and Analytic Geometry 2	
GEN BUS 307	Business Analytics II (can be taken concurrently) [1]	3
Prior to taking upper-level Finance electives (and before senior year), complete the Finance Core:		
FINANCE 305	Financial Markets, Institutions and Economic Activity	3

FINANCE/ ECON 320	Investment Theory	3
FINANCE 325	Corporation Finance	3
FINANCE 330	Derivative Securities	3
Other guidance:		
It is recommended to take FINANCE/ECON 320 before or concurrently with FINANCE 330; FINANCE 330 is the most quantitatively challenging of the three required courses beyond principles.		
If the mathematics requirement has not been completed prior to admission to the School of Business, then you must take MATH 213 or MATH 222 as early as possible.		
Prior to your summer internship it can be useful to complete certain finance electives that match your internship and/or career focus area. Please discuss with your advisor.		

[1] Students pursuing an additional major in Actuarial Science or Economics may opt for a different Business Analytics course. The approved list are detailed on the School of Business Requirements (p. 1399) page.

CAREERS

Finance is the integration of time, returns and risk and how they are interrelated. Two pressing questions in finance are:

- What do I invest in?
- How do I pay for it?

Organizations that focus on finance include banks, credit card companies, insurance companies, consumer finance companies, corporations, stock brokerages, investment funds, government sponsored enterprises, education, and individuals.

Students may pursue careers in many different industries, including but not limited to:

- Commercial and retail banking
- Corporate finance
- Investment banking
- Investment management
- Investment research
- Global markets (sales and trading)
- Financial technology/cryptocurrency
- Wealth management and financial planning

Find more details about these industries on the BBA Finance website (https://business.wisc.edu/undergraduate/majors/finance-investment-banking/).

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

INTERNATIONAL BUSINESS

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Business: International Business, BBA (p. 1418)

BUSINESS: INTERNATIONAL BUSINESS, BBA

Admissions to the Business: International Business, BBA is suspended as of fall 2023 and will be discontinued as of fall 2028. Students interested in this area of study should pursue the new Certificate in International Business (p. 1413).

The international business (https://business.wisc.edu/undergraduate/majors/international-business/) major helps students develop an understanding of the global macroeconomic environment and the complexities of cross-border transactions. International business is an interdisciplinary field and courses focus on knowledge acquisition as well as application of concepts. A selected regional emphasis provides a platform to gain language and area studies knowledge that often underpins successful adaptation for regional and local markets. The embedded study abroad requirement helps students develop cross-cultural awareness and skills.

International business careers span industries and economic sectors, and business functions and geographies, and often include domestic positions with global scope. Positions in international business involve strategy, leadership, research, government relations, creativity, technical expertise, and cultural fluency.

HOW TO GET IN

HOW TO GET IN

Admissions to the Business: International Business, BBA is suspended as of fall 2023 and will be discontinued as of fall 2028. Students interested in this area of study should pursue the new Certificate in International Business (p. 1413).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world.

Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: INTERNATIONAL BUSINESS MAJOR REQUIREMENTS

International business responsibilities and careers typically arise after graduates first develop skills in a functional area of business, such as marketing, finance, management and operations. This functional expertise typically drives initial career placement and advancement. Therefore, the international business major must be paired with another major within the School of Business.

Some international business issues are global in nature, but many challenges and opportunities faced by multinational firms are regional and local in nature and often arise due to differences in institutions, politics and cultures among nations. This 'glocal' reality means that international business leaders must possess both global and local awareness. To develop some perspective on regional and local cultural issues, international business majors select a geographic region of emphasis and select language and area studies courses accordingly. Studying abroad on an approved program in the selected region of emphasis for one fall or spring semester is also required for the major.

A student must complete a minimum of 24 credits, distributed as follows:

Code	Title	Credits
Required Course		
INTL BUS 200	International Business	3
International Business Coursework		
Select 9 credits from the following. A minimum of 3 credits must be from the International Business (INTL BUS) department.		9
INTL BUS/ GEN BUS 320	Intercultural Communication in Business	
INTL BUS 365	Contemporary Topics	
INTL BUS/ M H R 403	Global Issues in Management	
INTL BUS/ MARKETNG 420	Global Marketing Strategy	
INTL BUS/ FINANCE 445	Multinational Business Finance	
INTL BUS/A A E/ ECON 462	Latin American Economic Development	
A A E/ INTL ST 373	Globalization, Poverty and Development	
A A E/ INTL ST 374	The Growth and Development of Nations in the Global Economy	
ECON 309	Study Abroad in Intermediate Economics	
ECON 409	Study Abroad in Advanced Economics	
ECON 464	International Trade	
ECON 467	International Industrial Organizations	
ECON/A A E 473	Economic Growth and Development in Southeast Asia	
ECON/A A E 474	Economic Problems of Developing Areas	
Global Interdisciplinary Perspective		
Select one course from the following:		3
GEOG 340	World Regions in Global Context	
INTL ST 101	Introduction to International Studies	
ANTHRO 104	Cultural Anthropology and Human Diversity	
POLI SCI 140	Introduction to International Relations	
Coursework in Foreign Language and Area Studies		
Select 9 credits of approved coursework for the specified region (found below)		9
Semester Abroad		
Complete a semester abroad on an approved program within the region of emphasis selected (found below)		
Total Credits		**24**

REGIONS OF EMPHASIS

Students must take 9 credits of language or area studies courses applicable to the region of emphasis. It is recommended to take at least one 3 credit language course applicable to your study abroad destination

(unless the official language of that nation is English). Students must also choose a study abroad program that aligns with their region of emphasis.

AFRICA

Study Abroad Programs

- South Africa, Cape Town: Univ of Cape Town Exchange (ISP-CPTOWN)

Language Courses

Code	Title	Credits
Arabic		
AFRICAN 321	First Semester Arabic	
AFRICAN 322	Second Semester Arabic	
AFRICAN 323	Third Semester Arabic	
AFRICAN 324	Fourth Semester Arabic	
AFRICAN 329	Fifth Semester Arabic	
AFRICAN 330	Sixth Semester Arabic	
Hausa		
AFRICAN 361	First Semester Hausa	
AFRICAN 362	Second Semester Hausa	
Swahili		
AFRICAN 331	First Semester Swahili	
AFRICAN 332	Second Semester Swahili	
AFRICAN 333	Third Semester Swahili	
AFRICAN 334	Fourth Semester Swahili	
Wolof		
AFRICAN 391	First Semester-A Language of West Africa	
AFRICAN 392	Second Semester-A Language of West Africa	
AFRICAN 393	Third Semester-A Language of West Africa	
AFRICAN 394	Fourth Semester-A Language of West Africa	
Zulu		
AFRICAN 335	First Semester-A Language of Southern Africa	
AFRICAN 336	Second Semester-A Language of Southern Africa	

Area Studies Courses

Code	Title	Credits
A A E/ECON 477	Agricultural and Economic Development in Africa	3
AFRICAN 100	Introduction to African Cultural Expression	3
AFRICAN/ HISTORY 129	Africa on the Global Stage	3-4
AFRICAN 201	Introduction to African Literature	3
AFRICAN/ FOLKLORE 210	The African Storyteller	3
AFRICAN 212	Introduction to African Popular Culture	3
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal	3
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFRICAN 300	African Literature in Translation	3
AFRICAN 303	African Literature and Visual Culture	3
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
AFRICAN 402	Theory of African Literature	3-4
AFRICAN 405	Topics in African Cultural Studies	3
AFRICAN 412	Contemporary African Fiction	3
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	3-4
AFRICAN/ FRENCH 440	African/Francophone Film	3
AFRICAN/ PORTUG 451	Lusophone African Literature	3
AFRICAN 605	Advanced Topics in African Cultural Studies	3
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	3
AFROAMER/ DANCE/MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama	3-4
AFROAMER 675	Selected Topics in Afro-American Culture	3
DANCE 118	African Dance	1
DANCE/ THEATRE 218	African Dance Performance	2
GEOG 355	Africa, South of the Sahara	3
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	3
POLI SCI 329	African Politics	3-4

EAST ASIA

Study Abroad Programs

- China, Beijing: Tsinghua University Exchange (ISP-TSIBUS)
- Hong Kong: City U Hong Kong Exchange (ISP-CITHKB)
- Hong Kong: Hong Kong Univ Sci & Tech Exch (ISP-HKUSTB)
- Japan, Tokyo: Sophia University Exchange (ISP-SOPHIA)
- South Korea, Seoul: Yonsei University Exchange (ISP-SEOYON)

Language Courses

Code	Title	Credits
Chinese		
ASIALANG 101	First Semester Chinese	
ASIALANG 102	Second Semester Chinese	
ASIALANG 110	Elementary Chinese I	
ASIALANG 111	Elementary Chinese II	
ASIALANG 201	Third Semester Chinese	
ASIALANG 202	Fourth Semester Chinese	
ASIALANG 301	Fifth Semester Chinese	
ASIALANG 302	Sixth Semester Chinese	
ASIALANG 378	Chinese Conversation	
ASIALANG 379	Business Chinese	
ASIALANG 401	Seventh Semester Chinese	
ASIAN 371	Topics in Chinese Literature	
ASIAN 372	Topics in Chinese: Study Abroad	
ASIAN 375	Survey of Chinese Film	
ASIAN 432	Introduction to Chinese Linguistics	
ASIAN 631	History of the Chinese Language	
ASIAN 641	History of Chinese Literature I	
ASIAN 672	Studies in Chinese Fiction	
ASIAN 712	Teaching of Chinese	
Japanese		
ASIALANG 103	First Semester Japanese	
ASIALANG 104	Second Semester Japanese	
ASIALANG 113	First Semester Elementary Japanese	
ASIALANG 114	Second Semester Elementary Japanese	
ASIALANG 203	Third Semester Japanese	
ASIALANG 204	Fourth Semester Japanese	
ASIALANG 303	Fifth Semester Japanese	
ASIALANG 304	Sixth Semester Japanese	
ASIALANG 376	Japanese Conversation	
ASIALANG 377	Business Japanese Communication	
ASIALANG 403	Seventh Semester Japanese	
ASIAN 355	Modern Japanese Literature	
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	
ASIAN 358	Language in Japanese Society	
ASIAN 361	Love and Politics: The Tale of Genji	
ASIAN 373	Topics in Japanese: Study Abroad	
ASIAN 434	Introduction to Japanese Linguistics	
ASIAN 573	Readings in Classical Japanese Literature	
Korean		
ASIALANG 105	First Semester Korean	
ASIALANG 106	Second Semester Korean	
ASIALANG 205	Third Semester Korean	
ASIALANG 206	Fourth Semester Korean	
ASIALANG 305	Fifth Semester Korean	
ASIALANG 306	Sixth Semester Korean	
ASIALANG 405	Seventh Semester Korean	
ASIALANG 406	Eighth Semester Korean	

Area Studies Courses

Code	Title	Credits
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ART HIST 411	Topics in Asian Art	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST 575	Proseminar in Japanese Art	3
ART HIST 576	Proseminar in Chinese Art	3
ASIAN/ HISTORY 103	Introduction to East Asian History: China	3-4
ASIAN/ HISTORY 104	Introduction to East Asian History: Japan	3-4
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN 277	Kendo: Integration of Martial Arts and Liberal Arts	2
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN/HISTORY 341	History of Modern China, 1800-1949	3-4
ASIAN/ HISTORY 342	History of the Peoples Republic of China, 1949 to the Present	3-4
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 375	Survey of Chinese Film	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN/ HISTORY 454	Samurai: History and Image	3-4
ASIAN/ HISTORY 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
ASIAN 563	Readings in Modern Japanese Literature	3
ASIAN 672	Studies in Chinese Fiction	3
HISTORY/ASIAN 108	Introduction to East Asian History - Korea	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
LITTRANS 261	Survey of Chinese Literature in Translation	3

LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
POLI SCI 346	China in World Politics	3-4
THEATRE 526	The Theatres of China and Japan	3

LATIN AMERICA AND THE CARIBBEAN

Study Abroad Programs

- Argentina, Buenos Aires: IES Buenos Aires LA Soc & Cult (ISP-IESARG)

Language Courses

Code	Title	Credits
Spanish		
SPANISH 101	First Semester Spanish	
SPANISH 102	Second Semester Spanish	
SPANISH 203	Third Semester Spanish	
SPANISH 204	Fourth Semester Spanish	
SPANISH 223	Introduction to Hispanic Cultures	
SPANISH 224	Introduction to Hispanic Literatures	
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar	
SPANISH 311	Advanced Language Practice	
SPANISH 319	Topics in Spanish Language Practice	
SPANISH 320	Spanish Phonetics	
SPANISH 321	The Structure of Modern Spanish	
SPANISH 322	Survey of Early Hispanic Literature	
SPANISH 324	Survey of Modern Spanish Literature	
SPANISH 325	Advanced Conversation	
SPANISH 326	Survey of Spanish American Literature	
SPANISH 359	Spanish Business Area Studies	
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)	
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages	
SPANISH 435	Cervantes	
SPANISH 453	Literature of the Twentieth Century	
SPANISH 460	Spanish American Literature	
SPANISH 461	The Spanish American Short Story	
SPANISH 464	Spanish American Poetry and Essay	
SPANISH/ CHICLA 467	US Latino Literature	
SPANISH 468	Topics in Hispanic Culture	
SPANISH/ CHICLA 469	Topics in Latinx Culture	
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics	
SPANISH 472	Hispanic Screen Studies	
SPANISH 473	Study Abroad in Spanish Language Practice	
SPANISH 474	Study Abroad in Spanish Linguistics	
SPANISH 475	Study Abroad in Hispanic Literatures	
SPANISH 476	Study Abroad in Hispanic Cultures	
SPANISH/ CHICLA 478	Border and Race Studies in Latin America	
SPANISH/ MEDIEVAL 503	Survey of Medieval Literature	
SPANISH/ MEDIEVAL 541	Old Spanish	
SPANISH 545	College Teaching of Spanish	
SPANISH 564	Theory and Practice of Hispanic Theatre	
SPANISH 630	Topics in Hispanic Linguistics	
SPANISH 681	Senior Honors Thesis	
SPANISH 682	Senior Honors Thesis	
SPANISH 691	First Semester Senior Thesis	
SPANISH 692	Second Semester Senior Thesis	
SPANISH 699	Directed Study	
Portuguese		
PORTUG 101	First Semester Portuguese	
PORTUG 102	Second Semester Portuguese	
PORTUG 201	Third Semester Portuguese	
PORTUG 202	Fourth Semester Portuguese	
PORTUG 221	Introduction to Luso-Brazilian Literatures	
PORTUG 225	Third Year Conversation and Composition	
PORTUG 226	Third Year Conversation and Composition	
PORTUG 301	Intensive Portuguese	
PORTUG 302	Intensive Portuguese	
PORTUG 311	Fourth Year Composition and Conversation	
PORTUG 312	Fourth Year Composition and Conversation	
PORTUG 330	History of the Portuguese Language	
PORTUG 411	Survey of Portuguese Literature before 1825	
PORTUG/ FRENCH/ ITALIAN/ SPANISH 429	Introduction to the Romance Languages	
PORTUG/ GEN&WS 450	Brazillian Women Writers	
PORTUG/ AFRICAN 451	Lusophone African Literature	
PORTUG 467	Survey of Portuguese Literature since 1825	
PORTUG 468	Survey of Brazilian Literature since 1890	
PORTUG 640	Topics in Luso-Brazilian Literature	
Quechua		

LACIS/ ANTHRO 361	Elementary Quechua
LACIS/ ANTHRO 362	Elementary Quechua
LACIS/ ANTHRO 363	Intermediate Quechua
LACIS/ ANTHRO 364	Advanced Quechua
Yucatec Maya	
LACIS/ ANTHRO 376	First Semester Yucatec Maya
LACIS/ ANTHRO 377	Second Semester Yucatec Maya

Area Studies Courses

Code	Title	Credits
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama	3-4
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	3
GEN&WS/ PORTUG 450	Brazillian Women Writers	3
GEN&WS/ PORTUG 460	Carmen Miranda	3
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
LACIS/AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies	1-4
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	3
LITTRANS 252	Spanish Literary Masterpieces in Translation	3
POLI SCI/CHICLA/ HISTORY 422	Latino History and Politics	3
POLI SCI/ INTL ST 431	Contentious Politics	3-4
PORTUG 221	Introduction to Luso-Brazilian Literatures	4
PORTUG 330	History of the Portuguese Language	3
PORTUG 361	Portuguese Civilization	3
PORTUG 362	Brazilian Civilization	3
PORTUG 467	Survey of Portuguese Literature since 1825	3
PORTUG 468	Survey of Brazilian Literature since 1890	3
PORTUG 573	Topics in Portuguese: Study Abroad	1-6
PORTUG 640	Topics in Luso-Brazilian Literature	3
PORTUG 642	Topics in Luso-Brazilian Culture	3
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SPANISH 223	Introduction to Hispanic Cultures	3
SPANISH 224	Introduction to Hispanic Literatures	3
SPANISH 324	Survey of Modern Spanish Literature	3
SPANISH 326	Survey of Spanish American Literature	3
SPANISH 359	Spanish Business Area Studies	3
SPANISH 361	Spanish Civilization	3
SPANISH 363	Spanish American Civilization	3
SPANISH 435	Cervantes	3
SPANISH 453	Literature of the Twentieth Century	3
SPANISH 460	Spanish American Literature	3
SPANISH 461	The Spanish American Short Story	3
SPANISH 464	Spanish American Poetry and Essay	3
SPANISH 468	Topics in Hispanic Culture	3
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics	3
SPANISH 472	Hispanic Screen Studies	3
SPANISH 475	Study Abroad in Hispanic Literatures	1-4
SPANISH 476	Study Abroad in Hispanic Cultures	1-4

MIDDLE EAST

Study Abroad Programs

- Israel, Tel Aviv: Tel Aviv University (ISP-AVIV)

Language Courses

Code	Title	Credits
Arabic		
AFRICAN 321	First Semester Arabic	
AFRICAN 322	Second Semester Arabic	
AFRICAN 323	Third Semester Arabic	
AFRICAN 324	Fourth Semester Arabic	
AFRICAN 329	Fifth Semester Arabic	
AFRICAN 330	Sixth Semester Arabic	
Hebrew		
HEBR-MOD 101	First Semester Hebrew	
HEBR-MOD 102	Second Semester Hebrew	
HEBR-MOD 201	Third Semester Hebrew	
HEBR-MOD 202	Fourth Semester Hebrew	
HEBR-MOD/ JEWISH 302	Introduction to Hebrew Literature	
Turkish		

GNS 339	First Semester Turkish
GNS 340	Second Semester Turkish
GNS 439	Third Semester Turkish
GNS 440	Fourth Semester Turkish
GNS 539	Fifth Semester Turkish and Azeri
GNS 540	Sixth Semester Turkish and Azeri
Persian	
ASIALANG 137	First Semester Persian
ASIALANG 138	Second Semester Persian
ASIALANG 237	Third Semester Persian
ASIALANG 238	Fourth Semester Persian
ASIALANG 337	Fifth Semester Persian
ASIALANG 338	Sixth Semester Persian

Area Studies Courses

Code	Title	Credits
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST 440	Art and Power in the Arab World	3
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
INTL ST 266	Introduction to the Middle East	3
JEWISH/ LITTRANS 318	Modern Jewish Literature	3-4
JEWISH 356	Jerusalem, Holy City of Conflict and Desire	3
POLI SCI/ JEWISH 341	Israeli Politics and Society	3-4
POLI SCI 529	Arab-Israeli Conflict	3-4

RUSSIA, EASTERN EUROPE & CENTRAL ASIA

Study Abroad Programs

- Czech Republic, Prague: CET Academic Prog Prague (ISP-PRAGCZ)

Language Courses

Code	Title	Credits
Czech		
SLAVIC 115	First Semester Czech	
SLAVIC 116	Second Semester Czech	
SLAVIC 217	Third Semester Czech	
SLAVIC 218	Fourth Semester Czech	
SLAVIC 351	First Semester Intensive Czech	
SLAVIC 352	Second Semester Intensive Czech	
SLAVIC 452	Fourth Semester Intensive Czech	
Kazakh		
GNS 331	First Semester Kazakh	
GNS 332	Second Semester Kazakh	
GNS 431	Third Semester Kazakh	
GNS 432	Fourth Semester Kazakh	
GNS 531	Fifth Semester Kazakh	
GNS 532	Sixth Semester Kazakh	
Polish		
SLAVIC 111	First Semester Polish	
SLAVIC 112	Second Semester Polish	
SLAVIC 207	Third Semester Polish	
SLAVIC 208	Fourth Semester Polish	
SLAVIC 277	Third Year Polish I	
SLAVIC 278	Third Year Polish II	
SLAVIC 301	Introduction to Intensive Polish	
SLAVIC 331	Fourth Year Polish I	
SLAVIC 332	Fourth Year Polish II	
SLAVIC 470	History of Polish Literature until 1863	
SLAVIC 472	History of Polish Literature after 1863	
Russian		
SLAVIC 101	First Semester Russian	
SLAVIC 102	Second Semester Russian	
SLAVIC 117	Intensive Second Year Russian	
SLAVIC 118	Intensive Second Year Russian	
SLAVIC 203	Third Semester Russian	
SLAVIC 204	Fourth Semester Russian	
SLAVIC 275	Third Year Russian I	
SLAVIC 276	Third Year Russian II	
SLAVIC 315	Russian Language and Culture I	
SLAVIC 316	Russian Language and Culture II	
SLAVIC 321	Fourth Year Russian I	
SLAVIC 322	Fourth Year Russian II	
SLAVIC 405	Women in Russian Literature	
SLAVIC 420	Chekhov	
SLAVIC 421	Gogol	
SLAVIC 422	Dostoevsky	
SLAVIC 424	Tolstoy	
Serbo-Croatian		
SLAVIC 141	First Semester Serbo-Croatian	
SLAVIC 142	Second Semester Serbo-Croatian	
SLAVIC 251	Third Semester Serbo-Croatian	
SLAVIC 252	Fourth Semester Serbo-Croatian	
SLAVIC 341	First Semester Intensive Serbo-Croatian	
SLAVIC 342	Introduction to Serbian and Croatian Literature	
SLAVIC 449	History of Serbo-Croatian Literature	

Area Studies Courses

Code	Title	Credits
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
FOLKLORE/ RELIG ST 352	Shamanism	3
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	3
GNS/HISTORY 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY 357	The Second World War	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY 419	History of Soviet Russia	3-4
HISTORY 420	Russian Social and Intellectual History	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	3
LITTRANS 201	Survey of 19th and 20th Century Russian Literature in Translation I	3
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	3
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I	4
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II	4
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	3-4
LITTRANS 208	The Writings of Vaclav Havel: Crtitique of Modern Society	3
LITTRANS 220	Chekhov: The Drama of Modern Life	3
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	3
LITTRANS 222	Dostoevsky in Translation	3-4
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	3
LITTRANS 224	Tolstoy in Translation	3-4
LITTRANS 229	Representation of the Jew in Eastern European Cultures	3
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	3-4
LITTRANS 241	Literatures and Cultures of Eastern Europe	3
LITTRANS 247	Topics in Slavic Literatures in Translation	3
LITTRANS/ GERMAN/ JEWISH 269	Yiddish Literature and Culture in Europe	3
LITTRANS/ FOLKLORE 327	Vampires	3
LITTRANS/ THEATRE 423	In Translation: Slavic Drama in Context	3
LITTRANS 454	History of Serbian and Croatian Literature	3
LITTRANS 473	Polish Literature (in Translation) since 1863	3
POLI SCI 334	Russian Politics	3-4
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	3-4
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	4
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	4
SLAVIC 242	Literatures and Cultures of Eastern Europe	3
SLAVIC 245	Topics in Slavic Literatures	3
SLAVIC 285	Slavic Culture in Context: An Honors Course	3
SLAVIC 405	Women in Russian Literature	3-4
SLAVIC 420	Chekhov	3-4
SLAVIC 421	Gogol	3-4
SLAVIC 422	Dostoevsky	3-4
SLAVIC 424	Tolstoy	3-4

SOUTH ASIA

Study Abroad Programs

- There are currently no approved study abroad programs available in this region; international business majors should select another region of emphasis. This information will be updated when an approved program becomes available.

Language Courses

Code	Title	Credits
Hindi		
ASIALANG 133	First Semester Hindi	
ASIALANG 134	Second Semester Hindi	
ASIALANG 233	Third Semester Hindi	
ASIALANG 234	Fourth Semester Hindi	
ASIALANG 333	Fifth Semester Hindi	
ASIALANG 334	Sixth Semester Hindi	
Persian		
ASIALANG 137	First Semester Persian	
ASIALANG 138	Second Semester Persian	
ASIALANG 237	Third Semester Persian	
ASIALANG 238	Fourth Semester Persian	
ASIALANG 337	Fifth Semester Persian	
ASIALANG 338	Sixth Semester Persian	

Tibetan	
ASIALANG 135	First Semester Modern Tibetan
ASIALANG 136	Second Semester Modern Tibetan
ASIALANG 235	Third Semester Modern Tibetan
ASIALANG 236	Fourth Semester Modern Tibetan
Urdu	
ASIALANG 139	First Semester Urdu
ASIALANG 140	Second Semester Urdu
ASIALANG 239	Third Semester Urdu
ASIALANG 240	Fourth Semester Urdu
ASIALANG 339	Fifth Semester Urdu
ASIALANG 340	Sixth Semester Urdu

Area Studies Courses

Code	Title	Credits
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST/ ASIAN 428	Visual Cultures of India	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 252	Contemporary Indian Society	3
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN 311	Modern Indian Literatures	3
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ HISTORY 463	Topics in South Asian History	3
ASIAN/ RELIG ST 466	Buddhist Thought	3
ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
ASIAN/ENGL 478	Indian Writers Abroad: Literature, Diaspora and Globalization	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
ASIAN 630	Proseminar: Studies in Cultures of Asia	3
COM ARTS 613	Special Topics in Film	3
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities)	3
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 463	Topics in South Asian History	3

SOUTHEAST ASIA & OCEANIA

Study Abroad Programs

- Singapore: Nat Univ Singapore Bus Exch (ISP-SINBUS)
- Thailand, Bangkok: Chulalongkorn Univ Exchange (ISP-BANGKC)
- Australia, Melbourne: Monash University Exchange (ISP-MONASH)
- Australia, Sydney: TEAN Univ of New South Wales (ISP-SYDNSW)
- New Zealand: Massey University Exchange (ISP-MASSEY)

Language Courses

Code	Title	Credits
Filipino (Tagalong)		
ASIALANG 123	First Semester Filipino	
ASIALANG 124	Second Semester Filipino	
ASIALANG 223	Third Semester Filipino	
ASIALANG 224	Fourth Semester Filipino	
ASIALANG 323	Fifth Semester Filipino	
ASIALANG 324	Sixth Semester Filipino	
Hmong		
ASIALANG 125	First Semester Hmong	
ASIALANG 126	Second Semester Hmong	
ASIALANG 225	Third Semester Hmong	
ASIALANG 226	Fourth Semester Hmong	
ASIALANG 325	Fifth Semester Hmong	
ASIALANG 326	Sixth Semester Hmong	
Indonesian		
ASIALANG 127	First Semester Indonesian	
ASIALANG 128	Second Semester Indonesian	
ASIALANG 227	Third Semester Indonesian	
ASIALANG 228	Fourth Semester Indonesian	
ASIALANG 348	Fifth Semester Indonesian	
ASIALANG 328	Sixth Semester Indonesian	
Thai		
ASIALANG 129	First Semester Thai	
ASIALANG 130	Second Semester Thai	
ASIALANG 229	Third Semester Thai	
ASIALANG 230	Fourth Semester Thai	
ASIALANG 329	Fifth Semester Thai	
ASIALANG 330	Sixth Semester Thai	
Vietnamese		
ASIALANG 131	First Semester Vietnamese	
ASIALANG 132	Second Semester Vietnamese	
ASIALANG 231	Third Semester Vietnamese	
ASIALANG 232	Fourth Semester Vietnamese	

Area Studies Courses

Code	Title	Credits
ANTHRO 330	Topics in Ethnology	3-4
ASIAN/ RELIG ST 206	The Qur'an: Religious Scripture & Literature	3
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3

ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN 600	Capstone Seminar in Asian Humanities	3
GEOG/ASIAN/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4

WESTERN EUROPE

Study Abroad Programs

- Austria, Vienna: Wirtschaftsuniversitat-Wien Exchange (ISP-VIENNB)
- Belgium, Leuven: KU Leuven Belgium (ISP-LEUVEN)
- Denmark, Copenhagen: Copenhagen Bus School Exchange (ISP-COPBUS)
- England, Coventry: Univ of Warwick Exchange (ISP-WARWEX)
- England, London: IES University of London (ISP-IESLON)
- England, London: UW in London (ISP-LONDON)
- England, London: Univ of Westminster (ISP-WESTMN)
- France, Paris: IES Paris Bus & Inter Affairs (ISP-IESPAR)
- France, Rouen: NEOMA Rouen (ISP-NEOMA)
- Germany, Vallendar: WHU Otto Beisheim Mgt Exchange (ISP-WHU)
- Ireland, Dublin: University College Dublin (ISP-DUBBUS)
- Ireland, Galway: Natl Univ of Ireland, Galway (ISP-GALWAY)
- Italy, Milan: Bocconi University Exchange (ISP-BOCCON)
- Italy, Paderno: CIMBA Italy (ISP-CIMBA)
- Italy, Rome: CEA Rome Business & Psychology (ISP-CEAROM)
- Netherlands, Maastricht: Maastricht University Exchange (ISP-MAAST)
- Norway, Oslo: BI Norwegian Business Exchange (ISP-OSLOBU)
- Spain, Barcelona: IES Lib Arts & Bus Barcelona (ISP-BARCEL)
- Spain, Barcelona: CIEE Bus & Culture Barcelona (ISP-BARCB)
- Spain, Madrid: University Carlos III Exchange (ISP-CARLOS)
- Spain, Pamplona: University of Navarra Exchange (ISP-NAVARR)
- Spain, Seville: CIEE Seville Bus & Society (ISP-SEVIBU)

Language Courses

Code	Title	Credits
Czech		
SLAVIC 115	First Semester Czech	
SLAVIC 116	Second Semester Czech	
SLAVIC 217	Third Semester Czech	
SLAVIC 218	Fourth Semester Czech	
SLAVIC 351	First Semester Intensive Czech	
SLAVIC 352	Second Semester Intensive Czech	
SLAVIC 451	Third Semester Intensive Czech	
SLAVIC 452	Fourth Semester Intensive Czech	
Danish		
SCAND ST 121	First Semester Danish	
SCAND ST 122	Second Semester Danish	
SCAND ST 221	Second Year Danish	
SCAND ST 222	Second Year Danish	
SCAND ST 271	Readings in Danish Literature	
Dutch		
GERMAN 111	First Semester Dutch	
GERMAN 112	Second Semester Dutch	
GERMAN 213	Third Semester Dutch	
GERMAN 214	Fourth Semester Dutch	
GERMAN 325	Topics in Dutch Literature	
Finnish		
SCAND ST 131	First Semester Finnish	
SCAND ST 132	Second Semester Finnish	
French		
FRENCH 101	First Semester French	
FRENCH 102	Second Semester French	
FRENCH 203	Third Semester French	
FRENCH 204	Fourth Semester French	
FRENCH 228	Intermediate Language and Culture	
FRENCH 271	Literature, Comics, and Film in French	
FRENCH 301	Practical French Conversation	
FRENCH 302	Practical French Conversation	
FRENCH 311	Advanced Composition and Speaking	
FRENCH 312	Advanced Writing Workshop	
FRENCH 321	Medieval and Early Modern French Literature	
FRENCH 322	Modern French and Francophone Literature	
FRENCH/ ITALIAN/ PORTUG/ SPANISH 429	Introduction to the Romance Languages	
FRENCH 430	Readings in Medieval and Renaissance Literature	
FRENCH 431	Readings in Early Modern Literature	
FRENCH 461	French/Francophone Literary Studies Across the Centuries	
FRENCH 462	French/Francophone Cultural Studies Across the Centuries	
FRENCH 467	Aspects of Contemporary French Literature	
FRENCH 567	Undergraduate Seminar in French/ Francophone Literary Studies	
FRENCH 568	Undergraduate Seminar in French/ Francophone Cultural Studies	
FRENCH 590	Introduction to Phonetics	
FRENCH 630	The Age of Reason	
FRENCH 631	17th-Century French Literature	

FRENCH 639	17th-Century Literature
FRENCH 647	The 20th-Century French Novel
German	
GERMAN 101	First Semester German
GERMAN 102	Second Semester German
GERMAN 203	Third Semester German
GERMAN 204	Fourth Semester German
GERMAN 249	Intermediate German - Speaking and Listening
GERMAN 258	Intermediate German-Reading
GERMAN 262	Intermediate German-Writing
GERMAN 305	Literatur des 20. und 21. Jahrhunderts
GERMAN 337	Advanced Composition & Conversation
GERMAN 351	Introduction to German Linguistics
GERMAN 352	Topics in German Linguistics
GERMAN 362	Topics in German Literature
GERMAN 367	Study Abroad in German Literature
GERMAN 368	Study Abroad in German Culture
GERMAN 369	Study Abroad in German Linguistics
GERMAN 372	Topics in German Culture
GERMAN 385	Honors Seminar in German Literature
GERMAN 411	Kultur des 20. und 21. Jahrhunderts
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century
GERMAN 650	History of the German Language
GERMAN/ MEDIEVAL 651	Introduction to Middle High German
GERMAN 676	Advanced Seminar in German Studies
GERMAN 683	Senior Honors Seminar in German Literature
Italian	
ITALIAN 101	First Semester Italian
ITALIAN 102	Second Semester Italian
ITALIAN 201	Accelerated First Year Italian
ITALIAN 203	Third Semester Italian
ITALIAN 204	Fourth Semester Italian
ITALIAN 311	Advanced Italian Language
ITALIAN 312	Writing Workshop
ITALIAN 321	Studies in Italian Literature and Culture I
ITALIAN 322	Studies in Italian Literature and Culture II
ITALIAN 340	Structures of Italian
ITALIAN/ FRENCH/ PORTUG/ SPANISH 429	Introduction to the Romance Languages
ITALIAN 621	The 18th Century
ITALIAN 631	Features in Italian Literature
ITALIAN 632	Features in Italian Literature
ITALIAN 636	The Italian Novel
ITALIAN/ MEDIEVAL 659	Dante's Divina Commedia
ITALIAN/ MEDIEVAL 671	The 13th Century
Norwegian	
SCAND ST 101	First Semester Norwegian
SCAND ST 102	Second Semester Norwegian
SCAND ST 201	Second Year Norwegian
SCAND ST 202	Second Year Norwegian
SCAND ST 251	Readings in Norwegian Literature
Polish	
SLAVIC 111	First Semester Polish
SLAVIC 112	Second Semester Polish
SLAVIC 207	Third Semester Polish
SLAVIC 208	Fourth Semester Polish
SLAVIC 277	Third Year Polish I
SLAVIC 278	Third Year Polish II
SLAVIC 301	Introduction to Intensive Polish
SLAVIC 331	Fourth Year Polish I
SLAVIC 332	Fourth Year Polish II
SLAVIC 470	History of Polish Literature until 1863
SLAVIC 472	History of Polish Literature after 1863
Portuguese	
PORTUG 101	First Semester Portuguese
PORTUG 102	Second Semester Portuguese
PORTUG 201	Third Semester Portuguese
PORTUG 202	Fourth Semester Portuguese
PORTUG 221	Introduction to Luso-Brazilian Literatures
PORTUG 225	Third Year Conversation and Composition
PORTUG 226	Third Year Conversation and Composition
PORTUG 301	Intensive Portuguese
PORTUG 302	Intensive Portuguese
PORTUG 311	Fourth Year Composition and Conversation
PORTUG 312	Fourth Year Composition and Conversation
PORTUG 330	History of the Portuguese Language
PORTUG 411	Survey of Portuguese Literature before 1825
PORTUG/ FRENCH/ ITALIAN/ SPANISH 429	Introduction to the Romance Languages
PORTUG/ GEN&WS 450	Brazillian Women Writers
PORTUG/ AFRICAN 451	Lusophone African Literature
PORTUG 467	Survey of Portuguese Literature since 1825

PORTUG 468	Survey of Brazilian Literature since 1890
PORTUG 640	Topics in Luso-Brazilian Literature
Spanish	
SPANISH 101	First Semester Spanish
SPANISH 102	Second Semester Spanish
SPANISH 203	Third Semester Spanish
SPANISH 204	Fourth Semester Spanish
SPANISH 223	Introduction to Hispanic Cultures
SPANISH 224	Introduction to Hispanic Literatures
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar
SPANISH 311	Advanced Language Practice
SPANISH 319	Topics in Spanish Language Practice
SPANISH 320	Spanish Phonetics
SPANISH 322	Survey of Early Hispanic Literature
SPANISH 324	Survey of Modern Spanish Literature
SPANISH 325	Advanced Conversation
SPANISH 326	Survey of Spanish American Literature
SPANISH 359	Spanish Business Area Studies
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)
SPANISH/ FRENCH/ ITALIAN/ PORTUG 429	Introduction to the Romance Languages
SPANISH 435	Cervantes
SPANISH 453	Literature of the Twentieth Century
SPANISH 460	Spanish American Literature
SPANISH 461	The Spanish American Short Story
SPANISH 464	Spanish American Poetry and Essay
SPANISH/ CHICLA 467	US Latino Literature
SPANISH 468	Topics in Hispanic Culture
SPANISH/ CHICLA 469	Topics in Latinx Culture
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics
SPANISH 472	Hispanic Screen Studies
SPANISH 473	Study Abroad in Spanish Language Practice
SPANISH 474	Study Abroad in Spanish Linguistics
SPANISH 475	Study Abroad in Hispanic Literatures
SPANISH 476	Study Abroad in Hispanic Cultures
SPANISH/ CHICLA 478	Border and Race Studies in Latin America
SPANISH/ MEDIEVAL 503	Survey of Medieval Literature
SPANISH/ MEDIEVAL 541	Old Spanish
SPANISH 545	College Teaching of Spanish
SPANISH 564	Theory and Practice of Hispanic Theatre
SPANISH 630	Topics in Hispanic Linguistics
SPANISH 681	Senior Honors Thesis
SPANISH 682	Senior Honors Thesis
SPANISH 691	First Semester Senior Thesis
SPANISH 692	Second Semester Senior Thesis
SPANISH 699	Directed Study
Swedish	
SCAND ST 111	First Semester Swedish
SCAND ST 112	Second Semester Swedish
SCAND ST 211	Second Year Swedish
SCAND ST 212	Second Year Swedish
SCAND ST 261	Readings in Swedish Literature

Area Studies Courses

Code	Title	Credits
ART HIST 336	Study Abroad in Renaissance/ Baroque/Northern Art	1-6
ART HIST 346	British Art and Society from the Eighteenth Century to the Present	3
ART HIST 408	Topics in Twentieth-Century Art (Modern Italian Art)	3-4
ART HIST 555	Proseminar in 19th Century European Art	3
ART HIST 556	Proseminar in 20th Century European Art	3
COM ARTS 455	French Film	3
COM ARTS/ ITALIAN 460	Italian Film	3
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	3
ENGL 345	Nineteenth-Century Novel	3
ENGL 351	Modernist Novel	3
ENGL 352	Modernist Poetry	3
ENGL 353	British Literature since 1900	3
ENGL 443	Outstanding Figure(s) in Literature since 1800	3
ENGL 453	Topic in British Literature and Culture since 1900	3
ENGL 454	James Joyce	3
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	3
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
FOLKLORE/ SCAND ST 443	Sami Culture, Yesterday and Today	4
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	3
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	3
FRENCH 322	Modern French and Francophone Literature	3

FRENCH 325	Visual Culture in French/ Francophone Studies	3
FRENCH 348	Modernity Studies	3
FRENCH 461	French/Francophone Literary Studies Across the Centuries	3
FRENCH 462	French/Francophone Cultural Studies Across the Centuries	3
FRENCH 465	French/Francophone Film	3
FRENCH 467	Aspects of Contemporary French Literature	3
FRENCH 567	Undergraduate Seminar in French/ Francophone Literary Studies	3
FRENCH 568	Undergraduate Seminar in French/ Francophone Cultural Studies	3
GEN&WS/ LITTRANS 270	German Women Writers in Translation	3
GEOG/HISTORY/ POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
GEOG/ URB R PL 305	Introduction to the City	3-4
GERMAN 245	Topics in Dutch Life and Culture	3
GERMAN 266	Topics in German and/or Yiddish Culture	3
GERMAN 267	Yiddish Song and the Jewish Experience	3-4
GERMAN/JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	3
GERMAN/ LITTRANS 276	Special Topics in German and World Literature/s	3
GERMAN 272	Nazi Culture	3
GERMAN 275	Kafka and the Kafkaesque	3
GERMAN 278	Topics in German Culture	3
GERMAN 325	Topics in Dutch Literature	3
GERMAN 362	Topics in German Literature	3-4
GERMAN 367	Study Abroad in German Literature	2-5
GERMAN 368	Study Abroad in German Culture	2-5
GERMAN 372	Topics in German Culture	3-4
GERMAN 377	Study Abroad in Dutch Literature	2-5
GERMAN 378	Study Abroad in Dutch Culture	2-5
GERMAN 385	Honors Seminar in German Literature	3
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century	3
GERMAN 612	German Literary Movements Since 1750	3
GERMAN 683	Senior Honors Seminar in German Literature	3
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 124	Britain since 1688	4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY 223	Explorations in European History (H)	3-4
HISTORY 224	Explorations in European History (S)	3
HISTORY 271	History Study Abroad: European History	1-4
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 357	The Second World War	3-4
HISTORY 358	French Revolution and Napoleon	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
ILS 203	Western Culture: Literature and the Arts I	3
ILS 204	Western Culture: Literature and the Arts II	3-4
ILS 205	Western Culture: Political, Economic, and Social Thought I	3
ILS 206	Western Culture: Political, Economic, and Social Thought II	3
ILS/ITALIAN 350	Rome: Lust for Glory	3-4
ITALIAN 230	Modern Italian Culture	3
ITALIAN 321	Studies in Italian Literature and Culture I	3
ITALIAN 322	Studies in Italian Literature and Culture II	3
ITALIAN/ILS 350	Rome: Lust for Glory	3-4
ITALIAN 450	Special Topics in Italian Literature	3
ITALIAN 452	Special Topics in Italian Studies: Culture, Film, Language	3
ITALIAN/ COM ARTS 460	Italian Film	3
LITTRANS 209	Masterpieces of French Literature and Culture	3
LITTRANS 213	Love and Sex in Italian Comedy	3-4
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	3
LITTRANS 249	Literature in Translation: Nineteenth-Century French Masterpieces	3
LITTRANS 252	Spanish Literary Masterpieces in Translation	3
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance	3
LITTRANS 260	Italy and the Invention of America: from Columbus to World War II	3
LITTRANS/ GERMAN/ JEWISH 269	Yiddish Literature and Culture in Europe	3

LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century	3-4
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen	3-4
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s	3
LITTRANS 277	Topics in Twentieth-Century German Literature (in Translation)	3
LITTRANS 324	Topics in Scandinavian Literature	3-4
LITTRANS 326	Topics in Dutch Literature in Translation	3
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen	3-4
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	3-4
LITTRANS 350	Scandinavian Decadence in its European Context	3-4
LITTRANS 410	In Translation: Special Topics in Italian Literature	3
MEDIEVAL/ SCAND ST 444	Kalevala and Finnish Folk-Lore	4
MUSIC 416	Survey of Music in the Twentieth Century	3
MUSIC 513	Survey of Opera	3
PHILOS/ JEWISH 442	Moral Philosophy and the Holocaust	3
PHILOS 530	Freedom Fate and Choice	3
PHILOS 549	Great Moral Philosophers	3
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 538		3-4
POLI SCI 659	Politics and Society: Contemporary Eastern Europe	3-4
PORTUG 361	Portuguese Civilization	3
PORTUG 467	Survey of Portuguese Literature since 1825	3
RELIG ST/ FOLKLORE/ MEDIEVAL/ SCAND ST 342	Nordic Mythology	3
SCAND ST 276	Culture & Community in Scandinavia	3
SCAND ST/ FOLKLORE/ MEDIEVAL/ RELIG ST 342	Nordic Mythology	3
SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	3-4
SCAND ST 411	Areas in Scandinavian Literature	1
SCAND ST 419	Scandinavian Children's Literature	4
SCAND ST 422	The Drama of Henrik Ibsen	4
SCAND ST 424	Nineteenth-Century Scandinavian Fiction	3-4
SCAND ST 426	Kierkegaard and Scandinavian Literature	3
SCAND ST 427	Contemporary Scandinavian Literature	4
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard	3
SCAND ST 434	The Art of Isak Dinesen/Karen Blixen	4
SCAND ST 436	Topics in Scandinavian Literature	3-4
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	3
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	4
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	4
SCAND ST/ FOLKLORE/ MEDIEVAL 446	Celtic-Scandinavian Cultural Interrelations	3
SCAND ST 450	Scandinavian Decadence in its European Context	3-4
SCAND ST 476	Scandinavian Life and Civilization II	4
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History	3-4
SPANISH 223	Introduction to Hispanic Cultures	3
SPANISH 224	Introduction to Hispanic Literatures	3
SPANISH 322	Survey of Early Hispanic Literature	3
SPANISH 324	Survey of Modern Spanish Literature	3
SPANISH 359	Spanish Business Area Studies	3
SPANISH 361	Spanish Civilization	3
SPANISH 453	Literature of the Twentieth Century	3
SPANISH 468	Topics in Hispanic Culture	3
THEATRE/ LITTRANS 335	In Translation: The Drama of Henrik Ibsen	3-4
THEATRE/ LITTRANS 336	In Translation: The Drama of August Strindberg	3-4
THEATRE/ ENGL 575	British Drama, 1914 to Present	3
THEATRE 619	Special Topics in Theatre and Drama	1-3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Know and be able to apply international business theories and concepts to a variety of business situations.
2. Formulate business strategies appropriate to global, regional and local contexts.
3. Know the skills necessary for cross-cultural adaptation and know how to access resources to continue future learning.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

The perspective, intercultural awareness, and regional knowledge gained through the study of international business is always relevant, but has greatest career impact several years into one's career. Therefore, the international business major is designed to serve as a complement to another business major. International business careers develop after graduates first develop skills and expertise in a functional area of business, which drives initial career placement and advancement.

Careers in international business are not necessarily located overseas or even in major cities. Many positions are in U.S.-based offices or divisions of international firms.

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026-2027.

MANAGEMENT AND HUMAN RESOURCES

Human resource management studies focus on how organizations attract, motivate, develop, and retain employees, and how they interact with organizations representing employees.

Management studies focus on the activities of leadership, power, decision-making, organizational structure and change, strategy and policy, and the integration of organizational functions.

Studies in entrepreneurship are designed for students who are interested in bringing new ideas to the marketplace.

The department of Management and Human Resources offers opportunities within each area of study.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Business Administration: Human Resources, BBA (p. 1433)
- Business Administration: Management, BBA (p. 1435)
- Business: Entrepreneurship, BBA (p. 1437)
- Business: Human Resource Management, BBA (p. 1440)
- Business: Management and Human Resources, BBA (p. 1444)
- Business: Management, BBA (p. 1455)
- Entrepreneurship, Certificate (p. 1459)

BUSINESS ADMINISTRATION: HUMAN RESOURCES, BBA

Human resources professionals play a crucial role in an organization's success: They attract, motivate, develop and retain employees. If you enjoy a high level of personal interaction and have a healthy amount of empathy and patience, advancing in this field is for you.

In the UW–Madison Online BBA in Human Resources you will learn about leadership, strategy, and decision-making that will land you in a demanding yet rewarding field. Through the highly ranked School of Business, you will gain valuable skills in communication, collaboration, problem solving, research and planning. You will learn to analyze an organization's compensation strategy, discern the best staffing techniques, address challenges facing labor and employment relations, use the best negotiation tactics and design work systems that help employees contribute to an organization's performance.

After you graduate, you'll attract top national employers in a variety of industries, such as finance and insurance, health care and social assistance, professional/scientific/technical services and manufacturing. The BBA in Business Administration: Human Resources offered through UW–Madison Online will equip you for a broad array of careers, from human resources manager to compensation analyst or compliance manager.

HOW TO GET IN

HOW TO GET IN

Students applying to the BBA in Business Administration-Human Resources program apply through UW-Madison Online (https://online.wisc.edu/). UW–Madison Online undergraduate programs are for those applying as transfer students (i.e., those transferring at least 12 college credits). UW-Madison re-entry students may also be considered. For more information, visit the UW-Madison Online admissions website (https://online.wisc.edu/apply/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) in Business Administration online degree program combines general liberal education requirements with a broad coverage of core business disciplines to create a strong academic foundation upon which students delve deeply into their majors.

SCHOOL OF BUSINESS LIBERAL STUDIES REQUIREMENTS

Liberal studies requirements must be completed prior to graduation.

Code	Title	Credits
Communication Part A		
Complete one course designated Communication Part A or completion of Communication Part A based on UW Placement Test		0-3
Economics		
Select one of the following:		4
ECON 101	Principles of Microeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Human Behavior		
Complete one course in Psychology or Sociology		3
Math		
Three credits satisfied by placement exam or one of the following courses:		0-4
MATH 112, 113, 114, 171, 211, 213, 217, 221, or 222		
Literature		
Select one 3 (or more) credit course designated Literature (L)		3
Science		
Select six credits designated Biological, Natural or Physical Science. Courses in Mathematics and Statistics cannot be used to fulfill this requirement.		6
Ethnic Studies		
Select one 3 (or more) credit course designated Ethnic Studies (e)		3
Ethics		
Select one of the following:		3-4
PHILOS 241	Introductory Ethics	
PHILOS 243	Ethics in Business	

PHILOS 341	Contemporary Moral Issues	
PHILOS/ ENVIR ST 441	Environmental Ethics	
Total Credits		**22-30**

BUSINESS FUNDAMENTALS REQUIREMENT

All students must take the following:

Code	Title	Credits
GEN BUS 110	Personal and Professional Foundations in Business	1
GEN BUS 106	Foundational Skills for Business Analysis	1
GEN BUS 206	Beginning Data Analysis for Business	3
GEN BUS 207	Intermediate Data Analysis for Business	3
GEN BUS 360	Workplace Writing and Communication	3
ECON 102	Principles of Macroeconomics	3-4
or ECON 111	Principles of Economics-Accelerated Treatment	
ACCT I S 100	Introductory Financial Accounting	3
ACCT I S 211	Introductory Managerial Accounting	3
Total Credits		**20-21**

BUSINESS CORE REQUIREMENT

Code	Title	Credits
FINANCE/ ECON 300	Introduction to Finance	3
MARKETNG 300	Marketing Management	3
M H R 300	Managing Organizations	3
OTM 300	Operations and Supply Chain Management	3
GEN BUS 301	Business Law	3
Total Credits		**15**

BBA IN BUSINESS ADMINISTRATION - HUMAN RESOURCES MAJOR REQUIREMENTS

The BBA in Business Administration - Human Resources major is a total of 12 credits consisting of the following 4 required courses.

Code	Title	Credits
M H R 305	Human Resource Management	3
M H R 423	Strategic Management	3
M H R 610	Compensation: Theory and Administration	3
M H R 611	Strategic Talent Management	3
Total Credits		**12**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand that the management of human resources is vital to a successful business strategy and organizational effectiveness.
2. Analyze organization compensation strategy to identify problems and develop solutions that support the organization's strategy.
3. Discern which staffing techniques are poor, fair, and good predictors of employees' future job performance.
4. Identify and address the various challenges currently facing labor and employment relations.
5. Apply appropriate tactics in competitive and cooperative negotiations individually and as part of a negotiation team.
6. Design work systems and roles that allow employees to contribute to organizational performance.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This program is designed for transfer students, most of whom will enroll on a part-time basis. As such, there is not a four-year plan for this program. Please refer to the Requirements tab for more information about the curriculum and program plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

ACCESSING ADVISING

Each UW-Madison Online student is assigned an academic advisor. The academic advisor will support the academic and personal success of each student including assisting students as they identify and clarify their

educational goals, develop meaningful academic plans, and pursue their own Wisconsin experience.

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS ADMINISTRATION: MANAGEMENT, BBA

Management studies focus on the activities of leadership, power, decision-making, organizational structure and change, strategy and policy, and the integration of organizational functions. If you aim to be an entrepreneur or advance in a leadership position in a private business, government or nonprofit organization, a BBA in Management is a good fit for you.

Through UW–Madison Online, you'll learn from top faculty in the field. From the highly ranked School of Business, you will gain valuable skills in communication, collaboration, planning, problem solving and building relationships. You will learn to develop successful team structures that maximize performance, design systems to achieve strategic objectives in a global business environment, diagnose problems and design effective interventions, and evaluate an organization to maximize its competitive advantage within an industry.

This degree will prepare you to work for businesses large and small or for yourself as a business owner or entrepreneur. Top industries hiring in this field include finance and insurance, health care and social assistance, professional/scientific/technical services and manufacturing. The BBA in Business Administration: Management, offered fully online, will equip you for a broad array of careers, from business owner to talent acquisition manager or compensation analyst, to name just a few.

HOW TO GET IN

HOW TO GET IN

Students applying to the BBA in Business Administration-Management program apply through UW-Madison Online (https://online.wisc.edu/). UW–Madison Online undergraduate programs are for those applying as transfer students (i.e., those transferring at least 12 college credits). UW-Madison re-entry students may also be considered. For more information, visit the UW-Madison Online admissions website (https://online.wisc.edu/apply/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) in Business Administration online degree program combines general liberal education requirements with a broad coverage of core business disciplines to create a strong academic foundation upon which students delve deeply into their majors.

SCHOOL OF BUSINESS LIBERAL STUDIES REQUIREMENTS

Liberal studies requirements must be completed prior to graduation.

Code	Title	Credits
Communication Part A		
Complete one course designated Communication Part A or completion of Communication Part A based on UW Placement Test		0-3
Economics		
Select one of the following:		4
ECON 101	Principles of Microeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Human Behavior		
Complete one course in Psychology or Sociology		3
Math		
Three credits satisfied by placement exam or one of the following courses:		0-4
MATH 112, 113, 114, 171, 211, 213, 217, 221, or 222		
Literature		
Select one 3 (or more) credit course designated Literature (L)		3
Science		
Select six credits designated Biological, Natural or Physical Science. Courses in Mathematics and Statistics cannot be used to fulfill this requirement.		6
Ethnic Studies		

Select one 3 (or more) credit course designated Ethnic Studies (e)		3
Ethics		
Select one of the following:		3-4
PHILOS 241	Introductory Ethics	
PHILOS 243	Ethics in Business	
PHILOS 341	Contemporary Moral Issues	
PHILOS/ ENVIR ST 441	Environmental Ethics	
Total Credits		**22-30**

BUSINESS FUNDAMENTALS REQUIREMENT

All students must take the following:

Code	Title	Credits
GEN BUS 110	Personal and Professional Foundations in Business	1
GEN BUS 106	Foundational Skills for Business Analysis	1
GEN BUS 206	Beginning Data Analysis for Business	3
GEN BUS 207	Intermediate Data Analysis for Business	3
GEN BUS 360	Workplace Writing and Communication	3
ECON 102	Principles of Macroeconomics	3-4
or ECON 111	Principles of Economics-Accelerated Treatment	
ACCT I S 100	Introductory Financial Accounting	3
ACCT I S 211	Introductory Managerial Accounting	3
Total Credits		**20-21**

BUSINESS CORE REQUIREMENT

Code	Title	Credits
FINANCE/ ECON 300	Introduction to Finance	3
MARKETNG 300	Marketing Management	3
M H R 300	Managing Organizations	3
OTM 300	Operations and Supply Chain Management	3
GEN BUS 301	Business Law	3
Total Credits		**15**

BBA IN BUSINESS ADMINISTRATION - MANAGEMENT MAJOR REQUIREMENTS

The BBA in Business Administration - Management major is a total of 12 credits consisting of the following 4 required courses.

Code	Title	Credits
M H R 305	Human Resource Management	3
M H R 401	Leading Teams	3
M H R 423	Strategic Management	3
M H R 628	Negotiations	3
Total Credits		**12**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand that the management of human resources is vital to a successful business strategy and organizational effectiveness.
2. Develop successful team structures that mitigate decision-making pitfalls and interpersonal conflict while maximizing team performance.
3. Design successful organization structures to achieve strategic objectives and execute operational plans within a global business environment.
4. Diagnose management and organizational problems from an internal or external consultant's perspective and design interventions to enhance organizational effectiveness.
5. Evaluate an organization's internal capabilities and external pressures and maximize its competitive advantage within an industry.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This program is designed for transfer students, most of whom will enroll on a part-time basis. As such, there is not a four-year plan for this program. Please refer to the Requirements tab for more information about the curriculum and program plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

ACCESSING ADVISING

Each UW-Madison Online student is assigned an academic advisor. The academic advisor will support the academic and personal success of

each student including assisting students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin experience.

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: ENTREPRENEURSHIP, BBA

Founded in 1900, the School of Business established one of the first five business programs in the nation. That entrepreneurial spirit remains strong.

As a student in the School of Business, you will find yourself inspired by peers, staff, alumni, business leaders, and world-renowned faculty who are focused, collaborative, and engaged in every aspect of the student experience. You will join a highly-ranked program that equips you to meet both academic and career challenges. Employers value School of Business graduates because of the comprehensive preparation this learning environment provides. Graduates possess highly sought-after general management and specialized expertise in business.

Joining collaborative, inspiring, trustworthy, and progressive School of Business alumni, Business Badger graduates are prepared to lead their organizations to success and transform the world of business. Together Forward!

BACHELOR OF BUSINESS ADMINISTRATION IN BUSINESS: ENTREPRENEURSHIP

The BBA degree in Entrepreneurship (BBAE) prepares students to launch and grow their own ventures, join innovative startups, or work in established organizations that foster an entrepreneurial mindset. Students who pursue the BBAE degree will learn the essential skills and knowledge needed to identify, evaluate, and pursue new business opportunities as well as to manage and lead entrepreneurial teams and organizations. They will be prepared for roles such as a founder, a manager in a growth-oriented company, or a consultant supporting clients developing and de-risking new products and services.

The program is open to students who have completed the pre-business requirements and have been admitted to the School of Business. BBAE students will complete a core curriculum that covers the fundamentals of business, such as accounting, finance, marketing, operations, and strategy. In addition, BBAE students will choose from a variety of electives that focus on different aspects of entrepreneurship, such as creativity, innovation, social entrepreneurship, and venture capital. BBAE students will also have opportunities to participate in experiential learning activities, such as innovation competitions, accelerator programs, supportive student organizations, and more on campus.

The BBAE degree aims to develop students' entrepreneurial mindset and capabilities as well as their professional and ethical values. Students will gain confidence in their ability to generate and implement innovative ideas as well as to overcome challenges and uncertainties in the entrepreneurial process. Students will also develop their communication and collaboration skills as well as an awareness of the social and environmental impact of their entrepreneurial endeavors.

The BBAE degree opens up a wide range of career paths for graduates who aspire to create value and make a difference in the world. Whether they choose to start their own businesses, join existing companies, or work in entrepreneurial organizations, BBAE graduates will be equipped with the skills and knowledge to succeed.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))
Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263

GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Entrepreneurship cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: ENTREPRENEURSHIP

Students must take a minimum of 18 credits, distributed as follows:

Code	Title	Credits
Core		
M H R 322	Introduction to Entrepreneurship	3
M H R 415	Strategic Management of Innovation and Corporate Entrepreneurship	3
M H R 422	Advanced Entrepreneurship	3
Experiential/Applied Entrepreneurship Course (choose 3-6 credits from the following):		**3-6**
M H R 399	Reading and Research-Management [1]	
M H R 434	Venture Creation	
M H R 438	Wisconsin Applied Ventures in Entrepreneurship (WAVE)	
M H R 441	Technology Entrepreneurship	

M H R 640 & M H R 641	Creative Destruction Lab I and Creative Destruction Lab II	
Electives (choose 3-6 credits from the following):		**3-6**
ACCT I S 301	Financial Reporting I	
ACCT I S 401	Business Organizations and Negotiable Instruments	
FINANCE/ ECON 320	Investment Theory	
FINANCE 457	Entrepreneurial Finance	
INFO SYS 371	Technology of Computer-Based Business Systems	
INFO SYS 424	Systems Analysis and Design	
M H R 320	New Ventures in Business, the Arts and Social Entrepreneurship	
M H R 365	Contemporary Topics	
M H R 401	Leading Teams	
M H R 423	Strategic Management	
M H R 628	Negotiations	
M H R/ INTEGART 632	Introduction to Arts Entrepreneurship	
M H R/ INTEGART 636	Entrepreneurship in Arts & Cultural Organizations	
MARKETNG 310	Marketing Research	
MARKETNG/ OTM 427	Information Technology in Supply Chains	
MARKETNG 437	New Product Innovation	
OTM 451	Service Operations Management	
OTM 453	Operations Analytics	
R M I 640	Management of Insurance Enterprise	
R M I 655	Risk Financing Techniques	
REAL EST 410	Real Estate Finance	
REAL EST 611	Residential Property Development	
Total Credits		**18**

[1] Double counting of M H R 399 Reading and Research-Management across other majors is prohibited.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop business ideas.
2. Evaluate entrepreneurial opportunities with focus on appropriate use of both quantitative and qualitative analytical tools.
3. Evaluate the skills, financing and other resources required for successfully managing innovation in startups and established organizations.
4. Manage growth in startups and innovation in established organizations.
5. Exercise appropriate leadership, value diverse perspectives, and work collaboratively to accomplish objectives in an entrepreneurial context.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
GEN BUS 110	1	M H R 300	3
GEN BUS 106	1	ACCT I S 100	3
MATH 211 or 221	4-5	ECON 102 or 111	3-4
ECON 101 or 111	4	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Communications A	3	Science	3
Ethnic Studies	3		
	16-17		**15-17**

Sophomore

Fall	Credits	Spring	Credits
GEN BUS 306	3	GEN BUS 307	3
FINANCE/ECON 300	3	ACCT I S 211	3
M H R 322	3	M H R 422	3
GEN BUS 360	3	GEN BUS/DS 240, 250, or 308	2
Elective	3	Science	3
	15		**14**

Junior

Fall	Credits	Spring	Credits
M H R Experiential/ Applied Entrepreneurship Course or Major Elective Course	3	M H R Experiential/ Applied Entrepreneurship Course or Major Elective Course	3
OTM 300	3	GEN BUS 250, 240, or 308	2

MARKETNG 300	3 GEN BUS 301	3
Literature	3 PHILOS 241, 243, 341, or 441 (Ethics)	3-4
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322	3 Humanities	3
	15	**14-15**

Senior

Fall	**Credits**	**Spring**	**Credits**
M H R 415	3	M H R Experiential/ Applied Entrepreneurship Course or Major Elective Course	3
GEN BUS 400	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	2-3
	15		**14-15**

Total Credits 118-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: HUMAN RESOURCE MANAGEMENT, BBA

Founded in 1900, the School of Business established one of the first five business programs in the nation. That entrepreneurial spirit remains strong.

As a student in the School of Business, you will find yourself inspired by peers, staff, alumni, business leaders, and world-renowned faculty who are focused, collaborative, and engaged in every aspect of the student experience. You will join a highly-ranked program that equips you to meet both academic and career challenges. Employers value School of Business graduates because of the comprehensive preparation this learning environment provides. Graduates possess highly sought-after general management and specialized expertise in business.

Joining collaborative, inspiring, trustworthy, and progressive School of Business alumni, Business Badger graduates are prepared to lead their organizations to success and transform the world of business. Together Forward!

BACHELOR OF BUSINESS ADMINISTRATION IN BUSINESS: HUMAN RESOURCE MANAGEMENT

The BBA in Human Resource Management (BBAHR) degree prepares students to manage and lead the most valuable asset of any organization: its people. Students who pursue the BBAHR degree will learn how to design, implement, and evaluate effective human resource policies and practices that align with the strategic goals and objectives of an organization as well as with the legal and ethical standards of the profession.

The program is open to students who have completed the pre-business requirements and have been admitted to the School of Business. BBAHR students will complete a core curriculum that covers the fundamentals of business, such as accounting, finance, marketing, operations, and strategy. In addition, BBAHR students will choose from a variety of electives that focus on different aspects of human resource management, such as talent acquisition, compensation and benefits, performance management, employee relations, diversity and inclusion,

and organizational development. BBAHR students will also have the opportunity to participate in experiential learning activities, such as case studies, simulations, and applied projects.

The BBAHR degree aims to develop students' knowledge and skills in human resource management as well as their professional and ethical values. Students will gain an understanding of the theories and concepts that underlie human resource management, as well as the practical applications and best practices that are relevant in complex business environments. Students will also develop their communication and collaboration skills along with their critical thinking and problem-solving abilities.

The BBAHR degree opens up a wide range of career paths for graduates who aspire to make a positive impact on the performance and well-being of employees and organizations. Whether they choose to work as human resource generalists or specialists, consultants or analysts, compliance managers or leaders, BBAHR graduates will be equipped with the skills and knowledge to succeed in human resource management.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))
Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Human Resource Management cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: HUMAN RESOURCE MANAGEMENT

Students must take a minimum of 18 credits, distributed as follows:

Code	Title	Credits
Core		
M H R 305	Human Resource Management	3
M H R 610	Compensation: Theory and Administration	3
M H R 611	Strategic Talent Management	3
M H R 617	Diversity in Organizations	3
Select 2 HR Electives OR 1 HR Elective and 1 Management Elective		**6**
HR Electives		
M H R 420	Leading Change in Organizations	
M H R 612	Labor-Management Relations	
M H R 614	People Analytics	
R M I 620	Employee Benefits Management	
Management Electives		
M H R 365	Contemporary Topics	
M H R 401	Leading Teams	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	

M H R 423	Strategic Management	
M H R 604	Leadership Theory and Practice	
M H R 628	Negotiations	
Total Credits		**18**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Assess human resource management practices to align them with organizational strategies and contribute to organizational effectiveness.
2. Analyze and improve organizations’ reward and incentives structures.
3. Identify methods to effectively attract, evaluate, and retain talent within the organization.
4. Identify and address the challenges to each individual within an organizationperforming up to their full potential.
5. Formulate human resource policies and implementation plans to promoteand leverage a diverse workforce.
6. Apply effective strategies and tactics in dyadic and group settings to attaindesired outcomes.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
GEN BUS 110	1	M H R 300	3
GEN BUS 106	1	ACCT I S 100	3
MATH 211 or 221	4-5	ECON 101 or 111	4
Communications A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	Science	3
	12-13		**16-17**

Sophomore

Fall	Credits	Spring	Credits
GEN BUS 306	3	GEN BUS 307	3
ECON 102 or 111	3-4	ACCT I S 211	3
M H R 305	3	M H R 610	3
GEN BUS 360	3	GEN BUS/DS 240, 250, or 308	2
Elective	3	Science	3
	15-16		**14**

Junior

Fall	Credits	Spring	Credits
M H R 611	3	Major Elective Course	3
OTM 300	3	MARKETNG 300	3
FINANCE/ECON 300	3	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322	3	GEN BUS 250, 240, or 308	2
Literature	3	Humanities	3
	15		**14-15**

Senior

Fall	Credits	Spring	Credits
Major Elective Course	3	M H R 617	3
GEN BUS 400	3	GEN BUS 301	3
Elective	3	Elective	3-4
Elective	3	Elective	3
Elective	3	Elective	3
Elective	1-3		
	16-18		**15-16**

Total Credits 117-124

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student’s educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal

struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: MANAGEMENT AND HUMAN RESOURCES, BBA

Admissions to the Business: Management and Human Resources BBA will be suspended in fall 2025 and discontinued in fall 2029. Students interested in these areas of study should pursue the new majors: Business: Management (p. 1455), Business: Human Resource Management (p. 1440), and Business: Entrepreneurship (p. 1437).

Students in the Management and Human Resources (https://business.wisc.edu/undergraduate/majors/management-human-resources/) major can choose from various options. Students in human resources study how organizations attract, motivate, develop, and retain employees, and how they interact with organizations representing employees. Management studies focus on the activities of leadership, power, decision-making, organizational structure and change, strategy and policy, and the integration of organizational functions. Studies in entrepreneurship are designed for students who are interested in bringing new ideas to the marketplace.

RELATED STUDENT ORGANIZATIONS

Collegiate DECA (https://win.wisc.edu/organization/deca/)
Enactus (https://win.wisc.edu/organization/madisonenactus/)
Sigma Iota Epsilon (SIE) (https://www.sienational.com/)
Society for Human Resource Management (https://win.wisc.edu/organization/shrm/)
Sports Business Club (https://win.wisc.edu/organization/sportsbusinessclub/)
Wisconsin Consulting Club (WCC) (https://win.wisc.edu/organization/wcc/)
Transcend Madison (https://www.transcenduw.com/)

HOW TO GET IN

HOW TO GET IN

Admissions to the Business: Management and Human Resources BBA will be suspended in fall 2025 and discontinued in fall 2029. Students interested in these areas of study should pursue the new majors: Business: Management (p. 1455), Business: Human Resource Management (p. 1440), and Business: Entrepreneurship (p. 1437).

Students wishing to pursue this major on campus must be admitted to the School of Business. Once admitted, students are able to pursue any business major they choose. To find out more about the school's admissions process for undergraduate students, please see Entering the School (p. 1388).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
	School of Business Liberal Studies Requirements	
	Business Fundamentals Requirement	
	Business Core Requirement	
	Business Signature Requirement	

MANAGEMENT AND HUMAN RESOURCES (MHR) MAJOR REQUIREMENTS

The management and human resources major has six different options to choose from, as outlined below. Credit requirements vary based upon the option(s) students choose. Students may only declare one named option.

Code	Title	Credits
Students may complete a major in management and human resources in multiple different ways:		
Complete the requirements for the Management option only		12
Complete the requirements for the Human Resources option only		12
Complete the requirements for the Entrepreneurship option only		12
Complete the requirements for Management Entrepreneurship		18
Complete the requirements for Management Human Resources		18
Complete the requirements for Entrepreneurship Human Resources		21

MANAGEMENT AND HUMAN RESOURCES: NAMED OPTIONS

View as listView as grid

- **BUSINESS: MANAGEMENT AND HUMAN RESOURCES: ENTREPRENEURSHIP (P. 1449)**
- **BUSINESS: MANAGEMENT AND HUMAN RESOURCES: ENTREPRENEURSHIP/ HUMAN RESOURCES (P. 1450)**
- **BUSINESS: MANAGEMENT AND HUMAN RESOURCES: ENTREPRENEURSHIP/ MANAGEMENT (P. 1451)**
- **BUSINESS: MANAGEMENT AND HUMAN RESOURCES: HUMAN RESOURCES (P. 1452)**
- **BUSINESS: MANAGEMENT AND HUMAN RESOURCES: MANAGEMENT (P. 1453)**
- **BUSINESS: MANAGEMENT AND HUMAN RESOURCES: MANAGEMENT/HUMAN RESOURCES (P. 1454)**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Human Resources and Management Tracks) Understand that the management of human resources is vital to a successful business strategy and organizational effectiveness.
2. (Human Resources Track) Analyze organization compensation strategy to identify problems and develop solutions that support the organization's strategy.
3. (Human Resources Track) Discern which staffing techniques are poor, fair, and good predictors of employees' future job performance.
4. (Human Resources Track) Identify and address the various challenges currently facing labor and employment relations.

5. (Human Resources Track) Apply appropriate tactics in competitive and cooperative negotiations individually and as part of a negotiation team.
6. (Human Resources Track) Design work systems and roles that allow employees to contribute to organizational performance.
7. (Entrepreneurship Track) Develop innovative solutions to challenging problems and generate economic and socially valuable outcomes.
8. (Entrepreneurship Track) Create, assess, shape, and act on opportunities in a variety of contexts and organizations.
9. (Entrepreneurship Track) Make decisions based on mindfulness of relevant stakeholders, ethical reflections, and an attempt to create and sustain social, environmental, and economic value.
10. (Entrepreneurship Track) Incorporate cultural context and complexities when managing in a global environment.
11. (Entrepreneurship Track) Exercise appropriate leadership, value diverse perspectives, and work collaboratively to accomplish organizational objectives in a dynamic environment.
12. (Management Track) Develop successful team structures that mitigate decision-making pitfalls and interpersonal conflict while maximizing team performance.
13. (Management Track) Design successful organization structures to achieve strategic objectives and execute operational plans within a global business environment.
14. (Management Track) Diagnose management and organizational problems from an internal or external consultant's perspective and design interventions to enhance organizational effectiveness.
15. (Management Track) Evaluate an organization's internal capabilities and external pressures and maximize its competitive advantage within an industry.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

There are three named options for the MHR major from which students must choose. Students may also select any combination of two options. There are six plans below representing these options.

MANAGEMENT

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305, 399, 401, 403, or 412	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 423	3	M H R 305, 399, 401, 403, or 412	3
Ethics[1]	3-4	Business Breadth	3
Communications B	3-4	Elective	3
Elective	3	Elective	3
	12-14		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	M H R 305, 399, 401, 403, 412, 310, 365, 422, 427, or 628	3
Humanities, Social Science, or Literature	3	Business Breadth	3
Humanities, Social Science, or Literature	3	Elective	3
Elective	3	Science	3
	12		**12**

Total Credits 106-108

HUMAN RESOURCES

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 610 or 611	2-3	M H R 612	3
Communications B	3-4	Business Breadth	3
Ethics [1]	3-4	Elective	3
Elective	3	Elective	3
Elective	3		
	14-17		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	Business Breadth	3
Elective	3	Science	3
Humanities, Social Science, or Literature	3	Elective	3
Humanities, Social Science, or Literature	3	M H R 612, 365, 399, 423, 628, or R M I 620	3
	12		**12**

Total Credits 108-111

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

ENTREPRENEURSHIP

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
M H R 300	3	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ECON 102	4	OTM 300	3		
ACCT I S 100	3	M H R 434	3		
GEN BUS 360	3	MARKETNG 300	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 422	3	M H R 399, FINANCE 457, M H R 305, M H R 310, M H R 365, M H R 401, M H R 403, M H R 412, M H R 423, M H R 441, or M H R 628	3
Ethics [1]	3-4	Business Breadth	3
Communications B	3-4	Elective	3
Elective	3	Elective	3
Elective	3		
	15-17		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	M H R 427	3
Humanities, Social Science, or Literature	3	Business Breadth	3
Humanities, Social Science, or Literature	3	Science	3
Elective	3	Elective	3
	12		**12**

Total Credits 109-111

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

MANAGEMENT & HUMAN RESOURCES

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		

GEN BUS 360	3	M H R 305	3	
	16		**15**	**3**

Junior

Fall	Credits	Spring	Credits
Communications B	3-4	M H R 423	3
Ethics[1]	3-4	Business Breadth	3
Elective	3	Humanities, Social Science, or Literature	3
M H R 401, 399, 403, or 412	3	Humanities, Social Science, or Literature	3
	12-14		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	M H R 612	3
Elective	3	Business Breadth	3
M H R 610 or 611	2-3	Science	3
Elective	3	M H R 401, 399, 403, 412, 310, 365, 422, 427, or 628	3
	11-12		**12**

Total Credits 105-108

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

MANAGEMENT & ENTREPRENEURSHIP

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305, 399, 401, 403, or 412	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 422	3	Business Breadth	3
M H R 423	3	Humanities, Social Science, or Literature	3
Communications B	3-4	Elective	3
Ethics [1]	3-4	Elective	3
Elective	3	M H R 305, 399, 401, 403, or 412	3
	15-17		**15**

Senior

Fall	Credits	Spring	Credits
M H R 434, 399, or FINANCE 457	3	M H R 427	3
Humanities, Social Science, or Literature	3	Business Breadth	3
GEN BUS 301	3	Science	3
Elective	3	Elective	3
Elective	3		
	15		**12**

Total Credits 115-117

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

ENTREPRENEURSHIP & HUMAN RESOURCES

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Ethnic Studies	3	Science	3
Communications A	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 422	3	M H R 434, 399, or FINANCE 457	3
Ethics [1]	3-4	Business Breadth	3
Communications B	3-4	Humanities, Social Science, or Literature	3
Elective	3	Elective	3
Elective	3	Elective	3
	15-17		**15**

Senior

Fall	Credits	Spring	Credits
M H R 610, 611, 365, 399, 423, or 628	3	M H R 612	3
M H R 610 or 611	2-3	M H R 427	3
GEN BUS 301	3	Business Breadth	3
Humanities, Social Science, or Literature	3	Science	3
	11-12		**12**

Total Credits 111-114

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

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For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

Students who pursue a major in management go on to careers in a wide range of fields. To find more information about common industries that management majors work in following graduation, please visit our website (https://business.wisc.edu/undergraduate/majors/management-human-resources/).

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: MANAGEMENT AND HUMAN RESOURCES: ENTREPRENEURSHIP

Admissions to the Business: Management and Human Resources: Entrepreneurship named option were suspended in fall 2024 and will be discontinued in fall 2028. Students interested in this area of study should pursue the new Business: Entrepreneurship, BBA (p. 1437).

REQUIREMENTS

REQUIREMENTS

A student must take a minimum of 12 credits, distributed as follows:

Code	Title	Credits
M H R 422	Advanced Entrepreneurship	3
M H R 427	Entrepreneurial Growth Strategies	3
Select two of following courses OR one from below and one from the elective options:		6

M H R 365	Contemporary Topics (Creative Destruction Lab I and II) [1]
M H R 399	Reading and Research-Management (Double counting of M H R 399 across options within the M H R major is prohibited.)
M H R 434	Venture Creation
M H R 441	Technology Entrepreneurship
FINANCE 457	Entrepreneurial Finance
Total Credits	**12**

[1] Must take both Creative Destruction Lab I and Creative Destruction Lab II (3 credits total).

ELECTIVES

Code	Title	Credits
M H R 305	Human Resource Management	
M H R 310	Challenges & Solutions in Business Sustainability	
M H R 365	Contemporary Topics	
M H R 399	Reading and Research-Management	
M H R 401	Leading Teams	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	
M H R 420	Leading Change in Organizations	
M H R 423	Strategic Management	
M H R 604	Leadership Theory and Practice	
M H R 628	Negotiations	
M H R/ INTEGART 632	Introduction to Arts Entrepreneurship	
M H R/ INTEGART 636	Entrepreneurship in Arts & Cultural Organizations	

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
M H R 300	3	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ECON 102	4	OTM 300	3		
ACCT I S 100	3	M H R 434	3		
GEN BUS 360	3	MARKETNG 300	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 422	3	M H R 399, FINANCE 457, M H R 305, M H R 310, M H R 365, M H R 401, M H R 403, M H R 412, M H R 423, M H R 441, or M H R 628	3
Ethics [1]	3-4	Business Breadth	3
Communications B	3-4	Elective	3
Elective	3	Elective	3
Elective	3		
	15-17		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	M H R 427	3
Humanities, Social Science, or Literature	3	Business Breadth	3
Humanities, Social Science, or Literature	3	Science	3
Elective	3	Elective	3
	12		**12**

Total Credits 109-111

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

BUSINESS: MANAGEMENT AND HUMAN RESOURCES: ENTREPRENEURSHIP/ HUMAN RESOURCES

Admissions to the Business: Management and Human Resources: Entrepreneurship/Human Resources named option were suspended in fall 2024 and will be discontinued in fall 2028. Students interested in these areas of study should pursue the new majors in Business: Entrepreneurship (p. 1437) and Business: Human Resource Management (p. 1440).

REQUIREMENTS

REQUIREMENTS

This double option requires 21 credits; the layout of classes are found below:

Code	Title	Credits
Core		
M H R 305	Human Resource Management	3
M H R 422	Advanced Entrepreneurship	3
M H R 427	Entrepreneurial Growth Strategies	3
M H R 434	Venture Creation [1]	3
or FINANCE 457	Entrepreneurial Finance	
or M H R 399	Reading and Research-Management	
Complete 3 of the following OR 2 of the following and 1 elective:		9
M H R 610	Compensation: Theory and Administration	
M H R 611	Strategic Talent Management	
M H R 612	Labor-Management Relations	
M H R 614	People Analytics	
Electives:		
M H R 365	Contemporary Topics	
M H R 399	Reading and Research-Management [1]	
M H R 420	Leading Change in Organizations	
M H R 423	Strategic Management	
M H R 441	Technology Entrepreneurship	
M H R 617	Diversity in Organizations	
M H R 628	Negotiations	
M H R/ INTEGART 632	Introduction to Arts Entrepreneurship	
M H R/ INTEGART 636	Entrepreneurship in Arts & Cultural Organizations	
R M I 620	Employee Benefits Management	
Total Credits		**21**

[1] Double counting of M H R 399 Reading and Research-Management within this option is prohibited.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Ethnic Studies	3	Science	3
Communications A	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 422	3	M H R 434, 399, or FINANCE 457	3
Ethics [1]	3-4	Business Breadth	3
Communications B	3-4	Humanities, Social Science, or Literature	3
Elective	3	Elective	3
Elective	3	Elective	3
	15-17		**15**

Senior

Fall	Credits	Spring	Credits
M H R 610, 611, 365, 399, 423, or 628	3	M H R 612	3
M H R 610 or 611	2-3	M H R 427	3
GEN BUS 301	3	Business Breadth	3
Humanities, Social Science, or Literature	3	Science	3
	11-12		**12**

Total Credits 111-114

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

BUSINESS: MANAGEMENT AND HUMAN RESOURCES: ENTREPRENEURSHIP/ MANAGEMENT

Admissions to the Business: Management and Human Resources: Entrepreneurship/Management named option were suspended in fall 2024 and will be discontinued in fall 2028. Students interested in these areas of study should pursue the new majors in Business: Entrepreneurship (p. 1437) and Business: Management (p. 1455).

REQUIREMENTS

REQUIREMENTS

This double option requires 18 credits; the layout of classes is found below:

Code	Title	Credits
M H R 422	Advanced Entrepreneurship	3
M H R 423	Strategic Management	3
M H R 427	Entrepreneurial Growth Strategies	3
M H R 434	Venture Creation [1]	3
or FINANCE 457	Entrepreneurial Finance	
or M H R 399	Reading and Research-Management	
Choose two of the following:		6
M H R 305	Human Resource Management	
M H R 365	Contemporary Topics	
M H R 399	Reading and Research-Management [1]	
M H R 401	Leading Teams	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	
M H R 420	Leading Change in Organizations	
M H R 441	Technology Entrepreneurship	
M H R 604	Leadership Theory and Practice	
M H R 617	Diversity in Organizations	
M H R/ INTEGART 632	Introduction to Arts Entrepreneurship	
M H R/ INTEGART 636	Entrepreneurship in Arts & Cultural Organizations	
Total Credits		**18**

[1] Double counting of M H R 399 Reading and Research-Management within this option is prohibited.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305, 399, 401, 403, or 412	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 422	3	Business Breadth	3
M H R 423	3	Humanities, Social Science, or Literature	3
Communications B	3-4	Elective	3
Ethics [1]	3-4	Elective	3
Elective	3	M H R 305, 399, 401, 403, or 412	3
	15-17		**15**

Senior

Fall	Credits	Spring	Credits
M H R 434, 399, or FINANCE 457	3	M H R 427	3
Humanities, Social Science, or Literature	3	Business Breadth	3
GEN BUS 301	3	Science	3
Elective	3	Elective	3
Elective	3		
	15		**12**

Total Credits 115-117

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

BUSINESS: MANAGEMENT AND HUMAN RESOURCES: HUMAN RESOURCES

Admissions to the Business: Management and Human Resources: Human Resources named option were suspended in fall 2024 and will be discontinued in fall 2028. Students interested in this area of study should pursue the new Business: Human Resource Management, BBA (p. 1440).

HUMAN RESOURCES OPTION

Students in human resources management study how organizations attract, motivate, develop, and retain employees, and how they interact with organizations representing employees. Topics covered include recruiting, external and internal staffing, compensation theory and administration, performance management, training and development, labor-management relations, and equal employment opportunity. This

concentration is pursued by students seeking staff jobs in the human resources department, supervisory and team leader jobs, and entry into management training programs that precede job placement. It is appropriate for those who seek positions in both public and private sector organizations.

REQUIREMENTS

REQUIREMENTS

A student must take a minimum of 12 credits, distributed as follows:

Code	Title	Credits
Core		
M H R 305	Human Resource Management	3
Electives		
Complete 3 of the following HR electives OR 2 of the following and 1 Management elective:		9-10
Human Resources		
M H R 420	Leading Change in Organizations	
M H R 610	Compensation: Theory and Administration	
M H R 611	Strategic Talent Management	
M H R 612	Labor-Management Relations	
M H R 614	People Analytics	
Management		
M H R 365	Contemporary Topics	
M H R 399	Reading and Research-Management (Double counting of M H R 399 across options within the M H R major is prohibited.)	
M H R 401	Leading Teams	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	
M H R 423	Strategic Management	
M H R 604	Leadership Theory and Practice	
M H R 617	Diversity in Organizations	
M H R 628	Negotiations	
ECON 450	Wages and the Labor Market	
R M I 620	Employee Benefits Management	
Total Credits		**12-13**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 610 or 611	2-3	M H R 612	3
Communications B	3-4	Business Breadth	3
Ethics [1]	3-4	Elective	3
Elective	3	Elective	3
Elective	3		
	14-17		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	Business Breadth	3
Elective	3	Science	3
Humanities, Social Science, or Literature	3	Elective	3
Humanities, Social Science, or Literature	3	M H R 612, 365, 399, 423, 628, or R M I 620	3
	12		**12**

Total Credits 108-111

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

BUSINESS: MANAGEMENT AND HUMAN RESOURCES: MANAGEMENT

Admissions to the Business: Management and Human Resources: Management named option were suspended in fall 2024 and will be discontinued in fall 2028. Students interested in this area of study should pursue the new Business: Management, BBA (p. 1455).

MANAGEMENT OPTION

This major focuses on the activities of management in organizations. Course material covers leadership, power, decision-making, organizational

structure and change, strategy and policy, and the integration of organizational functions (such as marketing and finance). The topics apply to business, government, health care, and other service organizations. This concentration is especially appropriate for students who seek roles as general managers and administrators at all levels of an organization, rather than roles as technical specialists. Students are also helped in developing a long-term perspective of both their own careers and the function of management in organizations and society.

REQUIREMENTS

REQUIREMENTS

Students must take a minimum of 12 credits, distributed as follows:

Code	Title	Credits
Core		
M H R 423	Strategic Management	3
Complete 3 of the following OR 2 of the following and 1 elective		9
M H R 305	Human Resource Management	
M H R 399	Reading and Research-Management (Double counting of M H R 399 across options within the M H R major is prohibited.)	
M H R 401	Leading Teams	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	
M H R 420	Leading Change in Organizations	
Electives		
M H R 310	Challenges & Solutions in Business Sustainability	
M H R 365	Contemporary Topics	
M H R 422	Advanced Entrepreneurship	
M H R 427	Entrepreneurial Growth Strategies	
M H R 604	Leadership Theory and Practice	
M H R 611	Strategic Talent Management	
M H R 617	Diversity in Organizations	
M H R 628	Negotiations	
COM ARTS 575	Communication in Complex Organizations	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
PSYCH/I SY E 349	Introduction to Human Factors	
PSYCH/I SY E 653	Organization and Job Design	
SOC 632	Sociology of Organizations	
Total Credits		**12**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Students must complete 120 credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305, 399, 401, 403, or 412	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
M H R 423	3	M H R 305, 399, 401, 403, or 412	3
Ethics[1]	3-4	Business Breadth	3
Communications B	3-4	Elective	3
Elective	3	Elective	3
	12-14		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	M H R 305, 399, 401, 403, 412, 310, 365, 422, 427, or 628	3
Humanities, Social Science, or Literature	3	Business Breadth	3
Humanities, Social Science, or Literature	3	Elective	3
Elective	3	Science	3
	12		**12**

Total Credits 106-108

BUSINESS: MANAGEMENT AND HUMAN RESOURCES: MANAGEMENT/HUMAN RESOURCES

Admissions to the Business: Management and Human Resources: Management/Human Resources named option were suspended

in fall 2024 and will be discontinued in fall 2028. Students interested in these areas of study should pursue the new majors in Business: Management (p. 1455) and Business: Human Resource Management (p. 1440).

REQUIREMENTS

REQUIREMENTS

This double option requires 18 credits; the layout of classes is found below:

Code	Title	Credits
Core		
M H R 305	Human Resource Management	3
M H R 423	Strategic Management	3
Complete 2 of the following:		6
M H R 610	Compensation: Theory and Administration	
M H R 611	Strategic Talent Management	
M H R 612	Labor-Management Relations	
M H R 614	People Analytics	
Complete 2 of the following OR 1 of the following and 1 elective:		6
M H R 399	Reading and Research-Management	
M H R 401	Leading Teams	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	
M H R 420	Leading Change in Organizations	
M H R 604	Leadership Theory and Practice	
M H R 617	Diversity in Organizations	
Electives		
M H R 310	Challenges & Solutions in Business Sustainability	
M H R 365	Contemporary Topics	
M H R 422	Advanced Entrepreneurship	
M H R 427	Entrepreneurial Growth Strategies	
M H R 628	Negotiations	
Total Credits		**18**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Students must complete 120 credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
MATH 211	4	ECON 101	4
GEN BUS 110	1	PSYCH 202	3
Communications A	3	Science	3
Ethnic Studies	3	Humanities, Social Science, or Literature	3
	11		**13**

Sophomore

Fall	Credits	Spring	Credits	Summer	Credits
ECON 102	4	GEN BUS 307	3	FINANCE/ ECON 300	3
GEN BUS 306	3	ACCT I S 211	3		
ACCT I S 100	3	OTM 300	3		
M H R 300	3	MARKETNG 300	3		
GEN BUS 360	3	M H R 305	3		
	16		**15**		**3**

Junior

Fall	Credits	Spring	Credits
Communications B	3-4	M H R 423	3
Ethics[1]	3-4	Business Breadth	3
Elective	3	Humanities, Social Science, or Literature	3
M H R 401, 399, 403, or 412	3	Humanities, Social Science, or Literature	3
	12-14		**12**

Senior

Fall	Credits	Spring	Credits
GEN BUS 301	3	M H R 612	3
Elective	3	Business Breadth	3
M H R 610 or 611	2-3	Science	3
Elective	3	M H R 401, 399, 403, 412, 310, 365, 422, 427, or 628	3
	11-12		**12**

Total Credits 105-108

[1] Students must choose one of the following courses: PHILOS 241 Introductory Ethics, PHILOS 243 Ethics in Business, PHILOS 341 Contemporary Moral Issues, PHILOS/ENVIR ST 441 Environmental Ethics

BUSINESS: MANAGEMENT, BBA

Founded in 1900, the School of Business established one of the first five business programs in the nation. That entrepreneurial spirit remains strong.

As a student in the School of Business, you will find yourself inspired by peers, staff, alumni, business leaders, and world-renowned faculty who are focused, collaborative, and engaged in every aspect of the student experience. You will join a highly-ranked program that equips you to meet both academic and career challenges. Employers value School of Business graduates because of the comprehensive preparation this

learning environment provides. Graduates possess highly sought-after general management and specialized expertise in business.

Joining collaborative, inspiring, trustworthy, and progressive School of Business alumni, Business Badger graduates are prepared to lead their organizations to success and transform the world of business. Together Forward!

BACHELOR OF BUSINESS ADMINISTRATION IN BUSINESS: MANAGEMENT

The BBA in Management (BBAM) degree prepares students to plan, organize, direct, and orchestrate the activities and resources of organizations in various industries and sectors. Students who pursue the BBAM degree will learn how to formulate and implement effective strategies that enable organizations to achieve their vision, mission, and objectives as well as to adapt to changing industry conditions and competitive forces.

The program is open to students who have completed the pre-business requirements and have been admitted to the School of Business. BBAM students will complete a core curriculum that covers the fundamentals of business, such as accounting, finance, marketing, operations, and strategy. Additionally, BBAM students will choose from a variety of electives that focus on different aspects of management, such as inclusive leadership, organizational behavior, strategic innovation, organizational change, international business, and social responsibility. BBM students will also have the opportunity to participate in experiential learning activities, such as case competitions, consulting projects, and simulations.

The BBAM degree aims to develop students' knowledge and skills in management as well as their professional and ethical values. Students will gain an understanding of the theories and frameworks that underlie management along with practical tools and techniques that are applicable in diverse organizational contexts. They will have the ability to assess the financial, marketing, and operational implications of organizational strategies, identify and appropriate business value through analysis and action, and communicate ideas and recommendations to others. Students will also develop collaboration skills.

The BBAM degree opens up a wide range of career paths for graduates, including roles involving project management, business development, and strategic or financial analysis where an understanding of an organization's strategy, design, process, culture, and context are desirable. Whether they choose to work as managers or consultants, entrepreneurs or analysts, BBAM graduates will be equipped with the skills and knowledge to lead private businesses, nonprofit organizations, and public-interest agencies.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))
Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Management cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: MANAGEMENT

Students must take a minimum of 18 credits, distributed as follows:

Code	Title	Credits
Core		
M H R 401	Leading Teams	3
M H R 420	Leading Change in Organizations	3
M H R 423	Strategic Management	3
M H R 628	Negotiations	3
Electives (choose from the following)		**6**
COM ARTS 575	Communication in Complex Organizations	
M H R 305	Human Resource Management	
M H R 310	Challenges & Solutions in Business Sustainability	
M H R 322	Introduction to Entrepreneurship	
M H R 365	Contemporary Topics [1]	
M H R/ INTL BUS 403	Global Issues in Management	
M H R 412	Management Consulting	
M H R 604	Leadership Theory and Practice	
M H R 617	Diversity in Organizations	
MARKETNG 305	Consumer Behavior	

MARKETNG/ OTM 421	Fundamentals of Supply Chain Management
MARKETNG 460	Marketing Strategy
OTM 351	Business Process Improvement
OTM 370	Sustainable Approaches to System Improvement
OTM 451	Service Operations Management
R M I 640	Management of Insurance Enterprise
SOC 632	Sociology of Organizations
Total Credits	**18**

[1] Only 3 credits can be counted towards the 6 required Elective credits.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Analyze organizational capabilities and external opportunities to develop strategies in pursuit of competitive advantages.
2. Assess and respond to different types of change in the competitive environment (technological, rivals' actions, disruption, etc.) that may affect a firm's strategic position.
3. Develop appropriate tactics in competitive and cooperative negotiations to promote team effectiveness, manage conflict, and support organizational strategies when negotiating with external partners.
4. Develop team norms, routines, and structures to maximize team performance and align with organizational goals and strategies.
5. Diagnose management, organizational, and environmental challenges from a change agent's perspective and design interventions to enhance effectiveness and stakeholder value.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
GEN BUS 110	1	M H R 300	3
GEN BUS 106	1	ACCT I S 100	3
MATH 211 or 221	4-5	ECON 101 or 111	4
Communications A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	Science	3
	12-13		**16-17**

Sophomore

Fall	Credits	Spring	Credits
GEN BUS 306	3	GEN BUS 307	3
ECON 102 or 111	3-4	ACCT I S 211	3
M H R 401	3	M H R 423	3
GEN BUS 360	3	GEN BUS/DS 240, 250, or 308	2
Elective	3	Science	3
	15-16		**14**

Junior

Fall	Credits	Spring	Credits
M H R 420	3	Major Elective Course	3
OTM 300	3	MARKETNG 300	3
FINANCE/ECON 300	3	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322	3	GEN BUS 250, 240, or 308	2
Literature	3	Humanities	3
	15		**14-15**

Senior

Fall	Credits	Spring	Credits
M H R 628	3	Major Elective Course	3
GEN BUS 400	3	GEN BUS 301	3
Elective	3-4	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
		Elective	1-3
	15-16		**16-18**

Total Credits 117-124

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

ENTREPRENEURSHIP, CERTIFICATE

The undergraduate certificate in entrepreneurship (https://business.wisc.edu/undergraduate/certificates/entrepreneurship/) is one of the most popular certificates at UW–Madison. It offers opportunities for **non-business undergraduates** interested in learning the skills for entrepreneurial thinking. These skills are critical both now and in the future if you are starting a new venture, working for a startup, or tackling new ventures within existing organizations. Modern businesses rely heavily on the ability to recognize and seize opportunities. Cutting-edge technologies, innovative business models, and ever-changing market landscapes determine which firms thrive and which do not. Taking initiative, thinking entrepreneurially, and acting upon opportunities are key ingredients of success in this environment.

This certificate program offers a distinct array of courses that combine business entrepreneurship classes with the curricula of several colleges and schools at UW–Madison. Classes in entrepreneurship and related topics provide the skills necessary to succeed throughout a student's career. Student projects outside the classroom with local firms or student ventures provide students with hands-on business experience. This certificate program helps prepare students for roles such as business founder, product manager, engineer/scientist, new product designer, marketing or finance professional, nonprofit administrator, or consultant.

HOW TO GET IN

HOW TO GET IN

The certificate is open to undergraduates declared in a major outside of the School of Business who are in good academic standing. Students declared in a major in the School of Business are not eligible for the certificate and should explore the Business: Entrepreneurship, BBA (p. 1437).

To declare the Certificate in Entrepreneurship, complete the declaration form linked within the Contact Information box.

REQUIREMENTS

REQUIREMENTS

A total of 15 credits is required to complete the certificate which includes a foundation course, advanced entrepreneurship coursework, and electives. Students are strongly encouraged to participate in related non-credit entrepreneurship immersion experiences such as competitions and student organizations.

- At least 9 of the required 15 credits for the certificate must be completed in residence.
- Students must earn a 2.5 cumulative GPA in all certificate in entrepreneurship coursework.

FOUNDATION COURSEWORK

Code	Title	Credits
M H R 322	Introduction to Entrepreneurship	3

ADVANCED ENTREPRENEURSHIP COURSEWORK

Select 3 credits from the following list. Some courses may have pre-requisites, so please make sure those are satisfied before selecting a course.

Code	Title	Credits
FINANCE 457	Entrepreneurial Finance	3
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors (Recommended)	3
or ACCT I S 100	Introductory Financial Accounting	
or ACCT I S 300	Accounting Principles	
M H R 415	Strategic Management of Innovation and Corporate Entrepreneurship	3
M H R 422	Advanced Entrepreneurship	3
M H R 434	Venture Creation	3
M H R 438	Wisconsin Applied Ventures in Entrepreneurship (WAVE)	3
M H R 441	Technology Entrepreneurship	3
M H R 640	Creative Destruction Lab I	1
M H R 641	Creative Destruction Lab II	2

ELECTIVE COURSEWORK

Select 9 credits of other elective coursework either from the list below or courses from the advanced entrepreneurship course list above.

Code	Title	Credits
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	3
A A E/ECON/ ENVIR ST/ URB R PL 671	Energy Economics	3
ART 338	Service Learning in Art	2
CNSR SCI 250	Retail Leadership Symposium	1
CNSR SCI 257	Introduction to Retail	2
CNSR SCI 555	Consumer Design Strategies & Evaluation	3
CNSR SCI 561	Consumer Engagement Strategies	3
CNSR SCI 567	Product Development Strategies in Retailing	3
CNSR SCI 665	Household Risk Management	3
COM ARTS 355	Introduction to Media Production	4
COMP SCI/ E C E 506	Software Engineering	3
COMP SCI 571	Building User Interfaces	3
ECON/A A E/ ENVIR ST/ URB R PL 671	Energy Economics	3
GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	3
I SY E 313	Engineering Economic Analysis	3
I SY E/PSYCH 653	Organization and Job Design	3
I SY E/B M E 662	Design and Human Disability and Aging	3
INTL ST/A A E 373	Globalization, Poverty and Development	3
JOURN 447	Strategic Media Planning	4
KINES 312	Technology for Physical Activity and Health Professionals	2
LSC 250	Research Methods in the Communication Industry	3
LSC 270	Marketing Communication for the Sciences	3
LSC 350	Visualizing Science and Technology	3
LSC 432	Social Media for the Sciences	3
LSC 435	Brand Strategy for the Sciences	3
LSC 440	Digital Media and Science Communication	3
LSC 625	Risk Communication	3
LSC 640	Case Studies in the Communication of Science and Technology	3
M E 349	Engineering Design Projects	3
M E 351	Interdisciplinary Experiential Design Projects I	3
M E 352	Interdisciplinary Experiential Design Projects II	3
M E 549	Product Design	3
M H R 300	Managing Organizations	3
M H R 305	Human Resource Management	3
M H R 320	New Ventures in Business, the Arts and Social Entrepreneurship (restricted to students in the StartUp Learning Community)	3
M H R 321	Social Entrepreneurship (restricted to students in the StartUp Learning Community)	1
M H R/A A E 540	Intellectual Property Rights, Innovation and Technology	3
M H R 628	Negotiations	3
M H R/ INTEGART 632	Introduction to Arts Entrepreneurship	3
M H R/ INTEGART 636	Entrepreneurship in Arts & Cultural Organizations	3
M H R 640	Creative Destruction Lab I	1
M H R 641	Creative Destruction Lab II	2
MARKETNG 300	Marketing Management	3
MARKETNG 340	Technology Product Marketing	3
MARKETNG 355	Marketing in a Digital Age	3
MARKETNG 426	Strategic Retailing	3
MARKETNG 437	New Product Innovation	3
PHILOS 243	Ethics in Business	3-4
R M I 300	Principles of Risk Management	3
R M I 650	Sustainability, Environmental and Social Risk Management	3
REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process	3
REAL EST 415	Valuation of Real Estate	3
STS 201	Where Science Meets Society	3
THEATRE 260	Producing Theatre	3
THEATRE 501	The Business of Acting	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Correctly demonstrate knowledge of basic market discovery techniques and apply basic market discovery techniques.
2. Demonstrate proficiency in knowing the basic steps taken to start a new venture.
3. Demonstrate knowledge of career paths in entrepreneurship.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who have declared the Certificate in Entrepreneurship will be assigned to the Business Certificate Advising Committee.

MARKETING

Marketing is the dynamic force that bridges organizations and customers, creating vibrant exchanges that drive success. It encompasses the thrilling journey of planning, designing, pricing, promoting, and distributing goods and services that meet the needs of both organizations and their customers. In the bustling economy of the United States and many other countries, marketing has evolved into a critical and comprehensive business function, becoming increasingly broad and vital.

Students diving into the world of marketing can explore a plethora of exciting career opportunities, including: advertising/public relations/communication, digital marketing, general marketing, marketing research/analyst, merchandising/buyer/planner, product/brand management, business-to-business (B2B), sales/business development, sports marketing & communication and supply chain management.

Today's marketing managers must master not only the traditional realms of marketing channels, sales management, advertising, and research, but also understand the intricate motivations of consumers and distributors. They must skillfully translate insights into compelling marketing strategies. The marketing program is designed to be broad enough to provide a comprehensive understanding of these areas, yet flexible enough to allow students to focus on their specific interests.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Business Administration: Marketing, BBA (p. 1461)
- Business: Marketing, BBA (p. 1463)

BUSINESS ADMINISTRATION: MARKETING, BBA

If you're a strategic thinker and a creative problem-solver, then advancing in a career in marketing could be a good choice for you. Marketing is a diverse field that involves in-demand skills desired by top employers, large and small. It's also a growing field, particularly in the digital realm. Successful marketers will be analytical, creative and know how to leverage technology.

The BBA in Business Administration: Marketing, offered fully online, provides a robust foundation in business. From the highly ranked School of Business, you will gain valuable skills in communication, collaboration, creativity, relationship building and planning. You will learn to implement strategies related to product, place/distribution, price and promotion; analyze market segments and generate effective plans; leverage relevant sources to determine and support marketing actions; and apply analytical rigor to decisions.

Graduates pursue a variety of careers in marketing, including brand/product management, marketing research/analytics, sales management, advertising, business-to-business marketing, digital and social media, consulting, and supply chain management. You could be a product manager, social media strategist or market research analyst, among other dynamic jobs.

HOW TO GET IN

HOW TO GET IN

Students applying to the BBA in Business Administration-Marketing program apply through UW-Madison Online (https://online.wisc.edu/). UW–Madison Online undergraduate programs are for those applying as transfer students (i.e., those transferring at least 12 college credits). UW-Madison re-entry students may also be considered. For more information, visit the UW-Madison Online admissions website (https://online.wisc.edu/apply/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) in Business Administration online degree program combines general liberal education requirements with a broad coverage of core business disciplines to create a strong academic foundation upon which students delve deeply into their majors.

SCHOOL OF BUSINESS LIBERAL STUDIES REQUIREMENTS

Liberal studies requirements must be completed prior to graduation.

Code	Title	Credits
Communication Part A		
Complete one course designated Communication Part A or completion of Communication Part A based on UW Placement Test		0-3
Economics		
Select one of the following:		4
ECON 101	Principles of Microeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Human Behavior		
Complete one course in Psychology or Sociology		3
Math		
Three credits satisfied by placement exam or one of the following courses:		0-4
MATH 112, 113, 114, 171, 211, 213, 217, 221, or 222		
Literature		
Select one 3 (or more) credit course designated Literature (L)		3
Science		
Select six credits designated Biological, Natural or Physical Science. Courses in Mathematics and Statistics cannot be used to fulfill this requirement.		6
Ethnic Studies		
Select one 3 (or more) credit course designated Ethnic Studies (e)		3
Ethics		
Select one of the following:		3-4
PHILOS 241	Introductory Ethics	
PHILOS 243	Ethics in Business	
PHILOS 341	Contemporary Moral Issues	
PHILOS/ ENVIR ST 441	Environmental Ethics	
Total Credits		**22-30**

BUSINESS FUNDAMENTALS REQUIREMENT

All students must take the following:

Code	Title	Credits
GEN BUS 110	Personal and Professional Foundations in Business	1
GEN BUS 106	Foundational Skills for Business Analysis	1
GEN BUS 206	Beginning Data Analysis for Business	3
GEN BUS 207	Intermediate Data Analysis for Business	3
GEN BUS 360	Workplace Writing and Communication	3
ECON 102	Principles of Macroeconomics	3-4
or ECON 111	Principles of Economics-Accelerated Treatment	
ACCT I S 100	Introductory Financial Accounting	3
ACCT I S 211	Introductory Managerial Accounting	3
Total Credits		**20-21**

BUSINESS CORE REQUIREMENT

Code	Title	Credits
FINANCE/ ECON 300	Introduction to Finance	3
MARKETNG 300	Marketing Management	3
M H R 300	Managing Organizations	3
OTM 300	Operations and Supply Chain Management	3
GEN BUS 301	Business Law	3
Total Credits		**15**

BBA IN BUSINESS ADMINISTRATION - MARKETING MAJOR REQUIREMENTS

All Business Administration-Marketing majors must take MARKETNG 300 Marketing Management, which is a Business Core Requirement and a prerequisite for most of the undergraduate marketing courses. The BBA in Business Administration-Marketing major is a total of 15 credits consisting of the following 3 required courses and 6 credits of MARKETNG electives.

Code	Title	Credits
Required Courses		
MARKETNG 305	Consumer Behavior	3
MARKETNG 310	Marketing Research	3
MARKETNG 460	Marketing Strategy	3
Elective Coursework		
Select a minimum of 6 additional MARKETNG credits		6
Total Credits		**15**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply analytical rigor to marketing decisions.
2. Locate, evaluate, and leverage relevant sources to determine and support their marketing actions.
3. Demonstrate the ability to formulate and implement marketing strategies related to product, place/distribution, price, promotion.
4. Demonstrate the ability to evaluate and analyze appropriate market segments and generate effective marketing plans.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This program is designed for transfer students, most of whom will enroll on a part-time basis. As such, there is not a four-year plan for this program. Please refer to the Requirements tab for more information about the curriculum and program plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

ACCESSING ADVISING

Each UW-Madison Online student is assigned an academic advisor. The academic advisor will support the academic and personal success of each student including assisting students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin experience.

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: MARKETING, BBA

DIVE INTO THE WORLD OF MARKETING!

In the marketing major, you'll master the core principles of marketing—product, place, price, and promotion—and discover how these elements shape business strategies across various industries. Marketing is a critical, dynamic, and multi-faceted area of business that facilitates exchanges between organizations and customers. The marketing function is integral to organizations and businesses of all sizes, from global enterprises to start-ups, and spans services such as healthcare and banking, as well as nonprofits and municipalities. You'll explore the art of building strong relationships with customers and channel partners, a crucial aspect of successful marketing. As a marketing professional, you'll develop a diverse skill set that includes both qualitative and quantitative analysis, critical thinking, creativity, communication, and problem-solving. Our marketing major provides a robust foundation in marketing principles while offering the flexibility to delve into specialized areas that ignite your passion.

Ready to shape the future of business? Join us and turn your creativity and strategic thinking into a powerful career! Learn more about the marketing major (https://business.wisc.edu/undergraduate/majors/marketing/).

RECOGNITION

The Marketing Department at the School of Business was ranked 8th in the United States by *U.S. News & World Report* for 2024-2025.

RELATED STUDENT ORGANIZATIONS

American Marketing Association (AMA) (https://win.wisc.edu/organization/amabadgers/)
Madison Marketing (https://win.wisc.edu/organization/madisonmarketing/)
MKT Honorary Marketing Society (https://www.mktsocietyuw.com/)
Professional Sales Association (https://win.wisc.edu/organization/professionalsalesassociation/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Marketing cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: MARKETING MAJOR REQUIREMENTS

All marketing majors must take MARKETNG 300 Marketing Management, which is a business core course and a prerequisite for most of the undergraduate marketing courses. In addition to MARKETNG 300, the major consists of three required marketing courses and a minimum of nine additional MARKETNG credits. These required and elective courses can be taken in any order, with the exception of MARKETNG 460 Marketing Strategy. MARKETNG 460 should be taken after completing MARKETNG 305 Consumer Behavior and MARKETNG 310 Marketing Research and preferably in the final year of the major.

Code	Title	Credits
MARKETNG 305	Consumer Behavior	3
MARKETNG 310	Marketing Research	3
MARKETNG 460	Marketing Strategy	3
Elective Coursework: Select a minimum of 9 additional MARKETNG credits. Students may choose elective coursework that follows a specific "career path".		9
Total Credits		**18**

POTENTIAL MARKETING CAREER GUIDANCE AND CAREER PATHS

For further information on recommended electives and career paths, see the Department of Marketing website linked within the Contact Information box.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate the ability to formulate and implement marketing strategies related to product, place/distribution, price, promotion.
2. Demonstrate the ability to evaluate and analyze appropriate market segments and generate effective marketing plans.
3. Locate, evaluate, and leverage relevant sources to determine and support their marketing actions.
4. Apply analytical rigor to marketing decisions.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman		
Fall	**Credits Spring**	**Credits**
Communications A	3 MARKETNG 300	3
ECON 101 or 111	4 MATH 211 or 221	4-5
Ethnic Studies	3 Humanities	3
Science	3 ECON 102 or 111	4
GEN BUS 110	1	

GEN BUS 106	1		
	15		**14-15**

Sophomore

Fall	**Credits**	**Spring**	**Credits**
ACCT I S 100	3	ACCT I S 211	3
GEN BUS 306	3	GEN BUS 307	3
PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4	MARKETNG 305	3
GEN BUS/DS 240, 250, or 308 (Take One)	2	OTM 300	3
Elective	4	GEN BUS 360	3
	15-16		**15**

Junior

Fall	**Credits**	**Spring**	**Credits**
Marketing Elective	3	Marketing Elective	3
MARKETNG 310	3	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
M H R 300	3	Literature	3
GEN BUS 250, 240, or 308 (Take One)	2	FINANCE/ECON 300	3
Elective	4	Elective	3
	15		**15-16**

Senior

Fall	**Credits**	**Spring**	**Credits**
GEN BUS 400	3	GEN BUS 301	3
MARKETNG 460	3	Marketing Elective	3
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322 (Take One)	3	Science	3
Elective	3	Elective	3
Elective	4	Elective	3
	16		**15**

Total Credits 120-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

Unleash the power of marketing! Marketing is the heartbeat of business, driving dynamic exchanges between organizations and customers. It's a critical, ever-evolving field that spans every corner of the business world—from global enterprises to innovative start-ups, and from essential services like healthcare and banking to impactful nonprofits and municipalities. As a marketing student, you'll unlock a world of career possibilities, including: advertising/public relations/communication, digital marketing, general marketing, marketing research/analyst, merchandising/buyer/planner, product/brand management, business-to-business (B2B), sales/business development, sports marketing & communication and supply chain management.

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

OPERATIONS AND INFORMATION MANAGEMENT

The Department of Operations and Technology Management administers the operations and technology management major, the information systems major, and the supply chain management major.

The Operations and Technology Management (OTM) major focuses on the design, production, and delivery of products and services to satisfy customer needs. It equips students with the essential tools and strategies to use resources efficiently, make desirable trade-offs, and strategically redesign or restructure operations. OTM majors distinguish themselves by strong analytical and problem-solving capabilities together with the ability to provide high-level managerial insights into value-based service and production management.

Built on a solid foundation of a business and information technology (IT) curriculum, the major in Information Systems delivers a unique blend of business acumen, industry standards, and practical computing instruction. Students enjoy successful placement and satisfying careers because they possess both the in-depth knowledge of business processes and the ability to readily translate business requirements into value-added IT solutions. The curriculum is designed to prepare effective leaders in the design, development, and management of information systems—the lifeblood of a successful business model. Students learn how to use computer technologies to analyze business problems and processes in order to design and implement computer-based information systems which support business operations, decision-making, and planning. Career opportunities exist in management consulting and in industry in the areas of systems development, database administration, network management and as corporate information systems managers.

The field of supply chain management (SCM) is a critical area of competitive advantage for businesses around the world. SCM integrates business functions concerned with the movement of goods, services, and information along the value chain with the goal of creating value for the end customer. Supply Chain Management majors learn how to develop appropriate strategies through exploration of logistics, routes to market, analytics, sourcing, and IT systems. In today's complex business environment, there is a need to coordinate these supply chain functions not only within the firm, but with business partners and customers.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Business: Information Systems, BBA (p. 1467)
- Business: Operations and Technology Management, BBA (p. 1470)
- Business: Supply Chain Management, BBA (p. 1474)

BUSINESS: INFORMATION SYSTEMS, BBA

Built on a solid foundation of a business and information technology (IT) curriculum, the major in Information Systems (https://business.wisc.edu/undergraduate/majors/information-systems/) delivers a unique blend of business acumen, industry standards, and practical computing instruction. Students enjoy successful placement and satisfying careers because they possess both the in-depth knowledge of business processes and the ability to readily translate business requirements into value-added IT solutions. The curriculum is designed to prepare effective leaders in the design, development, and management of information systems—the lifeblood of a successful business model. Courses emphasize both individual and team projects based on actual applications of the subject matter.

The major in Information Systems is administered by the Department of Operations and Information Management.

RELATED STUDENT ORGANIZATIONS

Information Systems Society (https://win.wisc.edu/organization/informationsystemssociety/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))
Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.

Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Information Systems cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: INFORMATION SYSTEMS MAJOR REQUIREMENTS

The information systems major is a total of 19 credits, distributed as follows:

Code	Title	Credits
COMP SCI 220	Data Science Programming I	4
INFO SYS 322	Introduction to Databases	3
INFO SYS 371	Technology of Computer-Based Business Systems	3
INFO SYS 424	Systems Analysis and Design	3
Choose two of the following:		6
INFO SYS 352	Digital Strategy	
INFO SYS 365	Contemporary Topics	
INFO SYS 423	Digital Platform Analytics	
Total Credits		**19**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand how to manage data, model information, and apply appropriate information technology to create effective business solutions.
2. Understand how to use computer technologies to analyze business problems and processes.
3. Design and implement computer#based information systems which support business operations, decision-making, and planning.
4. Develop proficiency in project management, consulting, teamwork, conflict resolution, time management, and oral and written communication skills.
5. Effectively lead organizations in the design, development, and management of information systems.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs. Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Literature	3
MATH 211 or 221	4-5	ECON 102 or 111	3-4
ECON 101 or 111	4	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
GEN BUS 106	1	Science	3
GEN BUS 110	1	GEN BUS 306	3
Ethnic Studies	3		
	16-17		**15-17**

Sophomore

Fall	Credits	Spring	Credits
ACCT I S 100	3	COMP SCI 220	4
OTM 300	3	GEN BUS/DS 240, 250, or 308 (Take One)	2
Science	3	GEN BUS 360	3
GEN BUS 307	3	ACCT I S 211	3
INFO SYS 322	3	MARKETNG 300	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
INFO SYS 352, 423, or 365	3	INFO SYS 423, 352, or 365	3
FINANCE/ECON 300	3	INFO SYS 371	3
PHILOS 241, 243, 341, or 441 (Ethics)	3-4	M H R 300	3
Elective	3	GEN BUS 250, 240, or 308 (Take One)	2
Elective	2	Elective	3
	14-15		**14**

Senior

Fall	Credits	Spring	Credits
INFO SYS 424	3	GEN BUS 301	3
GEN BUS 400	3	Elective	3
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322 (Take One)[1]	3	Elective	3
Humanities	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 119-123

[1] This requirement is satisfied through the INFO SYS major requirements.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student’s educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal

struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

Information systems professionals help clients address some of their most complex business problems through the effective use of technology. They see pathways to solutions of highly complex technical issues and are key leaders in conceptualizing and sourcing the best solutions. Information systems professionals collect, store, and analyze information and data to assist organizations and departments in executing business initiatives and making informed decisions. In addition, they use hardware, software, technology infrastructure combined with input from internal or external clients to develop tools to solve and track business objectives.

For more information about careers in information systems, please visit our Undergraduate Info Systems website (https://business.wisc.edu/undergraduate/majors/information-systems/).

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: OPERATIONS AND TECHNOLOGY MANAGEMENT, BBA

The Operations and Technology Management (https://business.wisc.edu/undergraduate/majors/operations-technology-management/) (OTM) major focuses on the design, creation, and delivery of products and services to satisfy customer needs. It equips students with the essential tools and strategies to use resources efficiently, make necessary trade-offs, and strategically redesign or restructure operations. OTM majors distinguish themselves by strong analytical and problem-solving capabilities together with the ability to provide high-level managerial insights into value-based service and production management.

OTM majors have many career opportunities due to their process orientation and analytical training. They are especially well-equipped for positions in consulting, project management, service operations management, technology management, manufacturing management, and business analytics.

RELATED STUDENT ORGANIZATIONS

Badger Operations Association (https://win.wisc.edu/organization/BOA/)
Badger Consulting Club (https://www.badgerconsultinguw.com/)
Wisconsin Consulting Club (https://www.wisconsinconsultingclub.org/)
American Society for Quality (https://asq.org/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Operations and Technology Management cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: OPERATIONS AND TECHNOLOGY MANAGEMENT (OTM) MAJOR REQUIREMENTS

It is recommended that the undergraduate core course OTM 300 Operations and Supply Chain Management be taken as early as possible in preparation for this major.

Code	Title	Credits
OTM 351	Business Process Improvement	3
OTM 451	Service Operations Management	3
OTM 452	Project Management	3
OTM 453	Operations Analytics	3
Elective Coursework: Select a minimum of 6 additional credits from OTM and/or INFO SYS.		6
Total Credits		**18**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand how to analyze and evaluate business processes combined with a capability for improving those processes.
2. Understand how the effects of increased utilization and variability impact process capacity and flow times, and will be able to suggest approaches to improve system performance.
3. Build analytical models to solve business problems.
4. Articulate the commonalities and differences between service and manufacturing processes, and be able to manage and make improvements within either context.
5. Analyze and implement operational business decisions from both strategic and tactical perspectives.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
ECON 101 or 111	4	Ethnic Studies	3
MATH 211 or 221	4-5	Science	3
GEN BUS 110	1	GEN BUS 306	3
GEN BUS 106	1	ECON 102 or 111	4
	13-14		**16-17**

Sophomore

Fall	Credits	Spring	Credits
ACCT I S 100	3	ACCT I S 211	3
GEN BUS 307	3	MARKETNG 300	3
OTM 300	3	OTM Elective (either OTM or INFO SYS prefix)	3
GEN BUS 360	3	OTM 351	3

GEN BUS/DS 240, 250, or 308 (Take One)	2 Science	3
	14	**15**

Junior

Fall	Credits	Spring	Credits
Literature	3	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
FINANCE/ECON 300	3	M H R 300	3
OTM 451	3	OTM 453	3
Humanities	3	GEN BUS 250, 240, or 308 (Take One)	2
Elective	3	Elective	4
	15		**15-16**

Senior

Fall	Credits	Spring	Credits
GEN BUS 400	3	GEN BUS 301	3
OTM 452	3	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322 (Take One)	3
OTM Elective (either OTM or INFO SYS prefix)	3	Elective	3
Elective	3	Elective	3
Elective	4	Elective	4
	16		**16**

Total Credits 120-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

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For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

All products and services, from cars to surgeries to consulting, are delivered by organized systems. It is the job of operations managers to make sure those activities occur when they are needed, in the right way, with the right quality, and in the right quantity. Operations management designs and oversees the transformation of inputs, such as labor, equipment, facilities, materials, energy, and information, into goods and services for customers. To make this all happen, the operations function is responsible for critical activities such as process design, resource planning, scheduling, and quality management.

Common Career Paths

Process Analysis and Improvement

A process or improvement analyst can serve many roles in an organization. Overall, they facilitate process workflow modeling in order to collaborate on process improvements. They create process documentation and workflows as well as knowledge articles and self-service guidance. A process or improvement analyst may review information and trends at a company to ensure that they are achieving the desired results and that the services are meeting the agreed upon services. They identify issues and risks, as well as bring inconsistencies and problems to the attention of management and then participate in problem resolution. They extract reports and provide a high-level analysis of data for review. They also understand policies and procedures and their impact on workflow.

Project Management

Project managers are responsible for client engagements from the planning phase through implementation and delivery. Project management involves determining the scope of client engagements, allocating resources to implementation teams, and determining effective approaches to work completion. Those working in this area must be able to meet deadlines and to interact extensively with clients, developers, and external departments. A project manager may also be required to design performance and expense comparisons. Above all else, project management is concerned with ensuring accuracy and quality of client deliverables.

Planning and Analytics

Planning and analytics is the forward-looking process of coordinating assets to optimize delivery of goods, services, and information from supplier to customer, balancing supply and demand. Planning is necessary at just about every stage in the supply chain. Different planning roles include supply chain planner, demand planner, and inventory planner.

Management Consulting – Specialist

Both large and boutique consulting firms hire talent to focus on specific practice areas or industries (i.e., specialists). These firms and their employees provide deep expertise on a particular topic area or industry for their clients. These niche areas require a higher level of expertise and personnel in these areas are usually referred to as SMEs (Subject Matter Experts). Consultants in this pathway have a more focused and specialized

path, while still serving a variety of clients. There are many boutique firms that only consult in one of these specialties.

Operations and Process:
Support clients and provide guidance around increasing efficiencies across the entire value chain. This can include cost reduction, operational improvements, optimization of technology or processes, and more.

Supply Chain:
Work on the value delivery chain that encompasses suppliers all the way to customer delivery of the intended products/services. Supply chain management consultants traditionally work on the improvement of some portion of this value chain such as logistics of in-bound freight, or reduction in working capital (inventory) as examples.

General Management
Experience working within the operations function of an organization is excellent preparation for managerial roles within the business from product or process manager through facilities manager through C-level roles such as COO or CEO. This is true in companies that provide services to their customers as well as in firms that make products for their customers. Today's businesses favor leaders with operations experience.

Please visit our website (https://business.wisc.edu/undergraduate/majors/operations-technology-management/) for further details about potential career areas and responsibilities.

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: SUPPLY CHAIN MANAGEMENT, BBA

The field of supply chain management (SCM) is a critical area of competitive advantage for businesses around the world. SCM integrates business functions concerned with the movement of goods, services, and information along the value chain with the goal of creating value for the end customer. SCM is a cross-functional discipline involving many components of business including product development, marketing, demand/supply planning, sourcing, production, inventory, logistics, customer service, and the relationships between businesses and their channels of distribution. In today's complex business environment, there is a need to coordinate these supply chain functions not only within the firm, but with business partners and customers. As a result, SCM is a critical, strategic component of business, and students with SCM education and expertise are in high demand in the marketplace.

The supply chain management major is open to all undergraduate students enrolled in the School of Business and is administered by the Grainger Center for Supply Chain Management at the School of Business. Students will have the opportunity to interact with business leaders, participate in experiential learning and social activities, have access to a global trip/experience, and be eligible for scholarship opportunities from the Grainger Center.

It is important to appreciate SCM from both the theoretical and applied perspectives. Students declared in the supply chain management major will have the opportunity to participate in a large number of speaker events, site visits, and employer networking opportunities. Additionally, students will be eligible to participate in annual global trip opportunities led by the Grainger Center for Supply Chain Management. These trips allow for the exploration of SCM in new and different locations throughout the world.

For questions or additional information about the major in supply chain management, please visit the Grainger Center (https://business.wisc.edu/centers/grainger/) (3450 Grainger Hall).

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

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Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Supply Chain Management cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

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* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: SUPPLY CHAIN MANAGEMENT (SCM) MAJOR REQUIREMENTS

It is recommended that the undergraduate core courses OTM 300 Operations and Supply Chain Management and MARKETNG 300 Marketing Management be taken as early as possible in preparation for this major.

Code	Title	Credits
MARKETNG/ OTM 421	Fundamentals of Supply Chain Management	3
MARKETNG/ OTM 422	Logistics Management	3
MARKETNG 425	Route to Market Strategies	3
MARKETNG/ OTM 427	Information Technology in Supply Chains	3
MARKETNG/ OTM 423	Procurement and Supply Management	3
Select ONE of the following four courses:		3
MARKETNG/ OTM 428	Supply Chain Capital Management	
MARKETNG 437	New Product Innovation	
OTM 451	Service Operations Management	
OTM 453	Operations Analytics	
Total Credits		**18**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Assess the financial, marketing, and operational implications of fundamental supply chain strategies.
2. Compare how supply chain strategies are applied by examining decisions made in various real-world settings.
3. Create business value through the analysis of appropriate data using statistical and/or optimization techniques.
4. Synthesize supply chain concepts into a business strategy that is implemented through a cross-functional business simulation.
5. Effectively communicate ideas and recommendations to individuals in all functional areas of an organization.
6. Evaluate opportunities and risks necessary to develop effective sourcing strategies.
7. Assess costs and benefits in the formulation of appropriate go-to-market channels to reach desired customer groups.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
Communications A	3	OTM 300	3
ECON 101 or 111	4	MATH 211 or 221	4-5
Ethnic Studies	3	Humanities	3
Science	3	ECON 102 or 111	4
GEN BUS 110	1		
GEN BUS 106	1		
	15		**14-15**

Sophomore

Fall	Credits	Spring	Credits
ACCT I S 100	3	ACCT I S 211	3
GEN BUS 306	3	GEN BUS 307	3
MARKETNG 300	3	GEN BUS 360	3
PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4	MARKETNG/OTM 421	3
GEN BUS/DS 240, 250, or 308 (Take One)	2	M H R 300	3
	14-15		**15**

Junior

Fall	Credits	Spring	Credits
OTM/MARKETNG 422	3	MARKETNG/OTM 423	3
MARKETNG 425	3	FINANCE/ECON 300	3
GEN BUS 250, 240, or 308 (Take One)	2	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
Literature	3	Elective	3
Elective	4	Elective	3
	15		**15-16**

Senior

Fall	Credits	Spring	Credits
Supply Chain Elective	3	MARKETNG/OTM 427	3
GEN BUS 400	3	GEN BUS 301	3
R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322 (Take One)	3	Science	3
Elective	3	Elective	3
Elective	4	Elective	4
	16		**16**

Total Credits 120-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

Additional Advising Information for Supply Chain Students

Students are offered a variety of applied learning events, site visits, a Supply Chain Management career fair, as well as a global experience trip. These activities enhance classroom learning and allow students to gain hands-on knowledge about the industry.

In addition to the advising offered through the School of Business, Supply Chain Management students are also offered degree-specific career and academic coaching from the Grainger Center's Assistant Director. It's encouraged that students connect with the Assistant Director every semester, as well as participate in the many events that the Center offers each year.

CAREERS

Students enrolled in the supply chain management major have access to excellent internship opportunities and earn some of the highest salaries at the School of Business. The average full-time salary for members of the graduating class of 2023 with a supply chain management degree was approximately $73,500, while the average monthly internship salary was $3,934.

Some of the companies that recruit students with a specialization in supply chain management include (but are not limited to):

- 3M
- Amazon
- Baker Tilly
- BCG
- BP Americas
- Cargill
- Deloitte
- Ford
- Georgia-Pacific
- Kohler
- Kohl's Department Stores
- Macy's

- Medtronic
- Milwaukee Tool
- PepsiCo
- Procter & Gamble
- Rockwell Automation
- Target Corporation
- Uline
- W.W. Grainger

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026-2027.

REAL ESTATE AND URBAN LAND ECONOMICS

The primary goal of the undergraduate real estate (https://business.wisc.edu/undergraduate/majors/real-estate/) major is to comprehensively underwrite commercial real estate, which is broad-based and follows the education thought leadership of James A. Graaskamp, who expressed that "Real estate should be taught as a process of dynamic interactions rather than functional and historical facts." Underwriting commercial real estate includes the analysis of all property types and the development of residential communities while assessing and managing risk in all aspects of real estate relative to finance, development, valuation, and market analysis. To effectively underwrite commercial real estate, students must be able to identify and synthesize technical or basic skills, conceptual knowledge, critical thinking skills, and understand the real estate landscape to make informed and thoughtful property decisions. Graduates of the real estate major secure employment in a wide range of positions and responsibilities, including real estate private equity investment, commercial real estate lending and valuation, and real estate development, among many other areas including asset/property management and investment sales and brokerage.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Business: Real Estate and Urban Land Economics, BBA (p. 1478)

BUSINESS: REAL ESTATE AND URBAN LAND ECONOMICS, BBA

The primary goal of the undergraduate real estate (https://business.wisc.edu/undergraduate/majors/real-estate/) major is to comprehensively underwrite commercial real estate, which is broad-based and follows the education thought leadership of James A. Graaskamp, who expressed that "Real estate should be taught as a process of dynamic interactions rather than functional and historical facts." Underwriting commercial real estate includes the analysis of all property types and the development of residential communities while assessing and managing risk in all aspects of real estate relative to finance, development, valuation, and market analysis. To effectively underwrite commercial real estate, students must be able to identify and synthesize technical or basic skills, conceptual knowledge, and critical thinking skills, and understand the real estate landscape to make informed and thoughtful property decisions. Graduates of the real estate major secure employment in a wide range of positions and responsibilities including real estate private equity investment, commercial real estate lending and valuation, and real estate development, among many other areas including asset/property management, and investment sales and brokerage.

RECOGNITION

Our real estate program is ranked 1st in the U.S. by *U.S. News & World Report* 2024.

RELATED ORGANIZATIONS

Real Estate Club (https://win.wisc.edu/organization/realestateclub/)
Wisconsin Real Estate Alumni Association (https://www.wreaa.org/)
Women in Real Estate (https://win.wisc.edu/organization/womeninrealestate/)
Real Estate Private Equity Club (https://www.wisconsinpeclub.com/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Real Estate and Urban Land Economics cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: REAL ESTATE AND URBAN LAND ECONOMICS MAJOR REQUIREMENTS

Code	Title	Credits
REAL EST/ A A E/ECON/ URB R PL 306	The Real Estate Process	3
REAL EST 410	Real Estate Finance	3
REAL EST 411	Real Estate Excel Modeling	1
REAL EST 412	Real Estate ARGUS Modeling	1
REAL EST 415	Valuation of Real Estate	3
REAL EST/ECON/ URB R PL 420	Urban and Regional Economics	3
REAL EST 425	Real Estate Law	3
REAL EST 530	Real Estate Investment Analysis	3
Total Credits		**20**

ADDITIONAL COURSES

Undergraduate students are encouraged to take additional electives from among the following real estate courses. Electives are typically not offered every semester.

REAL ESTATE ELECTIVES

Code	Title	Credits
REAL EST 365	Contemporary Topics [1]	3
REAL EST/A A E/ URB R PL 520	Community Economic Analysis	3
REAL EST 540	Public Real Estate Equity Investment	3
REAL EST 550	Private Real Estate Equity Investment I: Analysis and Structures	3
REAL EST 611	Residential Property Development	3
REAL EST 640	Real Estate Capital Markets	3
REAL EST 651	Green - Sustainable Development	3
REAL EST 661	Real Estate Investment Analysis and Presentation	3

[1] The real estate department regularly offers innovative and cutting-edge electives under REAL EST 365 Contemporary Topics. Students should check the Course Guide every semester.

RECOMMENDED NON-BUSINESS ELECTIVES

Electives may also be selected outside the business-economics core from among a number of courses elsewhere in the university, which will provide greater professional awareness and more specialized tools.

Code	Title	Credits
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
LAND ARC 250	Survey of Landscape Architecture Design	3
LAND ARC 561	Housing and Urban Design	4
LAND ARC 562	Urban Design and Open Space Systems	4
SOIL SCI 301	General Soil Science	3
CIV ENGR 498	Construction Project Management	3
CIV ENGR 340	Structural Analysis I	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
URB R PL/GEOG 305	Introduction to the City	3-4
URB R PL/ LAND ARC 463	Evolution of American Planning	3
URB R PL 601	Site Planning	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree — To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Assemble and analyze market, linkage, and economic data to make prudent investment decisions.
2. Identify debt and equity capital sources that meet investor risk/return parameters for development, acquisitions, debt and value-add investment opportunities.
3. Responsibly and ethically consider investor, tenant, community, and municipal needs in the development process.
4. Create value in the built environment through developments that are built to scale, affordable, and sustainable.
5. Communicate the merits of real estate projects to investors, community stakeholders, and municipal/publicly elected officials.
6. Provide a network of professionals with cutting-edge perspectives and employment opportunities.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
ECON 101 or 111	4	MATH 211 or 221	4-5
Communications A	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Ethnic Studies	3	ACCT I S 100	3
Science	3	Science	3
GEN BUS 106	1	Humanities	3
GEN BUS 110	1		
	15		**16-18**

Sophomore

Fall	Credits	Spring	Credits
REAL EST/A A E/ECON/ URB R PL 306	3	REAL EST 410	3
GEN BUS 306	3	FINANCE/ECON 300	3
ECON 102 or 111	4	GEN BUS 307	3
ACCT I S 211	3	GEN BUS 360	3
Elective	3	GEN BUS/DS 240, 250, or 308 (Take One)	2
	16		**14**

Junior

Fall	Credits	Spring	Credits
REAL EST 411	1	REAL EST/ECON/ URB R PL 420	3
REAL EST 412	1	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
REAL EST 415	3	MARKETNG 300	3
GEN BUS 250, 240, or 308 (Take One)	2	M H R 300	3
OTM 300	3	Elective	3
Elective	4		
	14		**15-16**

Senior

Fall	Credits	Spring	Credits
REAL EST 425	3	REAL EST 530	3
GEN BUS 400	3	GEN BUS 301	3
Literature	3	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322[1]	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120-123

[1] This requirement is satisfied through the Real Estate major requirements.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

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they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

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Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

Real estate as a career encompasses a wide range of activities—from development and construction to financing; from brokerage and leasing to property management; from appraisal and assessment to insurance and regulation; from research to urban planning, government affairs, and more. Job responsibilities vary by function and can be office-based or in the field. Qualifications also vary from licensing and certification to advanced degrees.

Please visit our website (https://business.wisc.edu/undergraduate/majors/real-estate/) to learn more about careers in real estate.

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

RISK AND INSURANCE

Actuarial science involves the construction and management of insurance and pension systems using knowledge from statistics/data science, mathematics, economics, finance, and computer science. The field of actuarial science centers on data analytics for risk assessment. The curriculum prepares students for careers with insurance companies, consulting firms, healthcare organizations, and government organizations. Courses offered cover the material of the preliminary examinations of the Casualty Actuarial Society and the Society of Actuaries as well as more advanced subjects such as regression analysis, health analytics, and machine learning. While it is not required for students to sit for actuarial exams, more than 90% of our students pass at least two professional exams before they graduate.

The major in risk management and insurance prepares students to identify, analyze, and manage risks that are inherent in the operation of profit and not-for-profit institutions. Besides professional careers in risk management, the major cultivates skills required for challenging opportunities in organizations that accept these risks—private and governmental insurers, as well as brokerage/agency and consulting organizations.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Business: Actuarial Science, BBA (p. 1482)
- Business: Risk Management and Insurance, BBA (p. 1486)
- Risk Management and Insurance, Certificate (p. 1490)

BUSINESS: ACTUARIAL SCIENCE, BBA

Actuarial science involves the construction and management of insurance and pension systems using knowledge from statistics/data science, mathematics, economics, finance, and computer science. The field of actuarial science centers on data analytics for risk assessment. The Actuarial Science (https://business.wisc.edu/undergraduate/majors/actuarial-science/) major curriculum prepares students for careers with insurance companies, consulting firms, healthcare organizations, and government organizations. Courses offered cover the material of the preliminary examinations of the Casualty Actuarial Society and the Society of Actuaries as well as more advanced subjects such as regression analysis, health analytics, and machine learning. Some of our actuarial courses allow students to earn credit for their professional exams by earning a minimum score in those courses (without taking the professional exam). While it is not required for students to sit for actuarial exams, more than 90% of our students will sit for at least two professional exams before they graduate.

MISSION

The actuarial science program distinguishes itself through leadership, innovation, community, connections, networks, and recognition of the quality of the faculty, the courses, and the students.

RELATED ORGANIZATIONS

Actuarial Club (https://www.actuarialclubuw.org/)
Co-Curricular Learning Board (https://business.wisc.edu/faculty-research/risk-insurance/learning-board/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Actuarial Science cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: ACTUARIAL SCIENCE MAJOR REQUIREMENTS

The following courses are required for actuarial science majors. The Risk and Insurance Department also has course sequence information. Please be aware of stated prerequisites for major courses (including business core courses) that need to be completed before taking the course. Specific prerequisites can be found by clicking on the course number below.

Code	Title	Credits
ACT SCI 300	Probability for Actuaries	1
ACT SCI 303	Theory of Interest	3
ACT SCI 640	Actuarial Statistics for Risk Modeling	4
ACT SCI 650	Fundamentals of Long-Term Actuarial Modeling	3
ACT SCI 652	Fundamentals of Short-Term Actuarial Modeling	3
ACT SCI 651	Advanced Long-Term Actuarial Modeling	3
or ACT SCI 653	Advanced Short-Term Actuarial Modeling	
ACT SCI 654	Regression and Time Series for Actuaries [1]	3
or ACT SCI 655	Health Analytics	
or ACT SCI 657	Risk Analytics	
or GEN BUS 656	Foundations of Statistical Learning for Business Analytics	
Total Credits		**20**

RECOMMENDED ELECTIVES

Code	Title	Credits
MATH 234	Calculus--Functions of Several Variables	4
MATH 340	Elementary Matrix and Linear Algebra	3
R M I 300	Principles of Risk Management	3
FINANCE/ ECON 320	Investment Theory	3
COMP SCI 220	Data Science Programming I [1]	4
STAT 303 & STAT 304 & STAT 305	R for Statistics I and R for Statistics II and R for Statistics III	3

[1] Recommended to take either COMP SCI 220 or the STAT 303, STAT 304, STAT 305 sequence.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize and explain the concept of risk, and apply the knowledge to the development of insurance products that are used to manage risk for the consumer as well as the risk of those products on the insurance organization.
2. Describe the actuarial profession, including the major professional organizations, the professional obligations of being an actuary, and the requirements to obtain and maintain a professional actuarial designation.
3. Demonstrate skills in critical thinking, quantitative analysis, and communication, as well as to develop an appreciation for actuarial theory, research, and the link to practical application.

4. Demonstrate the soft skills of being a professional.
5. Communicate their experiences and inspire others across the WSOB learning community.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs. Students must complete at least 120 total credits to be eligible for graduation.

Freshman

Fall	Credits	Spring	Credits
MATH 222	4	ACT SCI 303	3
ECON 101 or 111	4	ECON 102 or 111	4
GEN BUS 110	1	Communications A	3
Ethnic Studies	3	GEN BUS 106	1
Science	3	Humanities	3
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
ACT SCI 300	1	ACT SCI 650	3
MATH 331 or STAT 309	3	GEN BUS 317 or STAT 310	3
ACCT I S 100	3	FINANCE/ECON 300	3
M H R 300	3	R M I 300, REAL EST 306, INTL BUS 200, or INFO SYS 322 (Take One)	3
GEN BUS 250, 240, or 308 (Take One)	2	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
GEN BUS 360	3		
	15		**15-16**

Junior

Fall	Credits	Spring	Credits
ACT SCI 640	4	ACCT I S 211	3
ACT SCI 652	3	ACT SCI 654, 655, 657, or GEN BUS 656	3
GEN BUS 308, 240, or 250 (Take One)	2	OTM 300	3
MARKETNG 300	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Literature	3	Elective	3
	15		**15-16**

Senior

Fall	Credits	Spring	Credits
ACT SCI 651 or 653	3	Science	3
GEN BUS 400	3	Elective	3
GEN BUS 301	3	Elective	3
Elective	3	Elective	3
	15		**12**

Total Credits 116-118

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

Business career coaches help students with career exploration, internships, resumes, job search, interviewing, and more. We encourage students to connect with their career coach once they arrive on campus.

Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

Actuarial program faculty offer advising nights every fall semester to help students plan their course sequencing and professional exams.

CAREERS

Actuaries are problem solvers with expertise in understanding and managing financial risk. They use historical information and models to help predict the future. Actuaries may specialize in life and health (risk of illness, disability or death), pensions (develop and analyze retirement programs) or property and casualty (personal property risks and risks associated with businesses).

Some of our actuarial students utilize the analytical and technical skills they learn in the actuarial program and apply those skills to pursue data analytics or data science as a career. They may do this in the risk and

insurance industry or in any industry that has the need to analyze, project and make decisions from large amounts of data.

Find out more about common industries and essential skills needed to be an actuary on the Undergraduate Actuarial Science website (https://business.wisc.edu/undergraduate/majors/actuarial-science/).

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

There are several exams and credentials from the Casualty Actuarial Society (http://www.casact.org/) and the Society of Actuaries (https://www.soa.org) that we prepare students to obtain during their undergraduate career. Students are encouraged to pass at least two actuarial exams before graduation in order to obtain an internship and/or job.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet Certification/Licensure in the following states:

Wisconsin

The requirements of this program do not meet Certification/Licensure in the following states:

Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

If you are good at math and are interested in pursuing a career as an actuary, apply for our UW-Madison Actuarial Program Scholarship (https://www.actuarialclubuw.org/future-members/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

BUSINESS: RISK MANAGEMENT AND INSURANCE, BBA

The major in risk management and insurance (https://business.wisc.edu/undergraduate/majors/risk-management-insurance/) prepares students to identify, analyze, and manage risks that are inherent in the operation of profit and not-for-profit institutions. Besides professional careers in risk management, the major cultivates skills required for challenging opportunities in organizations that accept these risks—private and governmental insurers, as well as brokerage/agency and consulting organizations.

The program of study may be structured to aid students seeking professional designations of Chartered Property and Casualty Underwriter (CPCU) and Associate in Risk Management (ARM).

RECOGNITION

Our risk management and insurance undergraduate program is consistently ranked among the leading programs in the U.S. by *U.S. News & World Report*.

RELATED ORGANIZATIONS

Risk Management and Insurance Society (http://www.rmisuw.org/)
Co-Curricular Learning Board (https://business.wisc.edu/faculty-research/risk-insurance/learning-board/)

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://admissions.wsb.wisc.edu/BbaPreBusiness (https://admissions.wsb.wisc.edu/BbaPreBusiness/))

Courses required to get in	Students are required to complete each of the 4 requirements below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Communication A • ENGL 100 • COM ARTS 100 • ESL 118 • LSC 100 Quantitative Reasoning A • MATH 112 • MATH 114 • MATH 171 • COMP SCI/L I S 102 Economics • ECON 101 • ECON 111 Human Behavior • PSYCH 202 • SOC/C&E SOC 211 • ANTHRO 104 • GEN&WS 102 • HDFS 263
GPA requirements to get in	Minimum 3.0 UW-Madison GPA.
Credits required to get in	• If you started at UW-Madison as a first-year student, 24 credits completed/in-progress at UW-Madison are required for application. • If you started at UW-Madison as a transfer student, 12 completed/in-progress at UW-Madison are required for application. • In-progress course credits towards this minimum must be completed at the end of the spring application term.
Other	• Pre-Business 101 workshop required during the intended application year. • Pre-Business applicants may apply once within their first four terms (Fall/Spring) at UW-Madison, based on enrollment date. There is no credit maximum.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid March	On or before July 1st.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE FIRST-YEAR APPLICANTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/). Prospective high school students may be considered for direct admission to Business based on their application to the University of Wisconsin-Madison. Simply list a Business interest as your top academic area of interest on the University application.

PROSPECTIVE TRANSFER APPLICANTS

Transfer students at University of Wisconsin System campuses or Wisconsin Technical Colleges may apply separately for admission to both the University of Wisconsin-Madison and the School of Business during the spring term for fall enrollment. Information for prospective transfer students can be found here: https://business.wisc.edu/undergraduate/admissions/transfer-students/.

ADDITIONAL INFORMATION

Students declared in Business: Risk Management and Insurance cannot earn the Summer Certificate in Business Fundamentals, Certificate in Business, or the Certificate in Entrepreneurship due to curriculum overlap.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison's general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code	Title	Credits
School of Business BBA Requirements		
Complete requirements: (p. 1399)		
School of Business Liberal Studies Requirements		
Business Fundamentals Requirement		
Business Core Requirement		
Business Signature Requirement		

BUSINESS: RISK MANAGEMENT & INSURANCE (R M I) MAJOR REQUIREMENTS

The risk management and insurance major consists of 15 required credits. R M I 300 should be completed prior to any other R M I coursework, as it is a prerequisite for all other courses.

Code	Title	Credits
R M I 300	Principles of Risk Management	3
Complete 2 of the following courses		6
R M I 640	Management of Insurance Enterprise	
R M I 645	Commercial Insurance	
R M I 655	Risk Financing Techniques	
R M I 660	Risk Analytics and Behavioral Science	
Complete 6 additional credits of R M I coursework numbered 600 or above, or 3 additional credits of R M I coursework numbered 600 or above and 3 credits of the following		6
Any ACT SCI course numbered 600 or above		
ACCT I S 630	Foundations of Auditing	
FINANCE 325	Corporation Finance	
FINANCE 330	Derivative Securities	
M H R 640	Creative Destruction Lab I	
M H R 641	Creative Destruction Lab II	
MARKETNG/ OTM 423	Procurement and Supply Management	
REAL EST 530	Real Estate Investment Analysis	
Total Credits		**15**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate a holistic risk management process (framework) across all dimensions of an organization, implementing risk management decisions that add value.
2. Use appropriate statistical techniques and data analysis to support risk management decisions.
3. Apply fundamental insurance principles that support economic development through insurance markets.
4. Identify decision-making challenges, and implement strategies to address those challenges, in environments involving risk and uncertainty.
5. Demonstrate strong critical thinking skills as observed through their ability to debate various positions, ask skeptical questions, and probe underlying assumptions.
6. Demonstrate leadership qualities in moving the profession forward.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a **sample** four-year plan for students directly admitted into the School of Business from high school. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3-4	Literature	3
MATH 211 or 221	4-5	ECON 101 or 111	4
GEN BUS 110	1	GEN BUS 106	1
Science	3	PSYCH 202, SOC 211, ANTHRO 104, GEN&WS 102, or HDFS 263 (Human Behavior)	3-4
Humanities	3	Ethnic Studies	3
	14-16		**14-15**

Sophomore

Fall	Credits	Spring	Credits
GEN BUS 360	3	ACCT I S 211	3
ECON 102 or 111	4	GEN BUS 306	3
ACCT I S 100	3	GEN BUS/DS 240, 250, or 308 (Take One)	2
M H R 300	3	MARKETNG 300	3
R M I 300	3	R M I 640, 645, 655, or 660 (Take One)	3
	16		**14**

Junior

Fall	Credits	Spring	Credits
R M I 645, 640, 655, or 660 (Take One)	3	R M I Elective[2]	3
GEN BUS 307	3	OTM 300	3
GEN BUS 301	3	GEN BUS 308, 240, or 250 (Take One)	2
FINANCE/ECON 300	3	REAL EST/A A E/ECON/ URB R PL 306, R M I 300, INTL BUS 200, or INFO SYS 322 (Take One)[1]	3
Elective	4	Elective	4
	16		**15**

Senior

Fall	Credits	Spring	Credits
GEN BUS 400	3	PHILOS 241, 243, 341, or 441 (Ethics)	3-4
R M I Elective[2]	3	Elective	3
Science	3	Elective	3
Elective	4	Elective	3
Elective	3	Elective	3
	16		**15-16**

Total Credits 120-124

1 This requirement is satisfied through the Risk Management and Insurance major requirements.

2 **Complete 6 additional credits of R M I coursework numbered 600 or above, or 3 additional credits of R M I coursework numbered 600 or above and 3 credits of the following**: any ACT SCI course numbered 600 or above, FINANCE 325 Corporation Finance, FINANCE 330 Derivative Securities, OTM/MARKETNG 423 Procurement and Supply Management, ACCT I S 630 Foundations of Auditing, M H R 640 Creative Destruction Lab I, or M H R 641 Creative Destruction Lab II.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Advising is an integral part of any student's educational journey in the School of Business Undergraduate Program. Starting at Student Orientation, Advising, and Registration (SOAR), we encourage all students to connect with academic advisors. Business academic advisors have a wealth of knowledge about courses on campus, as well as policies and procedures.

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Business academic advisors and career coaches are passionate about student success. Students experiencing academic difficulty or personal struggles are encouraged to talk to their advisor about how their individual situation may affect their academic performance.

Assigned Academic and Career Coaches

Admitted business students will have one assigned academic advisor. Career coaches are assigned by academic major to be able to provide industry-specific career guidance. If a student has more than one major, they may have more than one assigned career coach. Students can find their assigned advisor and coach by logging into the Starfish portal through MyUW.

For students not yet admitted to the School of Business, there is a team of pre-business advisors available.

Accessing Advising

Drop-in advising and scheduled appointments are available for admitted business students. Pre-business students may also schedule an appointment with a pre-business academic advisor or utilize drop-in academic advising.

For more information on accessing academic advising, please see our Academic Advising page (https://business.wisc.edu/undergraduate/academic-advising/).

For more information on accessing career coaching, please see our Career Coaching page (https://business.wisc.edu/undergraduate/careers/).

CAREERS

Risk professionals identify, develop, and analyze solutions to manage risk (financial, credit, operational, etc.) at both the organizational and consumer level. Effective risk management encompasses all divisions of an organization, allowing the organization to grow safely and to be more resilient. Insurance is a key solution for managing risk and is deployed by risk professionals working as brokers, underwriters, claims adjusters, product developers, and a host of other potential insurance careers.

To learn more about careers in risk management and insurance, please visit the BBA RMI website (https://business.wisc.edu/undergraduate/majors/risk-management-insurance/).

More information on Career Pathways (https://business.wisc.edu/undergraduate/careers/pathways/).

ACCREDITATION

ACCREDITATION

AACSB International—The Association to Advance Collegiate Schools of Business (http://www.aacsb.edu/)

Accreditation status: Accredited. Next accreditation review: 2026–2027.

RISK MANAGEMENT AND INSURANCE, CERTIFICATE

The undergraduate Risk Management and Insurance (RMI) certificate offers non-business undergraduates a focused pathway to develop expertise in identifying, assessing, and mitigating risks across industries. This 12-credit program provides a flexible curriculum to complement students' primary fields of study outside of business. Whether exploring new career paths in risk management, brokerage, or insurance, graduates emerge well-equipped to navigate the complexities of today's risk landscape. With an emphasis on practical skills and industry relevance, the RMI certificate prepares students for success in a variety of professional roles, contributing to both their personal growth and the broader workforce demands of the risk management industry.

HOW TO GET IN

HOW TO GET IN

The certificate is open to undergraduates declared in a major outside of the School of Business who are in good academic standing. Students declared in a major in the School of Business are not eligible for the certificate. To declare the certificate, go to the Academic Forms (https://business.wisc.edu/undergraduate/academic-advising/#forms/) page and complete the Business Major and Certificate Declaration form.

REQUIREMENTS

REQUIREMENTS

A minimum 2.5 GPA must be earned on all coursework applied to meet the requirements of the certificate program. All certificate credits must be earned in residence at UW-Madison.

Code	Title	Credits
R M I 300	Principles of Risk Management	3
Choose one of the following:		3
R M I 640	Management of Insurance Enterprise	
R M I 645	Commercial Insurance	
R M I 655	Risk Financing Techniques	
R M I 660	Risk Analytics and Behavioral Science	
Six additional credits of R M I courswork numbered 600-699		6
Total Credits		**12**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate a holistic risk management process (framework) across all dimensions of an organization, implementing risk management decisions that add value.
2. Apply fundamental insurance principles that support economic development through insurance markets.
3. Identify decision#making challenges, and use appropriate statistical techniques and data analysis to support risk management decisions.
4. Demonstrate strong critical thinking skills in emerging areas or risk as observed through their ability to debate various positions, ask skeptical questions, and probe underlying assumptions.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students who have declared the Certificate in Risk Management and Insurance will be assigned to the School of Business Certificate Advising Committee.

SCHOOL OF EDUCATION

The School of Education at UW–Madison is consistently ranked as one of the finest schools of education in the United States, and among the best in the world. The school embraces fields of study that define the human experience: education to challenge minds, health to improve lives, and the arts to inspire creative spirits. World-class research is conducted to drive conversation forward. The school prepares students in a variety of disciplines and for a range of professional roles, including artist, teacher, and therapist.

Approximately 2,200 undergraduates are enrolled each year in the School of Education. While many students are pursuing teacher certification, a significant number are completing programs in the performing and visual arts, human movement, and human services.

The School of Education offers a broad array of undergraduate programs that reflect the wide range of disciplines housed in the school. Although undergraduate majors are not offered in all departments, all ten departments do offer courses to undergraduate students. The school's departments include:

- Art (https://art.wisc.edu/)
- Counseling Psychology (http://counselingpsych.education.wisc.edu/)

- Curriculum and Instruction (https://ci.education.wisc.edu/)
- Dance (https://dance.wisc.edu/)
- Educational Leadership and Policy Analysis (http://elpa.education.wisc.edu/)
- Educational Policy Studies (https://eps.education.wisc.edu/)
- Educational Psychology (https://edpsych.education.wisc.edu/)
- Kinesiology (https://kinesiology.education.wisc.edu/)
- Rehabilitation Psychology and Special Education (https://rpse.education.wisc.edu/)
- Theatre and Drama (https://theatre.wisc.edu/)

Students find that the School of Education is their academic and administrative home—a source of advising, guidance, support, and community. Small class sizes in many pre-professional and professional courses allow students to develop a strong sense of community and to get ample individual attention from professors, instructors, and teaching assistants. Teaching staff are extremely willing to get to know their students and work with them to meet their goals. School of Education courses also provide students the chance to get to know their classmates well. Faculty seek committed, creative, and reflective students who are sensitive to differing perspectives.

Students are encouraged to challenge themselves and their initial career choices through volunteer experiences, service learning courses, internships or paid work experiences, and study abroad. The School of Education works to offer a caring, secure, and supportive environment that encourages taking risks, expanding personal boundaries, and developing into a professional.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Art Education, BS (p. 1519)
- Art Studio, Certificate (p. 1527)
- Art, BFA (p. 1529)
- Art, BS (p. 1543)
- Arts and Teaching, Certificate (p. 1555)
- Athletic Healthcare, Certificate (p. 1655)
- Communication Sciences and Disorders, BSE (p. 1559)
- Dance Education, Certificate (p. 1609)
- Dance Studies, Certificate (p. 1610)
- Dance, BFA (p. 1612)
- Dance, BS (p. 1618)
- Dance, Certificate (p. 1624)
- Disability Rights and Services, Certificate (p. 1680)
- Education and Educational Services, Certificate (p. 1652)
- Educational Policy Studies, BS (p. 1632)
- Educational Policy Studies, Certificate (p. 1640)
- Elementary Education and Special Education, BSE (p. 1681)
- Elementary Education, BSE (p. 1567)
- Game Design, Certificate (p. 1581)
- Global Cultures, Languages, and Education, Certificate (p. 1641)
- Graphic Design, Certificate (p. 1553)
- Health Promotion and Health Equity, BS (p. 1657)
- Individual Major, BSE (p. 1627)
- International Development and Education, Certificate (p. 1649)
- Introductory Studies in Dance/Movement Therapy, Certificate (p. 1626)
- Kinesiology, BS (p. 1663)
- Physical Education, BS (p. 1671)
- Pilates, Certificate (p. 1626)
- Preparing to Teach Abroad, Certificate (p. 1595)
- Promoting Activity for Diverse Abilities, Certificate (p. 1679)
- Rehabilitation Psychology, BS (p. 1689)
- Social Justice and Education, Certificate (p. 1651)
- Special Education, BSE (p. 1694)
- Theatre and Drama, BS (p. 1706)
- Theatre, Certificate (p. 1714)

ENTERING THE SCHOOL

APPLYING TO UW-MADISON

All prospective UW–Madison students must apply through the central campus Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate an interest in a School of Education major on their UW–Madison application will be admitted to the School of Education program or pre-program of choice at the point of admission to the university. Considering more than one School of Education major? It's also possible to declare "undecided in the School of Education" when completing the application.

In addition, students may indicate their interest in a School of Education major when registering for the Student Orientation, Advising, and Registration (SOAR) program.

CURRENT UW-MADISON STUDENTS

Students interested in pursuing a School of Education major should consult the program's declaration criteria, which vary by program area. Select the major of interest here (p. 1491), and then look for the How to Get in tab.

RE-ENTRY STUDENTS

Students previously enrolled at UW-Madison who have not attended for a semester or more must complete a reentry application, as outlined by the UW–Madison Office of Admissions and Recruitment (http://www.admissions.wisc.edu). In general, students enrolled in a School of Education program before their absence from UW–Madison will be readmitted to that program, provided they were in good academic standing when they left (i.e., not on probation, strict probation, or dropped by the university). Note: Students seeking readmission to the professional part of their program should be aware of potential qualifications related to their return. See Re-Entry to Campus After an Absence (p. 1494) for details.

Reentry applicants who were dropped by the university are asked to submit supplemental application materials. Instructions for the supplemental application are sent after the student has submitted the online reentry application. If an applicant is not in good academic standing the reentry application will be referred to the Associate Dean for Student Services in the School.

Students previously enrolled in another UW–Madison school or college will not be readmitted directly into a new, School of Education program. They must apply for reentry to the university with another school or college – usually the school or college in which they were previously enrolled. Once readmitted to the university, students may apply to the School of Education program by following the declaration process for that program. Select the major of interest here (p. 1491), and then look for the How to Get in tab.

All prospective School of Education students are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations are available in person, virtually, or via telephone. To schedule an appointment, email soeacademicservices@education.wisc.edu or call 608-262-1651. Current students can also schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience, (https://wisconsinexperience.wisc.edu/about/) combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values – the commitment to the truth, shared participation in decision-making, and service to local and global communities – the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus.

- Empathy & Humility (https://wisconsinexperience.wisc.edu/empathy-and-humility/) - Badgers bring heart – empathy and humility – to everything that we do. It's the very lens of our worldview. We develop and demonstrate a cultural understanding of ourselves and others; we engage locally, nationally, and globally in a respectful and civil manner; and we appreciate and celebrate one another's abilities, views, and accomplishments.
- Relentless Curiosity (https://wisconsinexperience.wisc.edu/relentless-curiosity/) - Badgers show relentless curiosity at every step of life's journey. We question things that no one has ever thought to question. We actively learn with expert instructors, scholars, and peers; we engage in creative inquiry, scholarship, and research; we develop resilience; and we foster courage in life and learning.
- Intellectual Confidence (https://wisconsinexperience.wisc.edu/intellectual-confidence/) - Badgers fearlessly sift and winnow until we achieve intellectual confidence. At our core, we're learners and teachers. We develop competence, depth, and expertise in a field of study; we integrate ideas and synthesize knowledge across multiple contexts; and we exercise critical thinking and effective communication.
- Purposeful Action (https://wisconsinexperience.wisc.edu/purposeful-action/) - Badgers strive to find greater meaning every day through purposeful action. We work for the common good – for something that's bigger than ourselves. We apply knowledge and skills to solve problems; we engage in public service, partner with others, and contribute to the community; and we lead for positive change.

THE WISCONSIN EXPERIENCE IN THE SCHOOL OF EDUCATION

Since its inception the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Some of the activities are listed below; additional activities are listed under each major.

SERVICE LEARNING AND COMMUNITY SERVICE

- Students in the Physical Education Teacher Education (PETE) (https://guide.wisc.edu/undergraduate/education/kinesiology/physical-education-bs/) program partnered with the Boys and Girls Club of Dane County to help kids and their families stay active during the holiday break from school. Working together, they developed games that can be done at home using common household items. A flyer describing the games was included in over 500 Thanksgiving baskets distributed by the Boys and Girls Club last year, and associated videos were made available on their website. Who wouldn't want to play "Reverse Pig Trash Ball?
- RP & SE 300 Individuals with Disabilities includes a field-based experience where students engage in work that directly or indirectly supports a person with a disability. Hundreds of students each year are placed in a wide variety of placement sites in the Madison area. This experience allows students to gain first-hand knowledge of the contributions of, and services provided to, individuals with disabilities within the community.
- As part of required courses, art education students teach art to children and teens in school and community-based settings in three of the four semesters of the program. Some of our most recent partners include:
    - Monroe Street Arts Center (https://www.monroestreetarts.org/)
    - Madison School & Community Recreation (https://www.mscr.org/programs/after-school-camps/elementary-school/elementary-after-school-programs/) (MSCR) art clubs
    - The Wisconsin Art Education Association's Youth Art Month and Visual Arts Classic
    - K-12 fieldwork experiences in private schools like Edgewood, Eagle, and Madison Country Day; public schools in rural, suburban, and urban districts; plus public charter and alternative schools like Shabazz High School and Nuestro Mundo Elementary.

STUDY ABROAD

The School of Education sponsors a number of summer study abroad (https://global.education.wisc.edu/study-abroad/) opportunities that are led by SoE instructors. These two or three-week courses make it possible to have a study abroad experience and still have time to work or pursue other activities during the summer. Students participated in the following programs in the summer of 2025:

- Education, Diversity, and Community in the Galapagos Islands (Ecuador)
- Dancing Cultures in Greece
- Disability Rights and Access in Australia

- Youth, Language, and Experiential Education in the Dominican Republic
- City as Studio: Drawing in Portugal
- Team Building in Costa Rica
- Crossroads of Culture and Health in New Zealand
- Theatre in London
- Inclusive Physical Activity and Sports in Ireland
- Exploring Cuba Through Art
- Movement as Medicine in Portugal

STUDENT ORGANIZATIONS

- Aspiring Educators of Wisconsin (https://win.wisc.edu/organization/aspiringeducators/) is a pre-professional association for those pursuing careers as educators. It provides opportunities to meet other education majors and current teachers, explore cutting-edge issues in education, and interact with the community.
- The Photography Club (https://win.wisc.edu/organization/photographyclub/), AIGA Wisconsin UW-Madison (https://win.wisc.edu/organization/aigauwmadison/) (graphic design), Mad Gaffers (https://win.wisc.edu/organization/madgaffers/) (glassblowing), and Art for Change (activism) are just a few of the available options for art students.
- The Health Promotion/Health Equity Learning Community (HPHE LC) was recently launched with the goal of providing hard-working and dedicated students with support, resources, and opportunities within the Health Promotion and Health Equity field. Provided services include a cohort program, internship pools, tutoring services, and networking events.

RESEARCH AND DEPTH OF STUDY

- Students pursuing health-related studies are encouraged to get involved in research. Students have participated in labs such as the Promotion of Health Equity & Adapted Physical Activity (PHEAPA) (https://kinesiology.education.wisc.edu/research/pheapa-lab/) lab or the Pain, Context, and Innovation (https://www.shinyekim.com/) lab. Students also participate in programs run through the Wisconsin Area Health Education Centers (AHEC), such as the Community Health Internship Program (https://ahec.wisc.edu/chip/).
- A new Honors program for educational policy studies majors will begin in the fall of 2025.
- The Center for Research on Early Childhood Education (https://crece.wceruw.org/) created an undergraduate research fellowship program. The program's goal is to diversify the research communities that address early childhood education.
- Many rehabilitation psychology students are currently working with professors and graduate students on research in rehabilitation psychology. Several are leading their own research with faculty support, and many students have presented at the spring Undergraduate Research Symposium.
- Physical education staff and students partnered with experts in the academic technology department to create a smartphone app, "EnCourage." The app provides hundreds of team-building activities for use by teachers, coaches, and anyone trying to develop teamwork with groups. Its development was one of the School of Education Innovation Projects, "Social and Emotional Learning in Physical Education."
- The dance department provides financial awards (https://dance.wisc.edu/admissions-and-aid/scholarships-and-awards/) to encourage students to continue their studies, both nationally and internationally, over the summer. For example, full-tuition scholarships are given to dance majors to study in the summer study program at the Dance Education Lab in New York. One award of full tuition and accommodation is given to a freshman dance major to study at the six-week Perry Mansfield pre-professional summer study program. Students have these, and other opportunities, to make professional connections in the field and in the global dance community.
- The theatre and drama department offers an Honors option (https://guide.wisc.edu/undergraduate/education/theatre-drama/theatre-drama-bs/#requirementstext) in the major and a named option in Acting (https://guide.wisc.edu/undergraduate/education/theatre-drama/theatre-drama-bs/theatre-drama-acting-bs/).
- Undergraduate awards (https://eps.education.wisc.edu/admissions-and-aid/financial-aid/) in writing, research, and community-based scholarship are sponsored by the educational policy studies department. One such award is the Eric Flanagan Community-Engaged Scholarship Award.

VOLUNTEER OPPORTUNITIES

- One of the UW's most sought-after volunteer experiences, the kinesiology department's Adapted Fitness program offers fitness training and physical activities to community-based clients with a wide variety of permanent and temporary disabilities from heritable disorders, chronic and neurological diseases, and accidental traumas. Students who pursue the Physical Activity for Diverse Abilities Certificate (https://guide.wisc.edu/undergraduate/education/kinesiology/promoting-activity-diverse-abilities-certificate/) receive priority placement for volunteer positions.

INTERNSHIPS AND FIELD PLACEMENTS

- Students earning an undergraduate degree in Rehabilitation Psychology (https://guide.wisc.edu/undergraduate/education/rehabilitation-psychology-special-education/rehabilitation-psychology-bse/) complete at least six credits of internship, selected from a large and diverse number of sites in the community. The goals of the experience include exploring career interests and gaining experience in community agencies serving and advocating for individuals with disabilities.
- Undergraduates in teacher education programs have multiple field experiences in K-12 schools, culminating in a full-time student teaching experience following the semester of the cooperating school.
- Art internships provide real-world experience and can often be completed for university credit through enrollment in ART 393 Internships in Art. Students have interned and conducted research at many businesses, institutions, and on-campus locations, including the Madison Children's Museum, Bayview Center for Arts and Education, ArtWrite Collective, Chazen Museum of Art, Museum of Modern Art, Metropolitan Museum of Art, Monroe Street Arts Center, and the Madison Museum of Contemporary Art.

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

ACADEMIC CONCERNS AND STATUS

Academic Actions and Exceptions

Academic actions and exceptions are used to record a student's progress through the university and to document various administrative and academic situations. Actions can be grouped into two broad categories:

- those that permit exceptions to program requirements and school/university policies *and*
- those that affect a student's standing in the university — e.g., probation or transferring from one program to another.

As the undergraduate dean's office, the School of Education Student Services office is responsible for reviewing, approving, documenting, and sometimes initiating academic actions and exceptions. To be posted to a student's record, exceptions must go through several steps. Exceptions may be initiated either by program faculty/staff or by Student Services staff, who often consult about a specific exception. Once an exception has been approved, it is processed either as an official "Dean's action" or as a DARS exception. Students can find a record of dean's actions on their printed unofficial transcript (also called the student record) or on their DARS report. A DARS exception will be reflected in the individual student's DARS report.

Exceptions to faculty-approved program requirements generally include course substitutions and rarely involve course or program requirement waivers. Exceptions to campus or School policies include permission for adding or dropping a course beyond the deadlines, waiving senior or major residency requirements, extending the deadline for meeting a deficiency or finishing an Incomplete, and permitting students to repeat a course for credit. A request for an exception requires careful consideration from all parties involved. Students should be prepared to explain the reasoning behind a request and offer supporting documentation.

Substantial consultation time with faculty, staff, and/or deans may be required, so students should not expect to receive an immediate answer to a request during the initial appointment.

Academic Standing: Dean's List, Academic Probation, and May Not Continue

To remain in good academic standing in the School of Education, students must earn both a semester grade point average (GPA) and a cumulative grade point average of at least 2.5. Academic standing is not calculated after the completion of summer coursework. While the 2.5 grade point average may not be sufficient to permit students to be considered for admission to their program of choice, it is the minimum required to remain in the School of Education. This may be substantially higher than minimum grade point average requirements in other schools/colleges on campus.

Dean's List

Students have at least a 2.5 cumulative GPA and 3.5 or higher for the semester. Students must have received no incompletes in graded courses, no unreported grades, or end-of-semester academic actions for the semester. Credit/no credit and pass/fail courses are not considered in meeting the requirements for the Dean's List.

Probation

A student's grade point average for a particular semester falls below 2.5, while the cumulative campus GPA remains at or above 2.5. Students must earn a minimum 2.5 grade point average on the next semester's coursework to be removed from probation status.

Strict Probation

Strict Probation occurs when either (1) a student's cumulative GPA falls below a 2.5 OR (2) a student already on probation earns less than a 2.5 grade point average for the subsequent semester. To be in good academic standing, students on strict probation must earn both a 2.5 GPA on the next semester's coursework and also have a cumulative GPA of 2.5 by the end of the next semester. Students on Strict Probation status have an enrollment hold placed on their record for the subsequent semester. These students are not permitted to enroll until they have met with an advisor in the School of Education Student Services office.

Continued Strict Probation

A student already on strict probation obtained a 2.5 GPA or above on the next semester's coursework, but the cumulative GPA is still below 2.5. Once both grade point averages are at or above 2.5, the student will be in good academic standing. Students on Continued Strict Probation status have an enrollment hold placed on their record for the subsequent semester. These students are not permitted to enroll until they have met with a Student Services advisor.

May Not Continue in the School of Education

Students on strict probation or continued strict probation who earn less than a 2.5 GPA on the next semester's work will receive notice that they may not continue in the School of Education. Students on May Not Continue status who do not seek or are not granted permission to continue may be withdrawn from the university and dropped from courses ("disenrolled"). Students are expected to contact the School of Education Student Services office immediately, to discuss options, including transfer to another school or college on campus, transfer to another university, or withdrawal from UW–Madison.

Continuation Requirement: Department of Kinesiology

All students admitted to undergraduate programs in the Department of Kinesiology, including Physical Education, must maintain a cumulative grade point average (GPA) of at least 2.75, based on all UW–Madison campus coursework. A student whose GPA falls below 2.75 will be placed on probation for the following semester. If the GPA remains below a 2.75 at the end of the probationary semester, the student will receive a discontinuation letter indicating that they must transfer out of the Department of Kinesiology. A hold will be placed on the student's registration for the second semester following the probationary semester until the transfer is complete. Students in this situation must transfer to another School of Education program, another UW–Madison school/college, to another institution altogether, or must withdraw from the university.

If a student wishes to appeal being discontinued in the department, it must be done in writing to the Chair of the Undergraduate Studies Committee within 30 days of the date of the notification letter. The Undergraduate Studies Committee may request that the student

appear in person at an Undergraduate Studies Committee meeting to present the case.

If a negative decision is reached by the Undergraduate Studies Committee, a student may choose to appeal in writing to the Department of Kinesiology Student Affairs Committee within 30 days of the date of the notification.

If a negative decision is reached by the Department's Student Affairs Committee, a student may choose to appeal in writing to the Chair of the Department of Kinesiology within 30 days of the date of the notification.

If a negative decision is reached by the Chair of the Department of Kinesiology, a student may choose to follow the School of Education Grievance Policy.

In the event of a positive decision at any level, the student will be allowed to continue for one semester in order to raise the GPA to 2.75 or higher. A 2.5 cumulative GPA is required to graduate from the Department of Kinesiology.

Grievance Policy in the School of Education

School of Education Grievance Policy and Procedures

The following School of Education Student Grievance Policy and associated procedures are designed for use in response to individual student grievances regarding faculty or staff in the School of Education.

Any individual student who feels they have been treated unfairly by a School of Education faculty or staff member has the right to file a grievance about the treatment and receive a timely response addressing their concerns. Any student, undergraduate or graduate, may use these grievance procedures, except employees whose complaints are covered under other campus policies. The grievance may concern classroom treatment, mentoring or advising, program admission or continuation, course grades (study abroad grade complaints are handled through International Academic Programs (https://studyabroad.wisc.edu/)), or issues not covered by other campus policies or grievance procedures.

For grievances regarding discrimination based on protected bases (https://compliance.wisc.edu/eo-complaint/) (i.e., race, color, national origin, sex, disability, age, etc.), contact the Office of Compliance (https://compliance.wisc.edu/eo-complaint/).

For grievances or concerns regarding sexual harassment or sexual violence (including sexual assault, dating/domestic violence, stalking, and sexual exploitation), contact the Sexual Misconduct Resource and Response Program (https://compliance.wisc.edu/titleix/) within the Office of Compliance.

For grievances that involve the behavior of a student, contact the Office of Student Conduct and Community Standards in the Dean of Students Office at https://conduct.students.wisc.edu/).

For grievances about, or directed at, faculty or staff in a School of Education department, unit, or program, students should follow these steps:

1. Students are strongly encouraged to first talk with the person against whom the concern is directed. Many issues can be settled informally at this level. If students are unable to resolve concerns directly or without additional support, step 2 or 3 should be pursued.
2. If unresolved after taking or considering step 1:
    a. If the concern is directed against a teaching assistant (TA), and the student is not satisfied, the student should contact the TA's supervisor, who is usually the course professor. The course professor will attempt to resolve the concern informally.
    b. If the concern involves a non-TA instructor, staff member, professor, academic department, or School of Education office or unit, the student should contact the chair of the department or the director of the office or unit, or their designee. The chair or director, or their designee, will attempt to resolve the concern informally. If the concern is about the department chair or office/unit director, the student should consult the School of Education Senior Associate Dean for guidance.
3. If the concern remains unresolved after step 2, the student may submit a formal grievance to the chair or director in writing within 30 business days[1] of the alleged unfair treatment. To the fullest extent possible, a formal written grievance shall contain a clear and concise statement of the issue(s) involved and the relief sought.
4. On receipt of a written grievance, the chair or director will notify the person at whom the grievance is directed with a copy of the written grievance. The person at whom the complaint is directed may submit a written response, which would be shared with the student.
5. On receipt of a written grievance, the chair or director will refer the matter to a department, office, or unit committee comprised of at least two members. The committee may be an existing committee or one constituted for this purpose. The committee, or delegates from the committee, may meet with the parties involved and/or review any material either party shares with the committee.
6. The committee will provide a written description of the facts of the grievance and communicate recommendations to the department chair or office/unit head regarding how the grievance should be handled.
7. The chair or director will offer to meet with the student who made the grievance and also will provide a written decision to the student, including a description of any related action taken by the committee, within 30 business days of receiving the formal grievance.

[1] For the purpose of this policy, business days refers to those days when the University Offices are open and shall not include weekends, university holidays, spring recess, or the period from the last day of exams of fall semester instruction to the first day of spring semester instruction. All time limits may be modified by mutual consent of the parties involved.

If the grievance concerns an undergraduate course grade, the decision of the department chair after reviewing the committee's recommendations is final.

Other types of grievances may be appealed using the following procedures:

1. Both the student who filed the grievance or the person at whom the grievance was directed, if unsatisfied with the decision of the department, office or unit, have five (5) business days from receipt of the decision to contact the Senior Associate Dean, indicating the intention to appeal.

2. A written appeal must be filed with the Senior Associate Dean within 10 business days of the time the appealing party was notified of the initial resolution of the complaint.
3. On receipt of a written appeal, the Senior Associate Dean will convene a sub-committee of the School of Education's Academic Planning Council. This subcommittee may ask for additional information from the parties involved and/or may hold a meeting at which both parties will be asked to speak separately (i.e., not in the room at the same time).
4. The subcommittee will then make a written recommendation to the Dean of the School of Education, or their designee, who will render a decision. The dean or designee's written decision shall be made within 30 business days from the date when the written appeal was filed with the Senior Associate Dean. For undergraduate students, the dean or designee's decision is final.

Further appealing a School of Education decision – *graduate students only*

Graduate students have the option to appeal decisions by the School of Education dean or designee by using the process detailed on the Graduate School's website (https://grad.wisc.edu/documents/grievances-and-appeals/).

Questions about these procedures can be directed to the School of Education Dean's Office, 377 Education Building, 1000 Bascom Mall, 608-262-1763.

Resources

- Office of Compliance (https://compliance.wisc.edu/) (for discrimination based on protected classes, including misconduct) 179A Bascom Hall, 608-262-2378
- Office of Student Conduct and Community Standards (https://conduct.students.wisc.edu/) (for conflicts between students, or academic integrity violations) 70 Bascom Hall, 608-263-5700
- Bias or Hate Reporting (https://doso.students.wisc.edu/bias-or-hate-reporting/) (for students who experience or observe bias or hate incidents) 70 Bascom Hall, 608-263-5700
- Graduate School (https://grad.wisc.edu/) (for graduate students who need informal advice at any level of review; for official appeals of program/departmental or school/college grievance decisions, see Graduate Assistant Policies and Procedures (https://hr.wisc.edu/policies/gapp/)) 217 Bascom Hall, 608-262-2433
- Ombuds Office for Faculty and Staff (http://www.ombuds.wisc.edu/) (for UW–Madison employees, including graduate students) 523-524 Lowell Center, 608-265-9992
- Employee Assistance (http://www.eao.wisc.edu/) (for conflicts involving graduate assistants and other employees) 256 Lowell Hall, 608-263-2987
- Office of Human Resources (https://kb.wisc.edu/ohr/policies/search.php?cat=4506) for policies and procedures to address workplace conflict) 21 N Park Street Suite 5101, 608-265-2257
- Office of Student Assistance and Support (https://osas.wisc.edu/) (OSAS) (for any students needing advice or support) 70 Bascom Hall, 608-263-5700
- School of Education, Office of Student Services (https://education.wisc.edu/about/student-services/) (for students, particularly undergraduates, in the School of Education) 139 Education Building, 608-262-1651
- School of Education, Office of Equity, Diversity, and Inclusion (https://education.wisc.edu/about/diversity-inclusion/) (OEDI) 145 Education Building, 608-262-8427

Part-Time Enrollment Status

Students who choose part-time enrollment status or who anticipate falling below full-time enrollment status due to dropping a course should consult with an advisor in the School of Education Student Services office. Part-time enrollment may have important implications for any number of issues, including health insurance coverage or financial aid. It is especially important that athletes and international students consult with Student Services advisors and other advisors if considering part-time enrollment. Students who drop below 12 credits need not leave university housing.

Re-entry to Campus after an Absence

Students wishing to reenter UW–Madison after an absence of a semester or more must file a reentry application form. This form is available from the UW–Madison Office of Admissions and Recruitment (https://admissions.wisc.edu/apply-as-a-reentry-student/). If an applicant is not in good academic standing, the reentry application will be referred to the associate dean.

Students admitted to the professional part of a program may leave UW–Madison for a maximum of two consecutive semesters (excluding summer sessions) and be eligible to reenter directly into the program. Students in this situation are not guaranteed immediate placement in a practicum or student teaching placement upon reentry, and graduation may be delayed because of prior commitments to continuing students. Students who leave the program for more than two consecutive semesters (excluding summer sessions) may be considered for readmission only on an individual basis. Lack of space in a program may preclude readmission directly into a program for any future semester. Given the individual circumstances, a student may be required to reapply to the program altogether.

The general policy above may be modified by any particular program so that the conditions of reentry match the structure of the professional program. Some programs require that students obtain prior approval to interrupt the program sequence. All students intending to be absent should leave with a firm understanding of the conditions guiding their reentry into their professional program. Consult with the appropriate faculty advisor and with the School of Education Student Services office.

Residency (Major & Senior) Requirements

Major Residency

Students must complete at UW–Madison at least 15 credits in upper-level courses in the major. Some programs, e.g., Art, require more credits to meet major residency requirements. Upper-level courses are generally defined as those numbered 300 and above, but this varies by program area. Retroactive credits and credits granted by examination do not count toward the residency requirement.

Senior Residency

Seniors in the School of Education must complete the last 30 credits in residence. Special permission to take a portion of senior work either at another institution or by correspondence (via UW Extension) must be obtained in advance from the School of Education Student Services office. Coursework taken as part of a UW–Madison-sponsored study abroad program does not count against senior residency. Students should discuss senior residency

issues with their Student Services advisor. Retroactive credits and credits granted by examination do not count toward the residency requirement.

Excess Cumulative Credits and Satisfactory Progress

Excess Cumulative Credits

Wisconsin resident undergraduates who have accumulated more than 165 completed credits will be assessed a 100% tuition surcharge on credits over 165, as required by the University of Wisconsin–Madison. This policy was effective beginning Spring 2021. See Excess Cumulative Credits (https://kb.wisc.edu/apir/110093/) on Academic Planning and Institutional Research's KnowledgeBase page for more information about this policy and the criteria used in counting cumulative, completed credits. Note: Students who have already been awarded a Bachelor's degree from any accredited institution are exempt from the tuition surcharge. Special students are also exempt.

Satisfactory Progress: Second Degree Candidates and Education Special (non-degree-seeking) Students

The School of Education is enriched by admitting students with a previous degree to our programs. We welcome these students and encourage them to apply to the School. At the same time, admission as a second-degree or Education Special (designated EDS or EDCS) student is a privilege granted by the School of Education. Second-degree and Education Special students are expected to make the same timely progress toward program completion as initial-degree students.

To ensure satisfactory progress, second-degree and Education Special students who are identified to have met any one of the criteria below will be required to confer with her/his program coordinator and the undergraduate academic dean for purposes of developing a formal plan for program completion:

- Student has earned over 200 total credits.
- Student enrolled for two consecutive semesters without completing requirements for the professional program to which the student was initially admitted.
- Student withdrew from classes for two consecutive semesters.
- Student failed to enroll in a required course when it was available, particularly those that are intermittently offered.
- Student engages in other course selection patterns that result in his/her failing to make progress toward completion of the initial program.

Students who do not meet the terms of the plan for program completion may be restricted to enrollment in specific courses or departments, prevented from enrolling entirely, or withdrawn from classes by the academic undergraduate dean after consultation with program faculty. Students may appeal the terms of the plan or any of the dean's actions above under the provisions of the School of Education Grievance Policy.

Withdrawing from UW–Madison

Students wishing to withdraw from the semester in progress must do so through a formal process after reviewing the university policy on Withdrawals (https://registrar.wisc.edu/withdraw/), including the Medical Withdrawal (https://registrar.wisc.edu/medical-withdrawal/). Requests after the first day of the semester and prior to the deadline can be initiated through the Student Center in MyUW. Instructions can be found on this KB page (https://kb.wisc.edu/25601/).

Withdrawing after the deadline (https://registrar.wisc.edu/dates/) requires permission from the School of Education Student Services office. Students must meet with the designated staff member to discuss withdrawal details, supports, and future plans. Students may be asked to provide a written justification for the request and supply medical or other documentation. The decision will be provided via email.

COURSES AND COURSE ENROLLMENT

Attendance Policies

Faculty and instructors may require students to attend scheduled meetings of a class and/or to participate in other course-related activities, including distance activities. Students are responsible for materials presented in such meetings or activities. Because courses are designed and conducted in diverse ways, faculty and instructors are expected to inform students in writing at the beginning of each course if there are specific expectations for attendance/participation, including whether any component of the grade is based on such attendance/participation.

Auditing a Course

A student may audit a course only if the instructor consents and if no laboratory or performance skills are required. (The second restriction usually prevents students from auditing Dance or Art courses.) Auditors do not participate in classroom discussions or take examinations but are expected to attend with reasonable regularity and do some assigned work.

Audited courses carry no degree credits, are not graded, do not count in determining full-time/part-time load for enrollment certification in an academic term, and do not meet degree requirements for School of Education students. Students interested in auditing a course should confer with their Student Services advisor. The deadline to change a course from credit to audit is the end of the fourth week of classes; no exceptions to this deadline are permitted.

Concurrent Enrollment at Two Institutions

School of Education students may occasionally choose to take courses at another institution — e.g., Madison College or Independent Learning through UW Extension — while being a fully enrolled student on the UW–Madison campus. Full-time or part-time student status is usually determined by the credits taken at UW–Madison only; thus, students who take only nine credits on campus and three credits at another institution may not be considered full-time students.

Credit Overload Permission

Students may carry a maximum of 18 credits per semester without the special permission of an academic dean. School of Education undergraduates wishing to take over 18 credits should complete the Credit Overload Request Form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_a5bKn4mlGaeCnpb/). Students must be in excellent academic standing to be considered for a credit overload, usually a 3.0 cumulative GPA on the UW–Madison campus.

Please note that additional fees are assessed for credit overloads on a per-credit basis.

During summer sessions, students may, as a rule, carry one credit per week of instruction unless special permission is given. The maximum

credit load for Education students for the entire summer session is 12. Session-specific limits follow the rule of one credit per week of instruction, except nine credits are allowed in the Eight-Week General Session. Students must obtain permission from an academic dean to carry an overload in any of the summer sessions; start this process by completing the Credit Overload Request Form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_a5bKn4mlGaeCnpb/).

Directed/Independent Study

Directed Study, also called Independent Study, offers the student an opportunity to work with a School of Education faculty member on an individual topic of interest. Most School of Education departments make directed study courses available to students on the basis of the student's preparation and motivation and a faculty member's willingness to accept the student in such an endeavor. Directed Study courses are generally numbered 199, 299, 399, and 699.

This study option is intended primarily for advanced students who have a depth of knowledge in a field, the self-discipline necessary for independent work, and strong motivation to pursue a special project. Some program areas limit the number of Directed Study credits that can be applied to major or minor requirements.

Directed Study is taken as a supplement to, but not as a replacement for, available course offerings. In this way, it may be used to expand areas of particularly strong interest. Extra responsibility is required from the faculty member involved, and no member of the faculty is obligated to accept a proposal for a directed study project. Students should have a well-defined outline of the topic to be studied before discussing the project with a faculty member.

Both the student and instructor must follow UW–Madison's Policy on Directed/Independent Study for Undergraduates (https://kb.wisc.edu/page.php?id=36263). Important components of this document include, but are not limited to:

- The student's responsibility to develop a written study plan, in collaboration and agreement with the instructor, consistent with the responsibilities of the instructor. The study plan will include expectations for learning and student work, the time and place for regular meetings, the number of credits to be earned, and any other issues related to the learning experience.
- Guidelines for assigning the appropriate number of credits to the Directed Study.
- Responsibilities of the Directed Study instructor.
- The approval process for enrolling in a Directed Study after the course add deadline (usually the end of the second week of class in the fall and spring semesters).

Independent Learning Course Enrollment

Students occasionally elect to take an Independent Learning (https://il.wisconsin.edu/course-catalog/) course through the University of Wisconsin Extension. Many of the courses offered through Independent Learning (IL) can count toward specific degree requirements and students have an entire year to complete the coursework. Individuals interested in enrolling in an Independent Learning course should note the following important issues:

Course Equivalencies

Independent Learning courses are not automatically transferable as equivalent UW–Madison campus courses — even when the Independent Learning course carries the same number and title. Use Transferology (https://www.transferology.com/state/wisconsin.htm) to ensure that the Independent Learning course is equivalent to the campus required course. Faculty and dean's offices may have some discretion in permitting courses to count for requirements even when they are not coded as exactly equivalent; students should see their Student Services advisor.

Concurrent Enrollment

UW Extension is an entirely separate institution from UW–Madison. Thus, UW–Madison students must have permission from their academic dean to be enrolled concurrently in another higher education institution. Permission for concurrent enrollment is granted routinely for School of Education students through the School of Education Student Services office. Students should go to the Registrar's Office's website for the permission form. The completed form indicates permission for concurrent enrollment and, in some circumstances, provides for a waiver of the tuition for the Independent Learning course (see additional information below). Students should take this form to the School of Education Student Services office, 139 Education Building, 1000 Bascom Mall, and meet with an advisor. Send it to Independent Learning after it has been approved at the School of Education Student Services office.

Tuition Waiver

The tuition for an Independent Learning course may be waived with the academic dean's permission, although the student is still responsible for other course enrollment fees. Students are eligible for a tuition waiver if they register for an Independent Learning course during the semester they are concurrently enrolled at UW–Madison. In some cases, students may be allowed to register for Independent Learning classes once they have enrolled in courses for the subsequent semester, linking their Independent Learning registration with the credits for the succeeding semester. Students interested in receiving a tuition waiver must be enrolled full time (at least 12 credits) at UW–Madison, and have no more than 18 credits after adding the Independent Learning course. Students should see their Student Services advisor for additional information on these policies. Complete the form and submit it to the School of Education Student Services office, 139 Education Building, 1000 Bascom Mall. This stamped form must then be sent to Independent Learning, with a copy remaining at Student Services.

Posting Independent Learning Courses to the UW–Madison Transcript

Independent Learning courses are posted to the campus transcript after staff at the Office of Admissions and Recruitment (http://admissions.wisc.edu) receive the original transcript. An official transcript for an Independent Learning course must be submitted to this office.

Timing for Course Completion and Degree Posting

Independent Learning courses require a substantial time commitment. Students should not plan to begin an Independent Learning course only a few weeks before it must be completed! Perhaps even more important, students completing an Independent Learning course to meet degree requirements during their last semester on campus should be aware that the Independent Learning course must be completed prior to the University's official graduation date for that semester. The completion date listed on the UW Extension transcript must be on or before the UW–Madison degree completion date or the student's degree will be awarded after the subsequent semester. For example, if a

student's UW Extension transcript indicates a course completion date of May 25 but the UW–Madison degree completion date is May 23, the student's degree will be posted for the subsequent August graduation date, not for the May graduation day. This could create serious problems for teacher education students hoping to secure a position. For this reason, students completing final degree requirements via Independent Learning should consult carefully with Student Services and Independent Learning staff regarding the timing of their course completion and degree posting.

Late Course Adds or Drops

Course enrollment regulations must be followed when adding and dropping courses. Students are responsible for knowing and complying with the published deadlines; see the Office of the Registrar's website (https://registrar.wisc.edu/dates/) for deadlines. Students are expected to check their academic records routinely to minimize the need for late drops based on enrollment errors.

Late Course Add

Students must obtain instructor, departmental, and dean's approval to add a course after the course add deadline. See the Office of the Registrar's website (https://registrar.wisc.edu/permissions/) for instructions.

Late Course Drop

After the drop deadline, courses may be dropped only with permission of the School of Education Student Services office. Permission is granted only in unusual circumstances. Late drops may result in unintended consequences in other areas, e.g., financial aid, insurance coverage, and student status (for international students). Requests for backdated drops due to simply missing the campus drop deadlines (https://registrar.wisc.edu/dates/) or to remove a "DR" from the student's record will not be honored.

To initiate the late drop process, students are encouraged to meet with an academic advisor to discuss their circumstances. Students must fill out a formal request form (available through Education Student Services (https://education.wisc.edu/academics/undergrad-majors/academic-policies-and-forms/)), and meet with the Director of Advising. Students will be required to provide a written justification for the request and may be asked to submit medical or other documentation. The decision will be provided via email.

Repeating Courses

Most courses on the UW–Madison campus may be taken only once for purposes of credit. Some courses may be repeated a limited number of times for credit. Other courses may be repeated an unlimited number of times for credit. When courses are taken more than once, all grades and their associated grade points are included in the cumulative campus grade point average.

Some School of Education professional programs may permit students to retake courses for admission eligibility purposes only. Students should consult Student Services staff with questions regarding repeated courses.

DEGREES, "DOUBLE MAJORS," AND GRADUATION

Additional Major or "Double Major"

School of Education students may be permitted to complete an additional major with their School of Education degree program. Students must be admitted to the professional part of their degree program to be eligible to add an additional major; pre-professional students cannot add another major.

Education students wishing to complete an additional major in the College of Letters & Science must complete these steps:

1. Contact the department that houses the major of interest. Meet with the undergraduate major advisor there, if appropriate. Complete the Major Declaration form and obtain departmental approval (usually a signature or stamp).
2. Take the form to the School of Education Student Services office, 139 Education Building, 1000 Bascom Mall, and ask for a dean's action to permit the additional major. Student Services staff will take the action and send the form to the Registrar's Office. Note: Students in the School of Education should not take the form to the L&S Student Academic Affairs office — even if this is the advice of departmental staff. Requests for an additional major will be rejected by the Registrar's Office for lack of the appropriate dean's approval.

Students will be granted a degree at the end of the fall, spring, or summer semesters in which all School of Education degree requirements are complete. Graduation will **not** be postponed if students have an unfinished additional major or certificate program that is not required for the degree.

Exceptions to the requirements of an additional major or certificate program must be approved by the department and school/college dean's office in which the major or certificate program is located.

Credits-to-Degree

School of Education programs require a minimum of 120 credits in all programs for graduation, although programs may require more. To earn 120 credits in four years (eight semesters), students must average 15 credits per semester. The number of credits carried each semester may depend upon a student's preparation, motivation, course selection, employment, and extracurricular activities.

Degree Audit Reporting System (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options,

research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

Dual Degrees

Students may be permitted to complete two degrees simultaneously. For example, students may complete two degree programs in the School of Education or may choose a degree program in the College of Agricultural and Life Sciences along with their School of Education degree. Not all schools/colleges permit dual degrees – e.g., this is not permitted by the College of Letters & Science or by the College of Engineering. Students should confer with an academic dean regarding the ability and feasibility of completing two degrees programs simultaneously. Students wishing to earn two undergraduate degrees must follow these academic policies:

- If the two degrees to be earned are within the School of Education, at least 30 additional credits and all course and grade point average requirements for the second degree must be completed for the second degree. When the first degree requires 120 credits, a minimum of 150 credits for most majors will be required. The two degree programs must differ sufficiently to permit the total credits to be accumulated. Courses may count toward the fulfillment of both degree programs. Permission to complete two degrees simultaneously requires the academic dean's approval. This approval, and the formal academic action permitting the dual degree work, should be sought as early as possible to ensure that it is feasible to complete both degrees.
- If the two degrees to be earned are from two different schools/colleges (one degree in Education and one degree in another school or college on this campus), the following academic policies shall be followed:
- Permission to complete two degrees simultaneously requires academic dean's approval from both schools/colleges. Students should see their current dean's office for the required paperwork.
- Admission into the other school/college shall be based on the admission criteria for that particular school/college and, when necessary, particular program.
- The two degree programs must differ sufficiently so that the combined total requirements for the two degrees are at least 150 credits.
- The student's program must be reviewed and approved in both colleges before the start of a student's senior year in residence.
- The degree from each college will be awarded simultaneously.
- Exceptions to degree requirements must be taken by staff from the school/college linked to the particular degree.

Grades and Grading

Grading System

See Enrollment and Records (p. 36) for detailed information on the campus grading system, including the list of possible grades and their impact on a student's grade point average.

Credit/No Credit Courses

Courses designated as being offered on a Credit/No Credit basis are indicated on the transcript as either CR, meaning the student earned the credits for which the course was offered, or N, meaning that the student did not earn any credit even though enrolled for the course. Students may not take such courses on any other basis.

"F" Grade Policies

If the course is repeated, the original F will remain on the transcript and will be included in computing the GPA. If a grade of F, N (no credit), or U (unsatisfactory) is received in student teaching or in courses within required practica, the course may be repeated only if the faculty adviser, the supervisor of the practicum or student teaching, and the appropriate associate dean gives approval. A third attempt to register in a course under these conditions is not allowed.

Incompletes

A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework.

To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

For a short summary of the policy, see the Enrollment and Records - Incompletes section of Guide (p. 38).

Pass/Fail Grading

All undergraduate students are eligible to take a course on a pass/fail basis if they request the option prior to the deadline and are in good academic standing at the time of the request. Good academic standing for this purpose means that students have a minimum 2.5 cumulative grade-point average based on UW–Madison coursework. Undergraduates may carry one course on a pass/fail basis per term. (Each year's summer sessions collectively count as a single term.)

Pass/fail can be chosen only for elective courses. Required courses cannot be taken on a pass/fail basis. The School of Education may reject pass/fail requests for non-elective work, but it is the student's responsibility to be sure that the requested course is an elective. Courses taken on a pass/fail basis will not count for non-elective requirements—even if they would normally count toward such requirements.

Students may submit pass/fail requests via their Student Center link from the time that they register until midnight on the Friday at the end of the fourth week of fall and spring semesters. For modular and summer session courses, pass/fail requests must be submitted by midnight Friday of the week in which the session is one-fourth completed. Students may not cancel or add the pass/fail option after the deadline for submitting Pass/Fail Option Forms.

Instructors are not notified when a student elects the pass/fail option (Students can see whether a course is pass/fail in their Student Center). When a course is taken on a pass/fail basis, the instructor reports a letter grade, which is converted by the registrar to an S (satisfactory) or U (unsatisfactory).

The grade of S shall be recorded by the registrar in place of instructors' grades of A, AB, B, BC, or C. The grade of U shall be recorded by the registrar in place of instructors' grades of D or F. Neither the S nor the U is used in computing the grade-point average. A student must earn at least a C to receive credit for the course.

Please note that courses completed on a pass/fail basis do not apply toward Liberal Studies, major, minor, or professional education requirements for graduation. Students planning graduate study should not take courses on a pass/fail basis if these are pre-professional requirements for admission to graduate and/or professional programs. Individuals who are undecided about a major should avoid taking a course on a pass/fail basis that might later become a required course needed to complete a major. Students may wish to consult with an advisor before taking a course on a pass/fail basis.

Six-Weeks (Midterm) Grades

Only first-year students receive midterm, or "six-week" grades. Midterm grades (https://registrar.wisc.edu/exam-grading/) for first-year students are prepared at the end of the sixth week of classes and are made available to students in their Student Center in My UW on Monday of the eighth week. An email is sent to all students with six-week grades informing them of their availability in the Student Center.

The midterm grade report provides students with important feedback about course enrollment and performance before the course drop deadline. Students should check their six-week grade report to make sure all courses are listed and grades indicated. An "NW" means that "No Work" has been turned in; students who have been attending the course should contact the instructor immediately. In the case of a course registration problem, students should see their Student Services advisor immediately.

Grades from Transfer Courses

Grades from transfer courses are not posted to the UW–Madison transcript; however, the School of Education uses all attempted transferable coursework to determine program admission eligibility and selection grade point average. Students should be aware that grades earned at another institution will be included in admission calculations. (Courses for which an "F" is earned do not transfer to UW–Madison.) Students should see their School of Education advisor if they have additional questions about this policy.

PROGRAM ADMISSIONS

Last 60 Credit Rule

Two grade point averages will be calculated to determine candidates' eligibility for programs. GPAs will be calculated using:

1. all transferable college-level coursework attempted, *and*
2. the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.)

The use of the last 60 credits does not supersede other eligibility requirements. For example, when a minimum GPA on prerequisite courses is required, or a minimum major GPA is required to be eligible for admission, all required courses will be used in calculating this GPA. This will include courses taken prior to the last 60 credits. A cumulative GPA, however, will still be calculated based on the last 60 college credits attempted.

Currently, retention and graduation GPAs are based on all credits attempted at UW–Madison as an undergraduate student. If each semester's GPA after admission to the program meets the required GPA for retention, the student will be allowed to continue and complete the program.

This policy does not apply to certification programs in Music Education, as the degree is granted from the College of Letters and Science, not the School of Education.

Contact the School of Education Student Services office for additional information regarding the interpretation of this policy.

Students with a Previous Degree

A prospective student who already holds an undergraduate degree is admitted to the School of Education as either an Education Special student or a Second Degree student, depending on the academic area of interest and the individual's previous coursework. The term "Special Student" indicates that the student has an interest in pursuing certification in a subject area studied during the initial degree; the student does not receive a second degree for this "certification only" coursework. Second undergraduate degree students are seeking a second degree from the School of Education in an area that is different from the major coursework of the first degree. This degree may or may not include teacher certification. Candidates for limited enrollment programs must meet all admission eligibility requirements for the program and must compete with the eligible applicants for program admission.

Special Students

Applicants must file an undergraduate application with the Office of Admissions and Recruitment (http://admissions.wisc.edu). Education Special students not yet admitted to a professional program are given an EDS classification, are not eligible for financial aid, and enroll last with the other special students on campus. Candidates seeking Special student status in open enrollment programs must obtain written permission for admission from the relevant program coordinator and must submit a professional program application to the School of Education Student Services office. Candidates seeking admission to a limited enrollment program must meet all admission eligibility requirements for the program and must compete with other eligible candidates for program admission. Applicants admitted to a certification professional program become Education Certification Special students (EDCS classification) to distinguish them from Special students not so admitted. Students with an EDCS classification may be eligible for financial aid. Continuing EDCS students may register with undergraduates having junior status.

Second Degree Candidates

Students who wish to earn a second baccalaureate degree in the School of Education must file an undergraduate application with the Office of Admissions and Recruitment (http://admissions.wisc.edu) and must file a professional program application with the School of Education Student Services office. Second-degree students not yet admitted to a professional

program are given a pre-professional classification. Second-degree candidates must:

- be seeking a new major that is substantially different from their previous degree work;
- complete at least 15 upper-level credits in the new major;
- complete at least 30 credits beyond their previous coursework.

The determination of whether a student should be admitted as a second degree candidate or Education Special student is made by the faculty advisor in consultation with Student Services staff after analyzing the student's remaining requirements. The faculty advisor will determine the specific remaining requirements for students admitted to a program. In addition to completing the requirements specific to the program(s) of interest, returning students must also complete any relevant campus-wide requirements, complete the requirements specific to individual program areas such as the Environmental Education requirement, and satisfy any high school deficiencies identified at the time of admission to UW–Madison. Students are strongly encouraged to discuss their academic plans with their faculty advisor and must make satisfactory progress toward program completion - see Satisfactory Progress/Excess credits for details.

REQUIREMENTS

REQUIREMENTS

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

How Students Meet Requirements

All students are required to complete a minimum of 40 credits of liberal studies coursework. Most liberal studies courses are offered by academic departments in the College of Letters & Science. Each course is assigned a number of descriptors (attributes) that provide information about its content. For example, a breadth designation indicates what kind of course it is – a science course, a literature course, etc. Level designations describe how advanced the content of a course is in relation to other courses in the department – elementary, intermediate, or advanced level.

The Liberal Arts and Sciences (LAS) attribute identifies courses that contain liberal arts content. These courses are found in many schools and colleges across the campus, including the School of Education. All courses with the LAS attribute may be selected to meet the liberal studies requirement. These courses, and those on the fine arts list, are the only School of Education courses that will count toward the requirement.

Details about each course, including breadth, level, and LAS status, can be found in Course Search and Enroll (https://registrar.wisc.edu/course-search-enroll/). Click on the course number to obtain this information. Students can also search for courses meeting specific breadth, level, credits, and other attributes using Course Search and Enroll (https://registrar.wisc.edu/course-search-enroll/). School of Education departments with LAS courses include Art, Counseling Psychology, Curriculum and Instruction, Dance, Educational Leadership and Policy Analysis, Educational Policy Studies, Educational Psychology, Kinesiology, Rehabilitation Psychology and Special Education, and Theatre and Drama.

UW–Madison breadth designations

Biological Science
Humanities
Literature
Natural Science
Physical Science
Social Science
Social or Natural Science
Humanities or Natural Science
Biological or Social Science
Humanities or Social Science

Humanities

All students must complete a minimum of 9 credits, to include:

Literature (minimum of 2 credits)

Any course designated as *Literature*.

Fine Arts (minimum of 2 credits)

The courses listed below are approved for the Fine Arts requirement. Additional courses can be considered; students may consult with an advisor in the School of Education Student Services Office.

Code	Title	Credits
African Languages and Literature		
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal	3
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	3
Afro-American Studies		
AFROAMER 154	Hip-Hop and Contemporary American Society	3
AFROAMER 156	Black Music and American Cultural History	3
AFROAMER/ AFRICAN 220	HipHop, Youth Culture, and Politics in Senegal	3
AFROAMER 225	Introduction to African American Dramatic Literature	3
AFROAMER/ AFRICAN 233	Global HipHop and Social Justice	3
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	3
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women	3
AFROAMER/ DANCE/MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
AFROAMER 338	The Black Arts Movement	3
AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
AFROAMER/ AFRICAN 413	Contemporary African and Caribbean Drama	3-4
American Indian Studies		
AMER IND 325	American Indians in Film	3
Art		
Any course from the Department of Art (https://guide.wisc.edu/courses/art/)		
Art History		

Any course from the Department of Art History (https://guide.wisc.edu/courses/art_hist/)		
Communication Arts		
COM ARTS 350	Introduction to Film	3
COM ARTS 357	History of the Animated Film	3
Dance		
Any course from the Department of Dance (https://guide.wisc.edu/courses/dance/)		
Design Studies		
DS 120	Design: Fundamentals I	3
English		
ENGL 207	Introduction to Creative Writing: Fiction and Poetry Workshop	3
ENGL 307	Creative Writing: Fiction and Poetry Workshop	3
ENGL 407	Creative Writing: Nonfiction Workshop	3
ENGL 408	Creative Writing: Fiction Workshop	3
ENGL 409	Creative Writing: Poetry Workshop	3
ENGL 410	Creative Writing: Playwriting Workshop	3
ENGL 411	Creative Writing: Special Topics Workshop	3
Environmental Studies		
ENVIR ST/HIST SCI/HISTORY 125	Green Screen: Environmental Perspectives through Film	3
Folklore		
FOLKLORE/MUSIC 103	Introduction to Music Cultures of the World	3
Gender and Women's Studies		
GEN&WS/AFROAMER 267	Artistic/Cultural Images of Black Women	3
German		
GERMAN 267	Yiddish Song and the Jewish Experience	3-4
Integrated Liberal Studies		
ILS 203	Western Culture: Literature and the Arts I	3
ILS 204	Western Culture: Literature and the Arts II	3-4
Literature in Translation		
LITTRANS 207	Slavic Science Fiction through Literature and Film	3
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 233	Russian Life and Culture Through Literature and Art (to 1917)	3-4
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	3-4
LITTRANS/THEATRE 335	In Translation: The Drama of Henrik Ibsen	3-4
LITTRANS/FOLKLORE 327	Vampires	3
LITTRANS/THEATRE 336	In Translation: The Drama of August Strindberg	3-4
Music		
Any course from the Department of Music (https://guide.wisc.edu/courses/music/)		
Music Performance		
Any course from the Department of Music Performance (https://guide.wisc.edu/courses/mus_perf/)		
Theatre		
Any course from the Department of Theatre and Drama (https://guide.wisc.edu/courses/theatre/)		

Humanities Elective(s)

May include courses designated as *Humanities*, *Literature*, *Humanities or Natural Science*, *Humanities or Social Science*, elementary and intermediate level foreign language, or additional fine arts. May also count COM ARTS 181 Elements of Speech-Honors Course, and any English (https://guide.wisc.edu/courses/engl/) department intermediate or advanced level creative writing or composition course toward this requirement (ESL classes and elementary level composition courses are excluded).

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Select from courses with a breadth designation of *Social Science*, *Social or Natural Science*, *Biological or Social Science,* or as *Humanities or Social Science.*

Teacher education and kinesiology students have unique requirements in this category; see below:

Teacher Education requirement

Teacher education students must complete a Local, State, and National Government requirement by enrolling in one of the following courses as part of the 9 credits:

- POLI SCI 104 Introduction to American Politics and Government or
- POLI SCI 205 Introduction to State Government

Kinesiology

Kinesiology students must complete PSYCH 202 Introduction to Psychology as part of the 9 credits.

Science

All students must complete a minimum of 9 credits, including one course designated as a Biological Science course and one designated as a Physical Science course. All students must complete one science course with a laboratory. The lab course can also count toward the Biological or Physical Science requirement if it has the requisite breadth designation.

Biological Science

Any course with a breadth designation of *Biological Science,* or as *Biological or Social Science*.

Physical Science

Any course with a breadth designation of *Physical Science*.

Science Elective(s)

Other courses with a breadth designation of *Biological Science, Physical Science, Natural Science, Social or Natural Science*, *Humanities or Natural Science*, or as *Biological or Social Science.*

Laboratory Requirement

Most sciences with lab sections are identified as such in Course Search and Enroll (https://registrar.wisc.edu/course-search-enroll/).

In addition to courses with lab sections, the following courses include some lab experience and will meet the lab requirements for students in the School of Education:

Code	Title	Credits
Course options within the College of Letters Science		
ANTHRO 105	Principles of Biological Anthropology	3
ATM OCN 101	Weather and Climate	4
BOTANY 100	Survey of Botany	3
GEOSCI 100	Introductory Geology: How the Earth Works	3
PHYSICS 109	Physics in the Arts	3
Suggested course options outside the College of Letters Science		
BOTANY/PL PATH 123	Plants, Parasites, and People	3
FOOD SCI/ MICROBIO 324	Food Microbiology Laboratory	2
HORT 120	Survey of Horticulture	3
PL PATH/ BOTANY 123	Plants, Parasites, and People	3

Cultural and Historical Studies

All students must complete three requirements met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation. A single course cannot satisfy more than one of the three Cultural and Historical Studies requirements listed below.

Ethnic Studies (minimum 3 credit course)

The Ethnic Studies requirement is intended to increase understanding of the culture and contributions of persistently marginalized racial or ethnic groups in the United States and to equip students to respond constructively to issues connected with our pluralistic society and global community. Courses that meet this requirement have a specific ethnic studies designation that can be utilized in a course search.

United States or European History (minimum 3 credits)

The courses listed below count toward this requirement. Additional courses can be considered; students may consult with an advisor in the School of Education Student Services office.

Code	Title	Credits
Afro-American Studies		
AFROAMER 154	Hip-Hop and Contemporary American Society	3
AFROAMER 156	Black Music and American Cultural History	3
AFROAMER 231	Introduction to African American History	3
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ AFRICAN/HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFROAMER 302	Undergraduate Studies in Afro-American History	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ HISTORY 322	African American History to 1900	3
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 324	Black Women in America: Reconstruction to the Present	3
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER/ ED POL 567	History of African American Education	3
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER 671	Selected Topics in Afro-American History	3
American Indian Studies		
AMER IND 100	Introduction to American Indian Studies	3
AMER IND 250	Indians of Wisconsin	3
AMER IND/ ANTHRO 314	Indians of North America	3
AMER IND/ HISTORY 380	Sovereignty and the Schoolhouse	3
AMER IND/ SOC WORK 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
Art History		
ART HIST 357	History of Wisconsin Architecture, 1800-present	3
Asian American Studies		
ASIAN AM/ AFROAMER/ AMER IND/CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
ASIAN AM/ HISTORY 160	Asian American History: Movement and Dislocation	3-4
ASIAN AM/ HISTORY 161	Asian American History: Settlement and National Belonging	3-4
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM/ASIAN/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3

Chicana/o and Latina/o Studies		
CHICLA/ AFROAMER/ AMER IND/ ASIAN AM/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
CHICLA/ HISTORY 151	The North American West to 1850	3-4
CHICLA/ HISTORY 152	The United States West Since 1850	3-4
CHICLA/ HISTORY 153	Latina/Latino/Latinx History	3-4
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
CHICLA/GEN&WS/ HISTORY 245	Chicana and Latina History	3
CHICLA 301	Chicana/o and Latina/o History	3
CHICLA 315	Racial Formation and Whiteness	3
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	3
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	3
CHICLA/HISTORY/ POLI SCI 422	Latino History and Politics	3
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
Classics		
CLASSICS 206	Classical Influences on Western Art and Science	3
Community Environmental Sociology		
C&E SOC/HISTORY/ POLI SCI/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
Dance		
DANCE 115	Hip-Hop Dance Technique and Theory 1	1-2
Educational Policy Studies		
ED POL/ HISTORY 107	The History of the University in the West	3
ED POL/ HISTORY 412	History of American Education	3
ED POL/ AFROAMER 567	History of African American Education	3
ED POL/ HISTORY 612	History of Student Activism from the Popular Front to Black Lives Matter	3
Environmental Studies		
ENVIR ST/GNS 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
Folklore		
FOLKLORE/ GNS 200	Folklore of Central, Eastern and Northern Europe	3
Gender and Women's Studies		
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
History—United States History		
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4
HISTORY 102	American History, Civil War Era to the Present	4
HISTORY/ ED POL 107	The History of the University in the West	3
HISTORY 109	Introduction to U.S. History	3-4
HISTORY/ENVIR ST/ HIST SCI 125	Green Screen: Environmental Perspectives through Film	3
HISTORY 136	Sport, Recreation, & Society in the United States	3-4
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HISTORY/ CHICLA 152	The United States West Since 1850	3-4
HISTORY/ CHICLA 153	Latina/Latino/Latinx History	3-4
HISTORY 154	Who is an American?	3-4
HISTORY 155	The Long Black Freedom Struggle from the Civil War to the Present	3-4
HISTORY/ ASIAN AM 160	Asian American History: Movement and Dislocation	3-4
HISTORY/ ASIAN AM 161	Asian American History: Settlement and National Belonging	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY/ AMER IND 190	Introduction to American Indian History	3-4
HISTORY 201	The Historian's Craft (topic must be approved)	3-4
HISTORY/ JEWISH 213	Jews and American Pop. Culture	3-4
HISTORY/ JEWISH 219	The American Jewish Experience: From Shtetl to Suburb	4
HISTORY 221	Explorations in American History (H)	3-4
HISTORY 227	Explorations in the History of Race and Ethnicity	3
HISTORY/ART HIST/ ENVIR ST/GEOG/ LAND ARC 239	Making the American Landscape	3-4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/C&E SOC/ POLI SCI/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
HISTORY/ LEGAL ST 261	American Legal History to 1860	3
HISTORY/ LEGAL ST 262	American Legal History, 1860 to the Present	3
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	3-4

HISTORY 272	History Study Abroad: United States History	1-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 306	The United States Since 1945	3-4
HISTORY/ AFROAMER 321	Afro-American History Since 1900	3-4
HISTORY/ AFROAMER 322	African American History to 1900	3
HISTORY 329	History of American Capitalism	4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY 345	Military History of the United States	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	3-4
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 401	Public History Workshop	3
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY/CHICLA/ POLI SCI 422	Latino History and Politics	3
HISTORY 427	The American Military Experience to 1902	3-4
HISTORY 428	The American Military Experience Since 1899	3-4
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
HISTORY/ ECON 466	The American Economy Since 1865	3-4
HISTORY 500	Reading Seminar in History (U.S. Topics)	3
HISTORY/ LEGAL ST 510	Legal Pluralism	3
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 607	The American Impact Abroad: The Historical Dimension	3
HISTORY/ ED POL 612	History of Student Activism from the Popular Front to Black Lives Matter	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3

History—European History

HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 124	Britain since 1688	4
HISTORY 201	The Historian's Craft (topic must be approved)	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY 223	Explorations in European History (H)	3-4
HISTORY 224	Explorations in European History (S)	3
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
HISTORY 270	Eastern Europe since 1900	3-4
HISTORY 271	History Study Abroad: European History	1-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ JEWISH 310	The Holocaust	3-4
HISTORY/ HIST SCI 323	The Scientific Revolution: From Copernicus to Newton	3
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 348	France from Napoleon to the Great War, 1799-1914	3-4
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY 357	The Second World War	3-4

HISTORY 358	French Revolution and Napoleon	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe	3-4
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800	3
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics	3
HISTORY 417	History of Russia	3-4
HISTORY 418	History of Russia	3-4
HISTORY 419	History of Soviet Russia	3-4
HISTORY 420	Russian Social and Intellectual History	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	3
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ ED POL 478	Comparative History of Childhood and Adolescence	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
HISTORY/ SCAND ST 577	Contemporary Scandinavia: Politics and History	3-4
History of Science		
HIST SCI/HISTORY/ MED HIST 132	Bees, Trees, Germs, and Genes: A History of Biology	3
HIST SCI 150	The Digital Age	3
HIST SCI/ HISTORY 171	History of Medicine in Film	3-4
HIST SCI 201	The Origins of Scientific Thought	3
HIST SCI 218	History of Twentieth Century American Medicine	3
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3
HIST SCI 404	A History of Disease	3-4
HIST SCI/ MED HIST 509	The Development of Public Health in America	3
HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	3
HIST SCI/GEN&WS/ MED HIST 531	Women and Health in American History	3
HIST SCI/GEN&WS/ MED HIST 532	The History of the (American) Body	3
HIST SCI/ GEN&WS 537	Childbirth in the United States	3
Integrated Liberal Studies		
ILS 201	Western Culture: Science, Technology, Philosophy I	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
International Studies		
INTL ST/ HISTORY 332	East Asia & The U.S. Since 1899	3-4
Legal Studies		
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	3
Music		
MUSIC 202	Delta Blues	3
MUSIC 203	American Ethnicities and Popular Song	3
MUSIC 317	Musical Women in Europe and America: Creativity, Performance, and Identity	3
Political Science		
POLI SCI/C&E SOC/ HISTORY/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
POLI SCI/CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI/CHICLA/ HISTORY 422	Latino History and Politics	3
Scandinavian Studies		
SCAND ST 348	The Second World War in Nordic Culture	3
Sociology		
SOC/C&E SOC/ HISTORY/ POLI SCI 259	Forward? The Wisconsin Idea, Past and Present	1-3

Global Perspectives (minimum 3 credits)

Global perspectives courses include courses whose primary emphasis is on:

- cultures whose origins lie outside of the Western tradition, or
- analyzing and interpreting cultural differences through the study of language, gender, race, ethnicity, religion, or class, or
- cultural pluralism within specific geographical areas.

The courses listed below count toward this requirement. Additional courses can be considered; students may consult with an advisor in the School of Education Student Services Office, 139 Education Building.

Code	Title	Credits
African Cultural Studies		
AFRICAN/ HISTORY 129	Africa on the Global Stage	3-4
AFRICAN 201	Introduction to African Literature	3
AFRICAN 202	Introductory Topics in African Cultural Studies	3
AFRICAN 203	Introductory Topics in African Literature	3
AFRICAN 204	Introductory Topics in African Languages	3
AFRICAN/ FOLKLORE 210	The African Storyteller	3
AFRICAN 212	Introduction to African Popular Culture	3
AFRICAN/ FRENCH 216	Modern and Contemporary Francophone Topics	3
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal	3
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFRICAN 300	African Literature in Translation	3
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	3
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	4
AFRICAN 403	Theories of African Cultural Studies	3
AFRICAN/ RELIG ST 408	Everyday Religion in Africa	3
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	3
AFRICAN/ COM ARTS/ L I S 444	Technology and Development in Africa and Beyond	3
Afro-American Studies		
AFROAMER/ AFRICAN 220	HipHop, Youth Culture, and Politics in Senegal	3
AFROAMER/ AFRICAN 233	Global HipHop and Social Justice	3
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4
AFROAMER/ AFRICAN/ANTHRO/ GEOG/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
AFROAMER/ AFRICAN/HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFROAMER/ GEN&WS 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
Agricultural and Applied Economics		
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 319	The International Agricultural Economy	3
A A E/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
A A E/ECON 473	Economic Growth and Development in Southeast Asia	3
Agroecology		
AGROECOL 377	Global Food Production and Health	3
Anthropology		
ANTHRO 100	General Anthropology	3
ANTHRO 102	Archaeology and the Prehistoric World	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
ANTHRO 105	Principles of Biological Anthropology	3
ANTHRO/ FOLKLORE/ INTL ST/LINGUIS 211	Global Language Issues	3
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	3

ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
ANTHRO 265	Introduction to Culture and Health	3
ANTHRO/AFRICAN/ AFROAMER/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/ AMER IND 314	Indians of North America	3
ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 322	The Origins of Civilization	3
ANTHRO 330	Topics in Ethnology (topic must be approved)	3-4
ANTHRO 333	Prehistory of Africa	3
ANTHRO 339	Archaeology of Warfare and Human Nature	3
ANTHRO 350	Political Anthropology	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ANTHRO 365	Medical Anthropology	3
Art History		
ART HIST 205	Global Arts	4
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture	3
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	3-4
ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 411	Topics in Asian Art	3-4
ART HIST 412	Topics in African and African Diaspora Art History	3-4
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST/ ASIAN 428	Visual Cultures of India	3
ART HIST 440	Art and Power in the Arab World	3
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ART HIST 510	Proseminar in Islamic Art and Architecture	3
Asian Languages and Cultures		
ASIAN 100	Gateway to Asia: Special Topics	3-4
ASIAN/ ART HIST 179	Passage Through India: South Asia's Global Architectural Histories	3
ASIAN/ LITTRANS 212	Classical South Asian Literatures	3
ASIAN 252	Contemporary Indian Society	3
ASIAN 254	Korean Popular Culture	3
ASIAN 253	Japanese Popular Culture	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN 277	Kendo: Integration of Martial Arts and Liberal Arts	2
ASIAN 300	Topics in Asian Studies	3
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN 310	Introduction to Comics and Graphic Novels: Theory, History, Method	3
ASIAN 311	Modern Indian Literatures	3
ASIAN/SOC 334	Gender, Work, and Family in East Asia	3
ASIAN/SOC 336	Social Change in Contemporary South Korea	3
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 374	Korean Cinema	3
ASIAN 378	Anime	3
ASIAN/ ART HIST 379	Cities of Asia	3
ASIAN 403	Southeast Asian Literature	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ RELIG ST 466	Buddhist Thought	3
ASIAN/ RELIG ST 505	The Perfectible Body in Religions, Medicines, and Politics	3
ASIAN 533	Readings in Early Modern Japanese Literature	3
ASIAN 642	History of Chinese Literature II	3
Chicana/o Latina/o Studies		
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	3

CHICLA/ GEN&WS 334	Feminist Social Movements Across the Americas	3
CHICLA/ED POL/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	3
Classics		
CLASSICS 321	The Egyptians: History, Society, and Literature	3
Community Environmental Sociology		
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/ AFROAMER/ ANTHRO/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
Dance		
DANCE 118	African Dance	1
DANCE 165	Introduction to the Histories of Dance	3
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
Environmental Studies		
ENVIR ST/ GEOG 139	Global Environmental Issues	3
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction	3
ENVIR ST/A A E 244	The Environment and the Global Economy	4
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST/ ATM OCN/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ENVIR ST/ GEOG 339	Environmental Conservation	4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
Folklore		
FOLKLORE 100	Introduction to Folklore	3
FOLKLORE/ MUSIC 103	Introduction to Music Cultures of the World	3
FOLKLORE/ AFRICAN 210	The African Storyteller	3
FOLKLORE/ ANTHRO/INTL ST/ LINGUIS 211	Global Language Issues	3
FOLKLORE/ RELIG ST 352	Shamanism	3
Gender and Women's Studies		
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS 104	Gender, Sexuality, and Global Health	3
GEN&WS/ HISTORY 134	Women and Gender in World History	3-4
GEN&WS/ AFROAMER 367	Art and Visual Culture: Women of the African Diaspora and Africa	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
GEN&WS/ PORTUG 450	Brazillian Women Writers	3
Geography		
GEOG 101	Introduction to Human Geography	4
GEOG/ ENVIR ST 139	Global Environmental Issues	3
GEOG/ASIAN/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
GEOG/AFROAMER/ ANTHRO/C&E SOC/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
GEOG/AFRICAN/ AFROAMER/ ANTHRO/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
GEOG 307	International Migration, Health, and Human Rights	3
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
GEOG/INTL ST 311	The Global Game: Soccer, Politics, and Identity	3
GEOG/INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG 340	World Regions in Global Context	3
GEOG 355	Africa, South of the Sahara	3
GEOG 358	Human Geography of Southeast Asia (German, Nordic, and Slavic)	3
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	3
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	3
German, Nordic, and Slavic		
GNS/HISTORY 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
GNS 460	Readings in Turkish: Contemporary Turkey through Literature and Media	4
History		

HISTORY/ASIAN 103	Introduction to East Asian History: China	3-4
HISTORY/ASIAN 104	Introduction to East Asian History: Japan	3-4
HISTORY/ AFRICAN 106	Introduction to African History	3-4
HISTORY/ASIAN 108	Introduction to East Asian History - Korea	3-4
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY/ AFRICAN 129	Africa on the Global Stage	3-4
HISTORY 130	An Introduction to World History	3-4
HISTORY 133	Global Military History (5000 BCE - Present)	3-4
HISTORY/ GEN&WS 134	Women and Gender in World History	3-4
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 146	A Global History of Now	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (Latin American Topics)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY 225	Explorations in Third World History (H)	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (topic must be approved)	3
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 273	History Study Abroad: Non-Western History	1-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY 340	Cultural History of Korea	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	3
HISTORY/ ASIAN 363	China and World War II in Asia	3-4
HISTORY/ INTL ST 375	The Cold War - From World War II to End of Soviet Empire	3-4
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800	3
HISTORY/CHICLA/ POLI SCI 422	Latino History and Politics	3
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
HISTORY/ ENVIR ST 465	Global Environmental History	3-4
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3

History of Science

HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	3

International Business

INTL BUS 200	International Business	3
International Studies		
INTL ST 101	Introduction to International Studies	3-4
INTL ST 266	Introduction to the Middle East	3
INTL ST 310	International Learning Community Seminar (specific topic must be approved)	1-3
INTL ST/ ED POL 335	Globalization and Education	3
INTL ST/A A E 373	Globalization, Poverty and Development	3
INTL ST/A A E 374	The Growth and Development of Nations in the Global Economy	3
Literature in Translation		
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	3
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 373	Topics in Japanese Literature	3
Medieval Studies		
MEDIEVAL/ HISTORY/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
Music		
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	3
MUSIC 260	Global Hand Drumming Ensemble: Survey of Selected Global Hand Drumming Traditions	1
Nutritional Sciences		
NUTR SCI/ ENTOM 203	Introduction to Global Health	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
Political Science		
POLI SCI 120	Introduction to Comparative Politics	4
POLI SCI 182	Introduction to Comparative Politics (Honors)	3
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	3-4
POLI SCI/ASIAN/ GEOG/HISTORY/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations	3-4
POLI SCI/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/SOC/ SPANISH 260	Latin America: An Introduction	3-4
POLI SCI/CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
POLI SCI/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/SOC 277	Africa: An Introductory Survey	4
POLI SCI/AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction	4
POLI SCI 320	Governments and Politics of the Middle East and North Africa	3-4
POLI SCI 324	Chinese Politics	3-4
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 329	African Politics	3-4
POLI SCI 336	Democracy (and Its Uncertain Future)	4
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI 346	China in World Politics	3-4
POLI SCI 349	Global Access to Justice	3
POLI SCI 370	Islam and Politics	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
Population Health		
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
Religious Studies		
RELIG ST/ HISTORY 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
RELIG ST/ ASIAN 206	The Qur'an: Religious Scripture & Literature	3
RELIG ST/ ASIAN 274	Religion in South Asia	3
RELIG ST/ ASIAN 307	A Survey of Tibetan Buddhism	3
RELIG ST/ASIAN/ HISTORY 308	Introduction to Buddhism	3-4
RELIG ST/HISTORY/ MEDIEVAL 309	The Crusades: Christianity and Islam	3-4
RELIG ST/ FOLKLORE 352	Shamanism	3
RELIG ST/AFRICAN/ ASIAN 370	Islam: Religion and Culture	4
RELIG ST 400	Topics in Religious Studies - Humanities (topic must be approved)	3-4
RELIG ST 401	Topics in Religious Studies - Social Studies (topic must be approved)	3-4
RELIG ST/ ASIAN 466	Buddhist Thought	3
Sociology		
SOC/C&E SOC 140	Introduction to Community and Environmental Sociology	4

SOC 170	Population Problems	3-4
SOC/C&E SOC 222	Food, Culture, and Society	3
SOC/ASIAN/ GEOG/HISTORY/ POLI SCI 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
SOC/C&E SOC/ F&W ECOL 248	Environment, Natural Resources, and Society	3
SOC/AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SPANISH 260	Latin America: An Introduction	3-4
SOC/AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ POLI SCI 277	Africa: An Introductory Survey	4
Spanish		
SPANISH 223	Introduction to Hispanic Cultures	3
SPANISH/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC 260	Latin America: An Introduction	3-4
Theatre		
THEATRE 351	Fundamentals of Asian Stage Discipline	3
THEATRE 526	The Theatres of China and Japan	3

Liberal Studies Electives

Complete additional liberal studies coursework as needed to reach the required 40 Liberal Studies credits.

Important Notes Regarding the Liberal Studies Electives

- Completion of the Liberal Studies requirements is not a prerequisite to professional program declaration or admission.
- Whether a course can double count toward liberal studies and major requirements varies by program area and will be reflected in a student's DARS report.
- Courses that transfer to UW–Madison as departmental electives (e.g., POLI SCI X10) might meet specific Liberal Studies requirements. Students may consult with an advisor in the School of Education Student Services office to discuss transfer electives that appear to meet specific course requirements.
- While one course may cover two requirements, students must still complete both the 40-credit total and the 9-credit minimum requirements in Humanities, Social Studies (Social Science), and Science. For example, THEATRE/ENGL 120 Introduction to Theatre and Dramatic Literature, a Literature course also on the Fine Arts list, may be used to meet both the specific Fine Arts and Literature requirements of the Humanities area, but a total of 9 credits of Humanities are still required.
- No liberal studies coursework may be taken on a Pass/Fail basis.

Guidelines for Specific Program Areas

Teacher Education Programs

All teacher education students, except those in art education, may apply any appropriate coursework from the major or minor toward the Liberal Studies requirements. Art education students may apply all of the aesthetics credits (usually 14) toward the Liberal Studies requirements, but not courses taken to meet the studio requirements.

Art (BFA and BS)

In general, students may not satisfy Liberal Studies requirements with courses meeting studio or aesthetics requirements. However, Art–BFA candidates may apply 4 aesthetics elective credits toward the Humanities credits.

Kinesiology and Physical Education

Kinesiology and physical education students will meet the Science requirement by completing their required science courses — e.g., chemistry and physics.

Communication Sciences and Disorders

Communication sciences and disorders students should consult both the Liberal Studies requirements and the communication sciences and disorders program requirements, particularly the "related courses" section, when selecting Liberal Studies coursework. Courses may count in both places. Note: The American Speech-Language-Hearing Association (ASHA) standards now specify that a course in each of the following areas is required for ASHA certification.

- Biological sciences
- Physical sciences (chemistry or physics)
- Statistics
- Social/behavioral sciences

Dance (BFA & BS)

Dance and Dance–BFA students must complete ANAT&PHY 338 Human Anatomy Laboratory, or equivalent, which will meet both a Science requirement and the Science Laboratory requirement. In general, Liberal Studies requirements cannot be met with courses taken to meet other program requirements.

Rehabilitation Psychology

In general, rehabilitation psychology students may not satisfy Liberal Studies requirements with courses taken to meet the Related Course Requirements in Rehabilitation Psychology. Courses applied toward the other parts of the Rehab Psych requirements cannot also count toward the 40 Liberal Studies credits. However, if a course is taken to meet any of the three Cultural/Historical Studies requirements, the course *content* can be used to meet both requirements, but the *credits* will only count in the Rehabilitation Psychology or Related Course Requirements areas. Once the required credits have been met, additional coursework in Psychology, Sociology, Social Work, etc. may be applied toward Liberal Studies.

Theatre and Drama

Theatre and drama students can apply major coursework toward the Liberal Studies requirements.

RESOURCES

RESOURCES

SCHOOL OF EDUCATION STUDENT SERVICES

139 Education Building, 1000 Bascom Mall; 608-262-1651

Dedicated to supporting and promoting student success, the School of Education Student Services (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) office coordinates a number of student-related services for prospective and current School of Education students in all programs. Student Services staff provide:

- Academic advising
- Career advising and programming
- Mentoring and advocacy for underrepresented and international students
- Requirement monitoring and help with course selection
- Referrals to other campus resources
- Someone to talk to
- And more!

The UW–Madison School of Education is committed to promoting equity and increasing diversity in its programs. In keeping with this commitment, Student Services staff include advisors with extensive experience assisting underrepresented and international students.

Students in the School of Education are encouraged to make Student Services a vital part of their academic and employment journey. More information about academic and career advising follows.

ACADEMIC ADVISING

Choosing a major and navigating the completion of a degree or certificate can be an exciting process and one that students don't need to figure out on their own. Advisors help you find the right fit and create a unique pathway through your degree.

All students are assigned an academic advisor (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) from the Student Services office who will provide advising throughout the degree. If desired, appointments can still be made with any advisor on the team. Program or departmental advisors are also assigned to School of Education students. Plan to utilize your advising team – your academic, career, and program advisors; each advisor has specialized knowledge to help you succeed.

Regular meetings with an academic advisor can help keep you on track to complete your requirements and also help refine your learning goals. Tell us what you are enjoying about your learning, something you want to try out, skills you want to build, and careers that are intriguing to you.

In conversations with your advisor, we/you can:

- Discuss your major, degree requirements, course selection, and career ideas.
- Tell us what you need. We are experts in helping you find campus resources such as tutoring, counseling, advising for pre-health careers, getting involved with student organizations, or acquiring experience in your career interest area.
- Explore studying abroad, working/volunteering and internships, or learning specific skills like a language, communication techniques, or leadership.
- Think expansively! Make the most out of your college experience.

To schedule an appointment: Current students should schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Program advisors help students select and plan a program of study in the major, negotiate issues within the department and, in the case of certification programs, follow their students' progress through their professional coursework.

The divisions between program advising and Student Services advising are flexible. Students are encouraged to consult with all advisors who can help with a situation or answer a question.

CAREER CENTER

As a School of Education student, the experiences and skills you develop through our programs will prepare you for success in a wide variety of career fields.

The Career Center (https://careercenter.education.wisc.edu/) is here to support you every step of the way!

- Meet with a Career & Internship Advisor (https://careercenter.education.wisc.edu/meet-with-us/) during your first year on campus to begin exploring your interests and opportunities. Learn what the possibilities are and start to build your roadmap for success. Current students may schedule career advising appointments through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in their MyUW accounts.
- Connect with professionals in your desired field(s) for guidance or to gain experience through paid internships (https://careercenter.education.wisc.edu/gain-experience/internships/), work-based learning experiences, or career events (https://careercenter.education.wisc.edu/attend-an-event/). Several on-campus events designed to introduce you to key employers, alumni, and professional contacts are offered each semester.
- Prepare to successfully secure an internship, job, or graduate school admittance through personalized career advising, workshops, for-credit career courses, or online tools (https://careercenter.education.wisc.edu/prepare-apply/) to build a solid resume and cover letter, apply for experiences, interview successfully, and make important career and life decisions.
- Stay connected (https://www.linkedin.com/groups/8489112/) throughout college and post-graduation as you navigate your professional career; share your experience with future School of Education Badgers!

Internships

The School of Education Career Center actively builds relationships with employers in various fields and geographic locations to offer high-quality, paid internships to our students. Internships are learning experiences designed to apply the concepts learned in your academic program in a workplace setting. These experiences help students confirm their interest in specific career fields, develop important professional skills and connections, and build their resumes as they prepare for future full-time work or graduate school. More about internships as a student in the School of Education is available here (https://careercenter.education.wisc.edu/gain-experience/internships/).

Interested in working abroad? UW's International Internship Program (https://internships.international.wisc.edu/) offers experiences in a wide variety of fields across the world including the arts, education, and health.

SCHOLARSHIPS/THE TEACHER PLEDGE/ TEACH GRANTS

Scholarships

The School of Education distributes approximately $2 million in scholarships and financial support to undergraduate students each year, made possible by the generosity of alumni and supporters who believe in our mission.

Our goal is to make the process simple. All admitted high school and undergraduate School of Education students are automatically considered for scholarships yearly. This includes transfer students, students newly declaring a School of Education major, and current students. We review your student record, such as your major and financial need, to determine scholarship eligibility.

Priority consideration goes to students who have submitted a FAFSA (https://financialaid.wisc.edu/applying/). Other selection priorities include:

- Attracting, retaining, and graduating talented students
- Supporting students with financial need

A variety of scholarships are available, including 4-year renewable awards for newly admitted high school students and a limited number of 2-year awards for undergraduate students.

For more details, please visit the:

- Admitted High School Students Scholarships (https://wisc.academicworks.com/opportunities/94335/) page.
- Undergraduate and Transfer Students Scholarships (https://wisc.academicworks.com/opportunities/94347/) page.

The Teacher Pledge

The UW–Madison School of Education Wisconsin Teacher Pledge is a financial aid program for UW–Madison teacher education students. The Teacher Pledge offers undergraduate and graduate teacher education students up to the cost of in-state tuition, plus testing and licensing fees, in exchange for completing the FAFSA annually and making a commitment to teach in Wisconsin. For each year taught in a PK-12 school in Wisconsin, a portion of the Teacher Pledge loan will be forgiven — reaching 100% forgiveness after a three-to-four-year teaching commitment.

- For general information, visit the Teacher Pledge website (https://tec.education.wisc.edu/teacher-pledge/).
- Check out How to Take the Teacher Pledge (https://tec.education.wisc.edu/teacher-pledge/how-to-take-pledge/) – a checklist that guides students through Teacher Pledge requirements from A to Z, including how to participate.
- For answers to frequently asked questions, check out the Teacher Pledge FAQ. (https://tec.education.wisc.edu/teacher-pledge/faq/)

TEACH Grants

Students willing to teach in high-need teaching fields have received TEACH Grants of up to $4,000 per year for a total of $16,000 over their undergraduate academic career, or $8,000 over their graduate academic career. The officially designated high-need fields vary by state; see the Department of Education website (https://tsa.ed.gov/#/reports) for current information. A state or local education agency (LEA) may also document high-need fields.

Students receiving TEACH Grants must complete a service obligation of four years of teaching full-time in their high-need field in a designated low-income school. This must be accomplished within eight years after completing a teacher preparation program. Low-income schools are defined as public or private nonprofit elementary or secondary schools, or educational service agencies eligible for assistance under Title I of the Elementary and Secondary Education Act. In Wisconsin, more than one thousand schools are designated as low income.

TEACH Grant applicants must attain certain academic eligibility criteria. Candidates must have scored minimally above the 75th percentile on a nationally normed admissions test or have earned a 3.25 minimum cumulative grade point average. Grant recipients must have completed a Free Application for Federal Student Aid (FAFSA) (https://studentaid.gov/) to be eligible; indicate an interest in the TEACH Grant on the FAFSA.

Prior to submitting an application, students are strongly encouraged to learn about the parameters of the TEACH Grant and obtain answers to any related questions. For more information, please visit the Federal Student Aid webpage (https://studentaid.gov/understand-aid/types/grants/teach/).

GLOBAL ENGAGEMENT OFFICE AND STUDY ABROAD

The Global Engagement Office (GEO) (https://global.education.wisc.edu/) is the School of Education's (SoE) office for SoE-specific global opportunities and curriculum, supporting students, faculty, staff, and international visiting scholars. GEO works within the SoE and with the broader campus community to facilitate experiences such as study abroad, study away (within the United States and U.S. territories), or international internship opportunities. GEO can help a student navigate these processes.

Study Abroad, Study Away, and International Internships

GEO works with the International Academic Programs (IAP) (https://studyabroad.wisc.edu/) office (301 Red Gym, 716 Langdon Street, 608-265-6329) to provide SoE students with opportunities that fit their specific needs. IAP is the central study abroad, study away, and international internship office at UW–Madison. IAP offers over 200 study abroad options in over 60 countries on six continents. Together, GEO and IAP provide information about academics, funding, and health and safety to make participating in a global opportunity possible.

Global Opportunities and Resources

SoE - IAP Signature Study Abroad or Away Programs

- The SoE has developed faculty-led short-term summer and winter break abroad and away opportunities specifically designed for SoE students to earn credits for their field of study. In 2025, the SoE offered twelve short-term summer programs around the globe. Programs vary each year. For a complete list of programs, visit the GEO website (https://global.education.wisc.edu/study-abroad/).

Help with Course Planning and Timing Advising and Earning Credit

- Many SoE academic departments have created Major Advising Pages (MAPs) (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/). MAPs are a guide to the academic requirements of specific majors in relation to study abroad or study away programs. While many programs include language training, many IAP

programs have no language requirement and include courses taught in English.

- All courses taken abroad through IAP count as "in-residence" credit, just like taking courses on campus at UW-Madison. In addition to the classroom experience, many students also complete internships and do research, fieldwork, and service learning.

When to Study or Intern Abroad or Study Away

- Studying and interning abroad or away is open throughout the undergraduate years. However, for some majors, going early is the best option. For example, in the SoE, teacher education and kinesiology have structured course sequences in the junior and senior years. Studying abroad or away during the first two years may be the best option for students in these program areas.
- SoE students, and students pursuing a certificate in the SoE, are encouraged to explore different global experiences early, even during their first or second semester on campus.
- Review the MAPs and meet with advisors in the SoE or IAP to determine the most suitable time to participate and identify the location that is right for you.

Financing a Study Abroad or Away Experience

- Learn more about funding on the IAP Scholarship webpage (https://studyabroad.wisc.edu/funding/scholarships/) and on the GEO website (https://global.education.wisc.edu/study-abroad/). Working with the IAP, International Internships, Financial Aid, and GEO early allows students to explore many scholarship options. Pre-planning around the costs of studying or interning abroad or away helps make participating a reality. Student financial aid is usually applied to study abroad experiences, and some countries permit students to work while participating in a study abroad program.

International Internships

- As a SoE student, you have several avenues for exploring International Internships. You can visit GEO (https://global.education.wisc.edu/) to help you find the right office to connect with, you can meet with the IAP International Internships (https://studyabroad.wisc.edu/intern-abroad/) team, or meet with the SoE Career Center (https://careercenter.education.wisc.edu/) staff to discuss your options.
- Students can pursue international internships during the summer months as well as during the semester, if allowed by the student's academic program. The UW Signature Internships, cultivated specifically for UW–Madison undergraduates, can be found in the International Internships database (https://my.studyabroad.wisc.edu/Account/Login/?returnUrl=%2Fiip%2F).

UNDERGRADUATE RESEARCH

UW–Madison is a research-rich environment and students are encouraged to participate in the research activities of our world-class faculty and staff. Here are some pathways students use to get involved with research:

Apply to a Structured Program

- Some students get involved in research through a specific program (https://research.wisc.edu/information-for-undergraduate-students/) designed to connect undergraduate students to research. This program may be a scholarship program, or simply provide funding to work on a guided research project. It may provide mentoring related to research methodology and/or require students to enroll in a course for credit. An example of such a program is the Undergraduate Research Scholars (https://urs.ls.wisc.edu/), one of the more popular options available to School of Education students.

Seek out Research Opportunities

- Many students take the initiative and seek out research opportunities on their own. The School of Education Career Center (http://careercenter.education.wisc.edu/) can provide help with writing an inquiry email. Here are a few ways to conduct this search:
- Find information about undergraduate research and fellowship opportunities on the UW Research (https://research.wisc.edu/information-for-undergraduate-students/) website.
- The Office of Experiential Learning (https://experientiallearning.wisc.edu/) helps DDEEA scholars to start exploring research opportunities that best align with their interests.
- Find helpful information about undergraduate research experiences in science on the BioCommons (https://biology.wisc.edu/undergraduate-research/) and the WISCIENCE (https://wiscience.wisc.edu/resources/guide-to-undergraduate-research/) websites.
- Find a listing of labs on the Wisconsin Center for Education Research (https://www.wcer.wisc.edu/research/) and departmental websites. The lab descriptions often contain contact information for students interested in getting involved in the lab's activities. The Kinesiology department (https://kinesiology.education.wisc.edu/research/) and the Communication Sciences and Disorders department (https://csd.wisc.edu/research/) are two good examples of how this information is shared. Many School of Education students participate in research through the Department of Educational Psychology.
- The Student Jobs (https://studentjobs.wisc.edu/) website lists some research opportunities.
- Read the online bios of professors to learn about their areas of research. Send an email inquiry. The Center for Pre-Health Advising (https://prehealth.wisc.edu/research-opportunities/) has a helpful email template you may use.
- Ask the professor or TA in a class if they know of any opportunities to become involved with research.

Participate When Enrolled in a Course

- Some courses have research opportunities built into the course itself. For example:
- BIOLOGY/BOTANY/ZOOLOGY 152 has provided students with an option to participate in a mentored research opportunity.
- Students can serve as research participants to earn extra credit in their courses. Students enrolled in Educational Psychology courses, for example, are often provided with such an opportunity.

- Some professors will announce research opportunities through email to their students.

THE CENTER FOR COMMUNITY AND WELL-BEING

The Center for Community and Well-Being in the School of Education provides leadership and support to faculty, staff, and students in developing and implementing strategic initiatives that promote a sense of community and well-being. See the School of Education website (https://education.wisc.edu/about/community-well-being/) for more information regarding the Center's activities and programs.

COUNSELING PSYCHOLOGY TRAINING CLINIC

The Counseling Psychology Training Clinic (CPTC) (https://counselingpsych.education.wisc.edu/clinic-and-outreach/cptc/) is an award-winning training clinic run by the School of Education's Department of Counseling Psychology. The clinic provides high-quality, cost-efficient, and multiculturally competent psychological and mental health services to UW–Madison students and members of the community. Clinicians assist individuals with a variety of concerns including:

- Depression
- Anxiety
- Relationship issues
- Family concerns
- Trauma
- Eating disorders
- Sexual orientation/identity
- Sexuality
- Culture/ethnicity
- Poor concentration
- Grief
- Gender issues
- Anger
- Counseling for gifted and talented students

Fees for counseling services are on a sliding scale determined by income.

MARY T. KELLNER TEACHER EDUCATION CENTER

L139 Education Building, 608-262-2997

The Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/) supports all prospective, current, and former teacher education students across the UW–Madison campus. The Center highlights the benefits, crucial importance, and real joys of choosing teaching as a career. Our student supports are designed to promote success and cultivate leadership. Specifically, we coordinate the Wisconsin Teacher Pledge student financial support program, assist students to achieve and document mastery of teacher education standards, and facilitate all required field experiences. The Mary T. Kellner Teacher Education Center also oversees the statutory requirements for our teacher education programs, including Act 31, which ensures that all preservice teachers learn about the history, culture, and tribal sovereignty of Wisconsin's American Indian communities. The Mary T. Kellner Teacher Education Center is the main point of contact for school district partners, cooperating teachers, and the Wisconsin Department of Public Instruction. At the TEC, we cultivate a community of inquiry and leverage our shared resources to help prepare the excellent educators our Wisconsin PK-12 schools, families, and students deserve.

MERIT (MEDIA, EDUCATION RESOURCES, AND INFORMATION TECHNOLOGY)

301 Teacher Education Building, 608-263-4750

MERIT (https://merit.education.wisc.edu/) offers information and technology services to the School of Education and UW–Madison community partners. MERIT is designed as a collaborative and comprehensive cluster of service and support for the School of Education, UW–Madison, and beyond. Staff play an active role in the design and implementation of programs that connect the K-12 community to UW–Madison.

Some of our services include evaluation and selection of tools for delivery of content, instructional design and consulting for development of online learning, library services, and collections to support practicing teachers (including equipment loans), poster printing, lamination, workshops, and instructional support aimed at adoption of new tools, instructional technologies, and information literacy.

COOPERATIVE CHILDREN'S BOOK CENTER (CCBC)

401 Teacher Education, 608-263-3720

The CCBC (https://ccbc.education.wisc.edu/) is a library of the School of Education that provides education students, faculty, and staff with a noncirculating collection of children's and adolescent literature. The CCBC also serves other adults on campus and across the state who are interested in literature for the young, including Wisconsin teachers and school and public librarians.

This nationally unique library is the primary resource on campus and elsewhere for contemporary books published for children and young adults from preschool through high school ages. CCBC resources include extensive reference materials about literature for the young and a wide range of books for children and adolescents, including a book examination collection of new and recently published books, a comprehensive collection of recommended contemporary books, and historical literature from the 20th century. The CCBC is nationally known for its services related to intellectual freedom and advocacy for diversity in children's and young adult literature. Each year the CCBC compiles and releases statistics documenting the number of children's and young adult books published by and/or about Black, Indigenous, and People of Color (BIPOC), and additional aspects of identity including disability, LGBTQ+, and religion.

As a library of the School of Education, the CCBC is committed to being a vital part of the teacher education experience on campus. The CCBC's noncirculating collection provides immediate access to a wide range of literature for the young. CCBC librarians are available to meet with education students to help them identify children's and adolescent literature to fulfill class assignments, as well as to use in practicum and student teaching classrooms. Librarians are also available to meet with faculty and teaching assistants to discuss children's and young adult literature as it relates to the courses they are teaching.

The CCBC website (https://ccbc.education.wisc.edu/) provides full-text access to many national children's and young adult literature awards and recommended lists as well as specialized bibliographies from CCBC staff. The CCBC offers special events throughout the academic year that

provide opportunities to hear from authors and illustrators, as well as to interact with others who are interested in books for children and teens.

HONORS

HONORS

DEAN'S LIST

Students have at least a 2.5 cumulative GPA and 3.5 or higher for the semester. Students must have received no incompletes in graded courses, no unreported grades, or end-of-semester academic actions for the semester. Credit/no credit and pass/fail courses are not considered in meeting the requirements for the Dean's List.

GRADUATING WITH HONORS AND GRADUATING WITH DISTINCTION

Undergraduate students are invited to wear an honors stole at graduation, representing **Graduating with Honors**, if they have indicated they expect to graduate at the conclusion of the current semester, have a cumulative GPA that places them in the top 20% of students expecting to graduate in their school/college, and have earned at least 60 credits in residence at UW–Madison. Credits in progress in the current semester count toward the 60 credit requirement.

Graduating With Distinction is a separate calculation and is posted to the undergraduate student's transcript after all grades and degrees have been recorded. Students qualify for the Distinction notation if they have received their degree, have a cumulative GPA that places them in the top 20% of degree recipients in their school/college, and have earned at least 60 credits in residence at UW–Madison.

HONORS COLLABORATION WITH THE COLLEGE OF LETTERS & SCIENCE

The School of Education does not currently offer a school-level Honors program. However, through a collaboration between the School of Education and the College of Letters & Science (L&S), students in the School of Education may participate in the L&S Honors Program and have these achievements posted on their transcript.

Three L&S Honors options may be completed by School of Education students.

L&S Honors in the Liberal Arts (HLA)

Students pursuing Honors in the Liberal Arts complete Honors courses in broadly distributed subjects from the humanities, social sciences, and natural sciences. Through Honors coursework, students select enriching academic opportunities and build connections with faculty throughout the completion of their degree.

Courses taken for Honors can also be applied toward other degree requirements. For example, of the 24 required Honors credits:

- At least 6 of the credits must be in courses designated as Humanities (including Literature)
- At least 6 of the credits must be in courses designated as Social Science
- At least 6 of the credits must be in courses designated as Biological, Physical, or Natural Science

These requirements completely overlap with the School of Education liberal studies requirements.

Honors in the Major (HM)

Students completing an *additional* major housed in the College of Letters and Science may choose to complete the Honors requirements of this major. Honors in the Major requirements vary by program, but typically include a cumulative GPA of at least 3.3, a minimum major GPA, Honors coursework in the major, and successful completion of a two-semester senior Honors thesis or other capstone experience.

If Honors courses overlap with School of Education requirements, they can count in both areas.

Comprehensive Honors (both HLA and HM)

Comprehensive Honors, the highest level of Honors achievement, is awarded to students who are admitted to and complete the requirements for both Honors in the Liberal Arts and Honors in the Major.

Full details of requirements, application procedures and policies are available in the Guide (p. 376) and the program's website (http://www.honors.ls.wisc.edu). Students with questions about how L&S Honors connects with School of Education programs and requirements should consult both L&S Honors and School of Education advisors to plan a course of study.

EDUCATOR LICENSING

EDUCATOR LICENSING

TEACHER LICENSING PROGRAMS

- Art Education - Grades K-12
- Communication Sciences and Disorders (Speech-Language Pathology) - Grades K-12*
- Elementary Education - Kindergarten – 9th Grade, with optional minors in Early Childhood Education - Birth through Grade 3, and K-12 English as a Second Language
- Elementary Education (Kindergarten – 9th Grade) and Special Education (Kindergarten – 12th Grade) Dual Certification
- Health - Grades K-12
- Music Education - Grades K-12
- Physical Education - Grades K-12
- School Library Media Specialist - Grades K-12*
- Secondary Education
  - English Grades 4-12/English as a Second Language Grades K-12*
  - Mathematics Grades 4-12/English as a Second Language Grades K-12*
  - Science Grades 4-12/English as a Second Language Grades K-12*
  - Social Studies Grades 4-12/English as a Second Language Grades K-12*
- Special Education
  - Early Childhood Special Education - Birth through Grade 3
  - Special Education Cross Categorical Grades K-12
  - Early Childhood Special Education/Special Education Cross Categorical K-12 Dual Certification (Birth-Grade 12)
  - Elementary Education (Kindergarten – 9th Grade) and Special Education (Kindergarten – 12th Grade) Dual Certification

- World Language Education - Grades K-12*
  - License will be awarded in a specific language

SUPPLEMENTARY TEACHING LICENSING PROGRAMS

- Adaptive Physical Education
- Bilingual/Bicultural Education*
- English as a Second Language (available with concurrent completion of relevant Elementary or Secondary certification program; add-on option for previously certified teachers is closed to new admissions.)
- Reading Teacher*

ADMINISTRATOR LICENSING PROGRAMS

- Superintendent*
- Principal*
- Director of Instruction*
- Director of Special Education and Pupil Services*
- Reading Specialist*

PUPIL SERVICES LICENSING PROGRAMS

- School Nurse*
- School Psychologist*
- School Social Worker*

* Graduate program

ART

UNDERGRADUATE DEGREES

- BS–Art (https://guide.wisc.edu/undergraduate/education/art/art-bs/#requirementstext) and BS-Art with Graphic Design option (https://guide.wisc.edu/undergraduate/education/art/art-bs/art-graphic-design-bs/)
- BS–Art Education (https://guide.wisc.edu/undergraduate/education/art/art-education-bs/)
- Bachelor of Fine Arts (BFA) (https://guide.wisc.edu/undergraduate/education/art/art-bfa/) and Bachelor of Fine Arts (BFA) with Graphic Design option (https://guide.wisc.edu/undergraduate/education/art/art-bfa/art-graphic-design-bfa/)

UNDERGRADUATE CERTIFICATES

- Certificate in Art Studio (https://guide.wisc.edu/undergraduate/education/art/art-studio-certificate/)
- Certificate in Graphic Design (https://guide.wisc.edu/undergraduate/education/art/graphic-design-certificate/)

ABOUT

The Department of Art conducts an exemplary experimental undergraduate program emphasizing the importance of a broad background in the study and practice of visual art and design, liberal arts, and knowledge of art and design movements throughout history.

The nationally and internationally recognized faculty of visual artists and designers provides a stimulating educational environment to prepare students for careers in a broad array of creative fields and/or graduate study. The program also supports and encourages the development of a visually and culturally literate community.

The art department offers two professional programs, Art and Art Education. Art majors may pursue either the Bachelor of Science degree (p. 1543) or the Bachelor of Fine Arts degree (p. 1529). Art majors wanting to complete a strong emphasis in graphic design may pursue either the Bachelor of Science: Graphic Design (https://guide.wisc.edu/undergraduate/education/art/art-bs/art-graphic-design-bs/) or Bachelor of Fine Arts: Graphic Design (https://guide.wisc.edu/undergraduate/education/art/art-bfa/art-graphic-design-bfa/) options. Art Education majors (p. 1519) receive the Bachelor of Science–Art Education degree and eligibility to apply for licensure to teach in both elementary and secondary schools. Entrance requirements vary for each program.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Art Education, BS (p. 1519)
- Art Studio, Certificate (p. 1527)
- Art, BFA (p. 1529)
- Art, BS (p. 1543)
- Graphic Design, Certificate (p. 1553)

ART EDUCATION, BS

Art education is a perfect choice for students who thrive in creative, collaborative environments. People who choose this meaningful career path love viewing, discussing, and making works of art, and are also passionate about engaging others in these artistic processes.

UW–Madison's art education program provides essential preparation for a variety of careers in art education. Students work directly with children and adolescents in both school and community-based field placements in three of four semesters of the program. They study with outstanding art and education faculty in a range of rigorous and engaging studio, art history, and education courses, while also connecting with Madison's vibrant arts community through field trips and service learning.

Graduates of our program earn a bachelor of science degree, a career-ready Wisconsin teaching license in K–12 art education, and gain the skills, knowledge, and confidence to teach the visual arts in a variety of school and community-based settings. The job market for art educators is incredibly healthy across the nation, and virtually all of our graduates land jobs that match their interests and expertise.

Consult the departmental website (https://art.wisc.edu/undergraduate/undergraduate-degrees/) for additional information about art education. Students intending to teach in Wisconsin may be eligible for the Teacher Pledge (https://tec.education.wisc.edu/teacher-pledge/), an opt-in loan forgiveness program for teacher education students.

Watch what students have to say about being an Art Education major (https://www.youtube.com/watch/?v=wHtc6qSNPho).

HOW TO GET IN

HOW TO GET IN

ART EDUCATION DECLARATION OVERVIEW

Students typically enter UW–Madison as Pre-Art Education students (PAED), spend the first two years completing liberal studies, general education, and foundational studio requirements, and declare Art Education during their sophomore year for their final two years on campus.

On-campus students starting at UW-Madison in other majors can move to Pre-Art Education by completing a Pre-Professional Declaration (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A GPA of 2.75, based on all UW–Madison coursework or the last 60 credits (p. 1494), is required to transfer into Pre-Art Education. It is not necessary to be a Pre-Art Education student before declaring an Art Education major.

ELIGIBILITY TO DECLARE ART EDUCATION

Art Education currently accepts declarations at any point during the year. The on-campus declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page, along with information about the current eligibility requirements. Students should consult this site prior to submitting a declaration as this information may be modified from one declaration period to the next.

Off-campus students wishing to transfer directly into Art Education should complete the on-campus declaration and must also be admitted to UW-Madison. See Transfer Students and Students with a Bachelor's Degree, below.

Eligibility Requirements:

- Meet with the Art Education advisor Dr. Mary Hoefferle (email her directly to set up an appointment at hoefferle@wisc.edu) or a School of Education Student Services advisor. Email studentservices@education.wisc.edu or call 608-262-1651 to schedule an appointment in Student Services. On-campus students can schedule using Starfish (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).
- Earn 40 or more total credits by the end of the semester prior to declaration.
- Complete at least 6 aesthetics credits (such as ART 108 Foundations of Contemporary Art, ART 208 Current Directions in Art and/or art history courses) and 20 studio credits by the end of the declaration semester.
- Earn a minimum 2.75 cumulative GPA based on all college coursework attempted or a 2.75 last 60 credits GPA by the end of the term prior to the declaration semester. This GPA must be maintained at the end of the declaration semester. [1]

[1] Last 60 Credits Rule - Two grade point averages may be calculated to determine a candidate's eligibility to declare. A GPA may be calculated using (1) UW-Madison and all other all transferable college level coursework attempted and (2) the last 60 credits attempted. The higher GPA of these two calculations will be used for determining eligibility. Once declared, students must earn a semester GPA of 2.75 each semester after declaration. More information on this rule is available here (p. 1494).

Students will be provisionally admitted pending the completion of all eligibility requirements by the end of the declaration semester.

TRANSFER STUDENTS AND STUDENTS WITH A PREVIOUS DEGREE

Transfer students and students who already hold a Bachelor's degree must be admitted to UW-Madison to enroll in a School of Education program. Admission to the campus has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for campus application information.

Students wishing to enter directly into Art Education should complete both the on-campus declaration and the UW-Madison application. All eligibility requirements must be met. Transfers who do not meet the declaration eligibility criteria will be admitted to UW-Madison with the Pre-Art Education designation.

An applicant with a previous undergraduate degree will be admitted to Art Education as a second degree candidate. Second degree candidates in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first. A large number of credits are usually required to complete the new degree requirements and a second degree is awarded upon its completion; more information is available here (p. 1494).

All off-campus students are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations are available in person, virtually, or via telephone; email soeacademicservices@education.wisc.edu or call 608-262-1651 to schedule an appointment.

BACKGROUND CHECKS

Pursuant to State of Wisconsin law PI 34.018(2), the School of Education is required to administer a background check on all students entering teacher education programs. This check is intended to determine if the applicant has engaged in any behavior that endangers the health, welfare, safety, or education of PK-12 pupils. Local school districts frequently conduct background checks on teacher education students prior to the start of their in-classroom field work, and the Department of Public Instruction (DPI) will also conduct a background check on each applicant for a Wisconsin educator license.

Students should be aware that background checks may be initiated by other agencies or organizations when they are seeking employment or a professional license. School administrators have the authority to determine the appropriateness of a student placement and may choose not to permit a placement based on a student's background check results.

An individual who has been deemed ineligible to participate in field or clinical experiences based on the results of their background check may not be able to complete the requirements for their degree or certification. Students with questions about these processes should contact the Teacher Education Center, tec@education.wisc.edu.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core

of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The art education program is divided into five areas of study:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- The *Foundations Program* requires six interrelated studio and aesthetics courses designed to prepare first-year students for further study in studio art and design.
- *Aesthetics* coursework gives students an opportunity to study both the history of art and contemporary developments in the visual arts.
- *Major* requirements offer an in-depth study of studio art.
- *Professional education* coursework includes an examination of the schools' relationship to our society and the processes by which students grow and learn. The *professional sequence* is a three-semester sequence of art education teaching methods coursework and field experiences in schools.

ART FOUNDATIONS PROGRAM

The Art Foundations Program is a series of interrelated studio and lecture courses to be taken by art and art education majors in their first year as preparation for further study in studio art and design. The program addresses the fundamentals of art through investigation of formal, technical and conceptual issues. The drawing, 2D and 3D design, digital media, and art historical lecture classes are designed to expose, broaden, and challenge students' understanding of contemporary art production.

Art foundations classes are meant to be taken concurrently and the information covered in them is interrelated. Students completing the foundations program should enroll in ART 102 2D Foundations, ART 212 Drawing Foundations, and ART 108 Foundations of Contemporary Art for the fall semester and complete ART 104 3D Foundations, ART 107 Introduction to Digital Forms, and ART 208 Current Directions in Art in the spring.

Most freshman art majors complete their foundations courses through participation in the very popular Contemporary Art and Artists First-Year Interest Group (FIG), (https://figs.wisc.edu/) which also creates a network of corresponding experiences and a peer community that will continue throughout the program and often beyond graduation. Students in FIGs enjoy studying with instructors dedicated to serving first year students, the opportunity to integrate related ideas from all three classes, and the ready-made opportunities to form support networks and lasting friendships.

Additional information about the Foundations Program (https://art.wisc.edu/media-disciplines/foundations/) is available on the departmental website.

AESTHETICS REQUIREMENT

Complete four courses focusing on the history of art and contemporary developments in the visual arts.

Code	Title	Credits
ART 108	Foundations of Contemporary Art	3
ART 208	Current Directions in Art	3
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	4
Select one of the following: [1]		3-4
ART HIST 103	Topics in Art History (world art topics)	
ART HIST 104	The Art of Diversity: Race and Representation in the Art and Visual Culture of the United States	
ART HIST 205	Global Arts	
ART HIST/ AFROAMER 241	Introduction to African Art and Architecture	
ART HIST/ AFROAMER 242	Introduction to Afro-American Art	
ART HIST 305	History of Islamic Art and Architecture	
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	
ART HIST 411	Topics in Asian Art	
ART HIST 412	Topics in African and African Diaspora Art History	
ART HIST/ ASIAN 428	Visual Cultures of India	
ART HIST 440	Art and Power in the Arab World	
ART HIST 475	Japanese Ceramics and Allied Arts	

[1] Additional art history courses addressing arts from underrepresented cultures will be considered. A course may also count for the global perspectives or ethnic studies requirement if it has that designation.

MAJOR REQUIREMENTS

Students must complete 45 credits of studio art, including the specific requirements below. At least 15 upper-level studio credits must be taken in residence on the UW–Madison campus. Upper-level classes include Art courses numbered 214 and above, excluding ART 236 and ART 338.

Code	Title	Credits
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 212	Drawing Foundations	3
ART 222	Introduction to Painting	3-4
ART 306	Relief Printmaking	3-4
or ART 336	Serigraphy	
ART 214	Sculpture I	3-4
or ART 244	Art Metal I	
ART 224	Ceramics I	4
Digital Media Elective - select one of the following:		
ART 176	Digital Photography for Non-Art Majors	
ART 309	Digital Art and Code	
ART 346	Basic Graphic Design	
ART 348	Introduction to Digital Printmaking	
ART 409	Digital Fabrication Studio	
ART 428	Digital Imaging Studio	
ART 448	Special Topics (digital media topics only)	
Take additional art electives to reach the minimum of 45 credits		

PROFESSIONAL EDUCATION REQUIREMENTS

Code	Title	Credits
Foundations of the Profession		**3**
ED POL/ HISTORY 412	History of American Education [1]	3
or ED POL 300	School and Society	
RP & SE 605	Development, Learning and Education Foundations in Special Education	3
Literacy, Including Reading		**3**
CURRIC 305	Integrating the Teaching of Reading with Other Language Arts	3
Special Education		**3**
CURRIC/ RP & SE 506	Strategies for Inclusive Schooling	

[1] Will also fulfill the liberal studies requirement in U.S./European history.

ART EDUCATION REQUIREMENTS

Code	Title	Credits
ART ED 321	Introduction to Teaching Art	2
ART ED 323	Foundations in Art Education	3

ART ED 324	Methods in Art Education	3
ART ED 327	Practicum in Art Education	6
ART ED 425	Seminar in Art Education	2
ART ED 423	Student Teaching in Elementary Art [1]	5
ART ED 424	Student Teaching in Secondary Art [1]	5

[1] Must have a minimum 2.75 GPA in Professional Education and Art Education courses to student teach.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements are based on UW–Madison coursework.

- 2.75 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average in all major course work.
- 2.75 cumulative grade point average in all upper-level major course work. Art courses numbered 214 and above, excluding ART 236 and ART 338, are considered upper-level courses.
- 2.75 in professional education course work (excluding practicum and student teaching).
- Major Residency. Students must complete a minimum of 15 upper-level studio credits in residence on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- A minimum of 120 total credits.

DEGREE AUDIT (DARS)

UW–Madison uses “DARS” to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar’s website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

ADDITIONAL CERTIFICATION REQUIREMENTS AND APPLYING FOR A LICENSE

In addition to completing UW–Madison's program requirements, students must also complete Wisconsin statutory requirements and certification requirements established by the Wisconsin Department of Public Instruction. Many of these requirements are embedded within the program's requirements and require no additional attention. The endorsement of the program coordinator/faculty is also required to receive certification through UW–Madison.

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license.

Detailed information about certification requirements and applying for a license is available under Certification/Licensure (p. 1526).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and explore important eras, developments, movements, and theories in historical and contemporary art practice.
2. Identify and analyze the elements and principles of design in the work of other artists and consistently and effectively employ the elements and principles in their own studio work.
3. Develop technical skill, a personal creative practice, and knowledge of the historical and current practices of at least four separate visual art disciplines, including 2D, 3D, 4D, and graphics areas.
4. Examine best practices (historical and contemporary) in art curriculum planning, instruction and assessment, apply knowledge to k-12

curriculum development, and effectively teach art to diverse populations in community and school-based settings.

5. Meet all School of Education Teacher Education Standards and DPI k-12 art licensure requirements (including child development and learning theories, history of American Education, and the role of art in literacy education).

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Bachelor of Science: Art Education - Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor(s) to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A or Quantitative Reasoning A	3	Communication A or Quantitative Reasoning A	3
ART 108	3	ART 208	3
ART 102	3	ART 104	3
ART 212	3	ART 107	3
Global Perspectives or Ethnic Studies also meeting Social Studies	3	POLI SCI 104	4
	15		**16**

Sophomore

Fall	Credits	Spring	Credits
Aesthetic Elective also meeting Ethnic Studies or Global Perspectives (whatever requirement is still unmet)	3-4	ART HIST 202	4
ART 214 or 244	4	ART 306 or 336	4
ART 222	4	ART ED 321 (spring only)	2
Liberal Studies Literature course	3	Digital Media Elective	4
		Liberal Studies Science course (One Science course must be Biological, and one Physical)	3
	14		**17**

Junior

Fall	Credits	Spring	Credits
ART 224	4	Studio Elective	4
Liberal Studies Science also meeting Quantitative Reasoning B	3	Studio Elective	4
RP & SE 605	3	ED POL/HISTORY 412 (also meets U.S./ European History)	3
CURRIC 305 (also meets Communication B)	3	Liberal Studies Science with lab	3
Studio Electives to reach the minimum of 45 credits	4		
	17		**14**

Senior

Fall	Credits	Spring	Credits
ART ED 323 (fall only)	3	ART ED 423 (spring only)	5
ART ED 324 (fall only)	3	ART ED 424 (spring only)	5
ART ED 327 (fall only)	6	ART ED 425 (spring only)	2
CURRIC/RP & SE 506	3		
	15		**12**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ART EDUCATION ADVISING

Prospective off-campus and on-campus art education students will meet with the art education program coordinator Dr. Mary Hoefferle, hoefferle@wisc.edu. Students considering art education should contact Dr. Hoefferle as soon as possible. Pre-declaration advising is conducted by the Department of Art and advisors in the School of Education Student Services office, see below.

Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made by calling 608-262-1660.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments

can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

ART EDUCATION AND THE WISCONSIN EXPERIENCE

Teaching Art

As part of required courses, art education students teach art to children and teens in school and community-based settings in three of the four semesters of the program. Some of our most recent partners include:

- Monroe Street Arts Center (https://www.monroestreetarts.org/)
- Madison School & Community Recreation (https://www.mscr.org/programs/after-school-camps/elementary-school/elementary-after-school-programs/) (MSCR) after school art clubs
- The Wisconsin Art Education Association's Youth Art Month and Visual Arts Classic
- K-12 fieldwork experiences in private schools like Edgewood, Eagle, and Madison Country Day; public schools in rural, suburban, and urban districts; plus public charter and alternative schools like Shabazz High School and Nuestro Mundo Elementary.

Learning from Current Practitioners

In all field placements, art education majors receive support, guidance and advice from veteran art teachers and university supervisors. Many art teachers with specific expertise also join us on campus to lead special-topic workshops such as Integrating Art and Literacy, Adaptive Art, Elementary Classroom Management, and mental health concerns in the high school art classroom.

Paid Work Experience

Art education majors also find valuable, paid work experience in the community as teaching assistants or lead art instructors in organizations like the Wheelhouse Studios (https://union.wisc.edu/events-and-activities/open-art-studio-and-classes/), the Chazen Museum of Art (https://chazen.wisc.edu/), Madison School and Community Recreation (https://www.mscr.org/), Prairie Music & Arts, (https://prairiemusic.org/) and provide one-to-one art tutoring.

Student Organizations

Art education majors join a wide variety of student organizations on campus. Art-related organizations (https://art.wisc.edu/art-at-uw/student-orgs/) include the Mad Gaffers (glass blowing), Fresh Hot Press (printmakers), and the Chazen Art Museum Ambassadors. Aspiring Educators of Wisconsin (https://www.facebook.com/AspiringEducatorsUWMadison/) is an active organization for pre-service teachers in all areas of education.

Exhibiting Artwork

Art education majors also have ample opportunity to submit their artwork for consideration for groups and solo art exhibitions, scholarships and competitions.

Study Abroad

Many art education students study abroad for a semester or a summer as part of their academic plan, taking studio and art history classes in Italy, Cuba, or Portugal.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ADDITIONAL CERTIFICATION REQUIREMENTS

Students interested in certification must, in addition to completing UW–Madison's program requirements, also complete Wisconsin statutory requirements related to teacher education and certification requirements established by the Wisconsin Department of Public Instruction. Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. For additional certification requirements and information about applying for a license, see the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/current-students/).

APPLYING FOR A TEACHING LICENSE

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Students intending to complete a teacher certification program should monitor program requirements carefully. The Wisconsin Department of Public Instruction (DPI) periodically implements regulations that affect all certification programs; teacher certification candidates are responsible for having up-to-date information about certification requirements.

Licensing Levels

The following undergraduate teacher licensing options are offered at UW–Madison.

- The core Elementary Education licensing level will be Kindergarten through Grade 9. Early Childhood, and English as a Second Language Kindergarten through Grade 12, can be added to the K-9 option.
- Special Education will offer licensing at the Early Childhood level, Kindergarten through Grade 12 level, and a program option that licenses in both Early Childhood Special Education and K-12 Special Education.
- The new Elementary Education and Special Education degree certifies students in both Special Education Kindergarten through Grade 12 and Elementary Education Kindergarten through Grade 9.
- Students in special fields such as Art, Music, and Physical Education will be licensed at the Kindergarten through Grade 12 level.
- Health licenses at the Kindergarten through Grade 12 level.

Wisconsin State Licensing

The State of Wisconsin issues an initial teaching license to certified teachers. The current fee is $125. An online license application is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/elo/). A background check will also be conducted by DPI. Information about fingerprint submission, when necessary, is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/licensing/fingerprint/electronic-submission/).

Before applying for a license, DPI requires the electronic submission of "Endorsed Candidate for Licensure" (ECL) data by the certifying officer of the institution where the teacher preparation was completed. For UW–Madison teacher certification students the endorsement will come from the School of Education, L139 Education Building, 1000 Bascom Mall.

Once this information has been submitted to DPI, students are notified by email that they may begin the application online.

Before endorsing a student, UW–Madison requires that

- all certification requirements are met;
- student teaching (following the school district calendar) is completed;
- final grades are posted and reviewed;
- the degree is posted (https://registrar.wisc.edu/posting-of-degrees/) by the Registrar's Office (which can take up to four to six weeks after the degree conferral date); and
- a recommendation for certification is received from the program faculty.

The Wisconsin Department of Public Instruction may require an additional six to eight weeks for license processing.

Licensing Outside of Wisconsin

To apply for a license in a state other than Wisconsin, first check out the application requirements of that state. The University of Kentucky has a website (https://education.uky.edu/accreditation/certification/states/) that provides links to teacher licensing agencies in all 50 states, the District of Columbia, and Puerto Rico.

Many states have a verification form that needs to be signed by a UW–Madison certification officer. This form verifies that a state-approved licensing program has been completed. These forms should be sent to the School of Education's Mary T. Kellner Teacher Education Center at L139 Education Building, 1000 Bascom Mall, Madison, WI 53706, or by email (educatorlicensing@education.wisc.edu) to be completed. You must complete your personal information on the form before sending it to the Teacher Education Center. If the form requests information about practicum and student teaching assignments (names of schools, grade levels, dates, etc.), this information must also be completed before sending the form to the Teacher Education Center.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Colorado, Illinois, Minnesota, Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ART STUDIO, CERTIFICATE

The Certificate in Art Studio allows students from across campus, regardless of their major or degree program, to engage in a structured, meaningful art studio experience. Students should work closely with their major advisor to see how the certificate requirements can fit into their degree plan. Note: Most art courses do not carry the LAS (L&S) designation.

This certificate was designed for students who may not have professional ambitions in the arts, but still have an interest in a special discipline and want to develop their talents; previous coursework in art is not required.

The program provides a course of study in four focus areas: 2D, 3D, 4D, or Photography. Students select one of these options and complete the courses required of this area of study.

For each option, certificate students complete one course focusing on the historical context of art, one or two courses that provide a foundation for their chosen area, and two or three related electives that allow for the exploration and development of their skills specific to the area of focus. Students interested in graphic design and typography should consider the Graphic Design Certificate (https://guide.wisc.edu/undergraduate/education/art/graphic-design-certificate/), also offered through the Department of Art.

The Art Studio certificate may also appeal to individuals who have already completed a bachelor's degree in art, but now want to complete an emphasis in a different discipline; see the Nondegree/Visiting Student Guide (https://guide.wisc.edu/nondegree/). In these instances, the student will work closely with an advisor in the Department of Art to substitute higher-level courses for the foundational studio courses.

HOW TO GET IN

HOW TO GET IN

DECLARATION PROCESS

Students intending to complete the Art Studio certificate can find the declaration form on the School of Education's Certificate Programs page (https://education.wisc.edu/academics/certificates/). The declaration for this certificate program can be submitted at any time during the academic year.

ELIGIBILITY

Undergraduate students in good academic standing with a cumulative GPA of 2.50 or higher, who are not participating in the Art–BS, Art Education, or Art–BFA degree programs, may declare this certificate. University Special students who have already completed a bachelor's degree are also eligible to complete this certificate.

REQUIREMENTS

REQUIREMENTS

The certificate requires a minimum total of 17–18 credits, depending on the selected area. It is possible to complete the certificate in three semesters, making it a viable option for most students, including transfers.

Select a course of study in one of four focus areas: 2D, 3D, 4D (time-based), or Photography, and complete the required courses. For each option, certificate students complete one course focusing on the historical context of art, one or two courses that provide a foundation for their chosen area, and two or three related electives that allow for the exploration and development of their skills.

HISTORICAL CONTEXT OF ART/DESIGN

Students in all certificate focus areas must complete **one** of the following:

Code	Title	Credits
ART 100	Introduction to Art	3
ART 108	Foundations of Contemporary Art	3
ART 208	Current Directions in Art	3
ART HIST 206	Survey of Photography: 1839 to 1989	3-4

FOCUS AREAS

Focus One: Painting, Drawing, Printmaking

Ideal for the novice artist, as well as for students who want to develop previous skill in the creation of two-dimensional art. Students interested in pursuing this focus area can find more information about painting (https://art.wisc.edu/media-disciplines/drawing-painting/), drawing, (https://art.wisc.edu/media-disciplines/drawing-painting/) and printmaking (http://art.wisc.edu/art/academics/media/printmaking/) on the art department's website.

Code	Title	Credits
Foundations		
Complete one of the following:		
ART 102	2D Foundations	3
ART 112	Drawing for Non-Art Majors	3
Development		
Complete a minimum of three courses from the list.		
ART 212	Drawing Foundations	3
ART 222	Introduction to Painting	4
ART 232	Life Drawing I	4
ART 242	Watercolor I	4
ART 302	Color	4
ART 306	Relief Printmaking	4

ART 307	Making Comics 1	4
ART 312	Intermediate Drawing I	4
ART 316	Lithography	4
ART 322	Intermediate Painting I	4
ART 326	Etching	4
ART 332	Life Drawing II	4
ART 336	Serigraphy	4
ART 342	Watercolor II	4
ART 348	Introduction to Digital Printmaking	4
ART 446	Artists' Books	4
ART 452	Intermediate Painting: New Figuration I	4
ART 506	Advanced Relief Printmaking	4
ART 507	Making Comics 2	4
ART 512	Advanced Drawing I	4
ART 516	Advanced Lithography	3
ART 522	Advanced Painting I	4
ART 526	Advanced Etching/Intaglio	4
ART 532	Advanced Life Drawing I	4
ART 536	Advanced Serigraphy	4
ART 542	Advanced Watercolor I	4
ART 552	Advanced Painting: New Figuration II	4
ART 612	Advanced Drawing II	4
ART 622	Advanced Undergraduate Painting Workshop	3
ART 632	Advanced Life Drawing II	4
ART 636	Computer Augmented Printmaking	4
ART 642	Advanced Watercolor II	4

Focus Two: 3D Forms

Ideal for the novice artist, as well as for students who want to develop previous skill in the creation of three-dimensional art. Students interested in pursuing this focus area can find more information about ceramics (https://art.wisc.edu/media-disciplines/3d/), glass and neon (https://art.wisc.edu/media-disciplines/3d/), metals/metalsmithing (https://art.wisc.edu/media-disciplines/3d/), sculpture/installations (https://art.wisc.edu/media-disciplines/3d/), and wood (https://art.wisc.edu/media-disciplines/3d/) on the art department's website.

Code	Title	Credits
Foundations		
Complete the following:		
ART 104	3D Foundations	3
ART 214	Sculpture I	4
Development		
Complete a minimum of two courses from the list.		
ART 224	Ceramics I	4
ART 244	Art Metal I	4
ART 314	Sculpture II	4
ART 324	Ceramics II	4
ART 334	Wood Working	4
ART 343	Metal Fabrication and Welding in Sculpture	4
ART 354	Glassworking	4
ART 409	Digital Fabrication Studio	4
ART 414	Art Foundry	3
ART 454	Neon: Light as Sculpture	4
ART 514	Advanced Sculpture Workshop 1	4
ART 521	Installations and Environments	4
ART 534	Advanced Wood Working	4
ART 544	Advanced Art Metal I	4
ART 554	Advanced Glassworking	4
ART 614	Advanced Sculpture Workshop 2	3-4
ART 624	Advanced Ceramics II	4
ART 644	Advanced Art Metal II	4

Focus Three: 4D-Digital, Time-based, Performative or Social Practice

Ideal for the novice artist, as well as for students who want to develop previous skill with new art genres. Students interested in pursuing this focus area can find more information about digital media and animation (https://art.wisc.edu/media-disciplines/4d/), (https://art.wisc.edu/media-disciplines/4d/) or performance, video, or social practice (https://art.wisc.edu/media-disciplines/4d/) on the art department's website.

Code	Title	Credits
Foundations		
Complete the following:		
ART 107	Introduction to Digital Forms	3
Development		
Complete minimum of three courses from list.		
ART 309	Digital Art and Code	4
ART 318	Introduction to Video, Performance & Installation Art	4
ART 338	Service Learning in Art	2
ART 348	Introduction to Digital Printmaking	4
ART 393	Internships in Art	1
ART 409	Digital Fabrication Studio	4
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
ART 470	Special Topics in 4D Art	3-4
ART 511	Art Performance	3-4
ART 518	Artist's Video	4
ART 529	3D Digital Studio II	4
ART 570	Advanced Topics in 4D Art	4
ART 531	Screen Performance	3-4
ART 636	Computer Augmented Printmaking	4
INTEGART 310	Interdisciplinary Artist in Residence Studio	1-3

Focus Four: Photography (Film and Digital)

Ideal for the novice artist, as well as for students who want to develop previous skill with photography. Students interested in pursuing this focus area can find more information about photography (https://art.wisc.edu/media-disciplines/printmaking/) on the art department's website. ART HIST 206 Survey of Photography: 1839 to 1989 is highly recommended as the historical context course.

Code	Title	Credits
Foundations		
Complete the following:		

ART 176	Digital Photography for Non-Art Majors	4
Development		
Complete the following:		
ART 376	Darkroom Photography	4
ART 476	Intermediate Photography	4
ART 576	Advanced Photography	4

PROGRESS AND COMPLETION REQUIREMENTS

A minimum cumulative GPA of 2.5 must be achieved and maintained across all certificate course work in order to remain in, and successfully complete the certificate. All courses required by the certificate must be taken for a grade; none may be taken on a pass/fail, credit/no credit basis or as an auditor.

At least 12 of the required credits must be completed in residence in the UW–Madison Department of Art. Courses taken in a study abroad program sponsored by UW–Madison do not count toward this residency requirement.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Correctly identify and explain important eras in historical and contemporary art practice.
2. Develop technical and conceptual skill in studio practice by consistently employing the elements and principles of effective visual art and/or design in their chosen focus area.

ART, BFA

The highly ranked Department of Art's degree programs provide creative students with the critical and artistic skills needed to excel in contemporary, multidisciplinary art and design practices. The art curriculum fosters positive collaboration, the creation of innovative and technically advanced art works, and encourages the sharing of diverse points of view.

Degree programs feature a rigorous foundation program, a set of six courses that students often complete by participating in the popular Contemporary Art & Artists First-Year Interest Group (https://figs.wisc.edu/what/) (FIG), before branching out into one or more specialized areas (https://art.wisc.edu/media-disciplines/):

- 4D Digital Media
- 4D Video and Performance
- Ceramics
- Drawing/Painting
- Glass/Neon
- Graphic Design
- Metals/Jewelry
- Printmaking/Book Arts
- Photography
- Sculpture
- Wood/Furniture

Potential careers for artists include creative director, content marketing manager, arts coordinator and studio manager, ceramics, glassblowing, metal fabrication, illustration, commercial or fine arts photographer, primary/secondary school art teacher, gallerist, or studio artist. Our graduates also work as community arts organizers, user experience designers, technical assistants for major film companies, jewelry designers and fabricators, book designers, museum preparators, and more!

The Department of Art believes that hardworking students who learn to harness and nurture their creative energies today will be the people influencing progress tomorrow. Come join us!

"I did the first-year interest group (FIG) freshman year and it was a great way to find a core group of friends while navigating being away from home for the first time. I had never been around so many art people before, and it was invigorating to be able to share that interest with others who were just as passionate." – Cam Erhardt, Graphic Design Option (read more (https://education.wisc.edu/news/cam-erhardt-from-the-school-of-educations-art-major/?utm_source=Early_AD&utm_medium=email&utm_campaign=art_majors&utm_id=stu

HOW TO GET IN

HOW TO GET IN

PROGRAM ADMISSION OVERVIEW

Students interested in the Art–BFA degree, or Art-BFA with the Graphic Design named option, initially enroll in the Art–BS degree or Art-BS with the Graphic Design named option while completing prerequisite coursework and establishing other criteria for BFA eligibility. A BFA mentoring meeting to review a portfolio of work is part of the BFA selection process. Students will typically declare the BFA in their junior year and must have attained a minimum of junior standing. For the BFA, a BFA mentoring meeting may be scheduled during the semester that the required courses will be completed. For the BFA: Graphic Design named option, the declaration may be submitted during the semester that the required courses will be completed, with the exception of ART 102 2D Foundations and ART 107 Introduction to Digital Forms, which must be successfully completed.

APPLICATION AND ADMISSION

New freshmen and off-campus transfers are admitted directly to the Art–BS degree program and receive an ART classification. All art degree programs currently admit on-campus students to begin in the fall, spring, and summer. Requirements and selection criteria may be modified from one application/admission period to the next. Potential applicants should consult the School of Education's Undergraduate Admissions (https://education.wisc.edu/admissions-aid/undergraduate-admissions/) page for updates to eligibility requirements prior to submitting an application.

APPLICATION PROCEDURES

Prospective UW–Madison Applicants

The Office of Admissions and Recruitment (http://admissions.wisc.edu/) makes final determinations regarding admission criteria and the status of all applicants. Additional information, including submission guidelines, is available on the How to Apply (https://art.wisc.edu/undergraduate/undergraduate-application/) page of the art department's website.

Current UW–Madison Students

On-campus students interested in pursuing the BFA must first apply to the Art–BS degree program. A meeting with an undergraduate advisor in the Department of Art is required, and can be scheduled using Starfish, (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) or by contacting the Department of Art at 608-262-1660. Upon completion of the BFA mentoring meeting (https://art.wisc.edu/undergraduate/undergraduate-degrees/) (see additional details below), students will complete an application signed by an undergraduate advisor in the Department of Art to move into the BFA program.

Transfer Students

Applicants not already enrolled on the UW–Madison campus must be admissible to the university to enroll in a School of Education program. Admission to UW–Madison requires a separate application and admission process. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information. Note that off-campus transfer students will be held to the UW–Madison admission GPA requirements. BFA candidates cannot transfer directly into the BFA program; instead, they will be admitted to campus as if pursing a BS–Art degree (ART classification) and can apply for the BFA program once enrolled on campus. Transfer students are strongly encouraged to meet with the Department of Art advisor prior to coming to campus; call 608-262-1660 to schedule an appointment. Prospective transfer students are strongly advised to meet with an advisor in the School of Education Student Services office in advance of their application; to schedule, call 608-262-1651.

Students With a Previous Degree

Prospective applicants who already hold an undergraduate degree are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their application. Consultations with advisors are available in person or via telephone; to schedule, call 608-262-1651.

Applicants who already hold an undergraduate degree are admitted to the School of Education as either an *Education Special student* or a *second degree student*, depending on their interests and academic background. Admission as an Education Special student indicates that that the student has an interest in pursuing certification in a subject area studied during the initial degree; another degree is not awarded for this "certification only" coursework. Second degree students are seeking a second, unrelated degree from the School of Education, which may, or may not, include teacher certification. Candidates for limited enrollment programs must meet all admission eligibility requirements for the program and must compete with the eligible applicants for program admission. More information is available here (p. 1494).

CRITERIA FOR ADMISSION

- Previous Art–BS or Art-BS Graphic Design named option degree program status.
- Cumulative grade point average of at least a 2.5 based on UW–Madison campus coursework, as modified by the Last 60 Credits Rule (detailed below).
- For the BFA degree and the BFA degree with the Graphic Design named option, successful completion or concurrent enrollment in the following courses:

Code	Title	Credits
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 108	Foundations of Contemporary Art	3
ART 208	Current Directions in Art	3
ART 212	Drawing Foundations	3
One course from each of the following. See Requirements section for course options:		
2D Studio		
3D Studio		
4D Studio		
Graphics		

- For the Graphic Design named option, must have successfully completed ART 102 2D Foundations and ART 107 Introduction to Digital Forms.
- Minimum 3.0 Art studio course GPA.
- BFA mentoring meeting (https://art.wisc.edu/undergraduate/undergraduate-degrees/).
  - The declaration process includes a portfolio and artist statement that must be submitted only after all prerequisite coursework has been completed or during the semester the courses will be completed. The portfolio must contain images of work completed in college art courses. BFA mentoring meetings are held throughout the academic school year.

Last 60 Credits Rule

Two grade point averages will be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) For more information on this rule, see this link (p. 1494).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits
All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)
All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science
All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies
All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Bachelor of Fine Arts (BFA) degree program in art has four components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- The *Foundations Program* requires six interrelated studio and aesthetics courses designed to prepare first-year students for further study in studio art and design.
- *Aesthetics* coursework gives students an opportunity to study both the history of art and contemporary developments in the visual arts.
- *Major* requirements permit in-depth studies of studio art. After taking courses in the Foundations area, students complete coursework in each of the four studio areas: 2D, 3D, 4D, and Graphics. BFA students are required to reach an advanced level in two studio disciplines.

ART FOUNDATIONS PROGRAM

The Art Foundations Program is a series of interrelated studio and lecture courses to be taken by art and art education majors in their first year as preparation for further study in studio art and design. The program addresses the fundamentals of art through investigation of formal, technical and conceptual issues. The drawing, 2D and 3D design, digital media, and art historical lecture classes are designed to expose, broaden, and challenge students' understanding of contemporary art production.

Art Foundations classes are meant to be taken concurrently and the information covered in them is interrelated. Students completing the Foundations Program should enroll in ART 102 2D Foundations, ART 212 Drawing Foundations, and ART 108 Foundations of Contemporary Art

for the fall semester and complete ART 104 3D Foundations, ART 107 Introduction to Digital Forms, and ART 208 Current Directions in Art in the spring.

Most freshman art majors complete their foundations courses through participation in the very popular Contemporary Art and Artists First-Year Interest Group (FIG), (https://figs.wisc.edu/) which also creates a network of corresponding experiences and a peer community that will continue throughout the program and often beyond graduation. Students in FIGs enjoy studying with instructors dedicated to serving first year students, the opportunity to integrate related ideas from all three classes, and the ready-made opportunities to form support networks and lasting friendships.

Additional information about the Foundations Program (https://art.wisc.edu/media-disciplines/foundations/) is available on the departmental website.

AESTHETICS REQUIREMENTS

The BFA programs require a total of 18 aesthetics credits, including four required courses. The remaining credits will be met by selecting from a list of aesthetics electives. Liberal studies coursework in fine arts and literature can also can count as aesthetics electives. Additional courses may be approved by the art department advisor.

REQUIRED AESTHETICS COURSES

Code	Title	Credits
ART 108	Foundations of Contemporary Art (component of the Foundations Program)	3
ART 208	Current Directions in Art (component of the Foundations Program)	3
Select two additional courses from the following:		8
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	
ART HIST 205	Global Arts	
ART 438	History of Graphic Design and Typography [1]	

[1] If taken prior to summer, 2018, ART 438 may count toward either the aesthetics or studio requirements, but not both. Effective summer, 2018, it may only count toward the aesthetics requirement. This course is designed for students pursuing graphic design.

AESTHETICS ELECTIVES

Select from the following to complete the required 18 credits. Liberal studies coursework in fine arts and literature can also double count as aesthetics electives.

Elective Courses

Code	Title	Credits
AFRICAN/ FOLKLORE 210	The African Storyteller	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	4
AFROAMER 151	Introduction to Contemporary Afro-American Society	3
AFROAMER 155	They: Race in American Literature	3
AFROAMER/ GEN&WS 222	Introduction to Black Women Writers	3
AFROAMER 231	Introduction to African American History	3
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	3
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women	3
AFROAMER/ AFRICAN/ANTHRO/ GEOG/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER/ ENGL 672	Selected Topics in Afro-American Literature	3
AFROAMER 673	Selected Topics in Afro-American Society	3
ANTHRO 102	Archaeology and the Prehistoric World	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
ANTHRO/AFRICAN/ AFROAMER/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/ AMER IND 314	Indians of North America	3

ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 391	Bones for the Archaeologist	3
ANTHRO 424	Historical Anthropology	3
ANTHRO/ LINGUIS 430	Language and Culture	3-4
ART 236	Bascom Course	3
All Art History courses		
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM/ ENGL 270	A Survey of Asian American Literature	3
CLASSICS 322	The Romans	3
COM ARTS 250	Survey of Contemporary Media	3
COM ARTS 260	Communication and Human Behavior	3
COM ARTS 350	Introduction to Film	3
COM ARTS 351	Television Industries	3
COM ARTS 354	Film Genres	3
COM ARTS 355	Introduction to Media Production	4
COM ARTS 357	History of the Animated Film	3
COM ARTS 358	History of Documentary Film	3
COM ARTS 450	Cultural History of Broadcasting	3
COM ARTS 454	Critical Film Analysis	3
COMP LIT 201	Introduction to Pre-Modern Literatures/Impact on the Modern World	3
COMP LIT 202	Introduction to Modern and Contemporary Literature	3
COMP LIT 203	Introduction to Cross-Cultural Literary Forms	3
COMP LIT 990	Research and Thesis	1-12
DANCE 255	Movement Composition for the Performing and Visual Arts	2
DANCE 265	Dance History I: Dance in the Modern Era	3
ENGL 207	Introduction to Creative Writing: Fiction and Poetry Workshop	3
ENGL 236	Bascom Course	3
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	3
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	3
ENGL 417	History of the English Language	3
DS 221	Person and Environment Interactions	3
DS 355	History of Fashion, 1400-Present	3
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	3
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	3
FOLKLORE 100	Introduction to Folklore	3
FOLKLORE/ MUSIC 103	Introduction to Music Cultures of the World	3
FOLKLORE/ AFRICAN 210	The African Storyteller	3
FOLKLORE 220	The Folk Tale	3
FOLKLORE 230	Introduction to American Folklore	3
FOLKLORE 320	Folklore of Wisconsin	3
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	3
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	3
FOLKLORE 460	Folk Epics	3
GEN&WS 101	Gender, Women, and Cultural Representation	3
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	3
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4
HISTORY 102	American History, Civil War Era to the Present	4
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 200	Historical Studies	3
HISTORY 201	The Historian's Craft	3-4
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4

HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY 418	History of Russia	3-4
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/ ECON 466	The American Economy Since 1865	3-4
HISTORY 500	Reading Seminar in History	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 600	Advanced Seminar in History	3
HISTORY 680	Honors Thesis Colloquium	2
HISTORY 681	Senior Honors Thesis	1-3
HISTORY 682	Senior Honors Thesis	1-3
HISTORY 690	Thesis Colloquium	2
HISTORY 691	Senior Thesis	1-3
HISTORY 692	Senior Thesis	1-3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
ILS 204	Western Culture: Literature and the Arts II	3-4
ILS 205	Western Culture: Political, Economic, and Social Thought I	3
ILS 206	Western Culture: Political, Economic, and Social Thought II	3
LINGUIS 101	Human Language	3
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	3
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	3
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	3-4
LITTRANS 236	Bascom Course-In Translation	3
LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century	3-4
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen	3-4
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s	3
LITTRANS/ GERMAN/ JEWISH 279	Yiddish Literature and Culture in America	3
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	3-4
LITTRANS 410	In Translation: Special Topics in Italian Literature	3
LITTRANS 473	Polish Literature (in Translation) since 1863	3
JEWISH/GERMAN/ LITTRANS 279	Yiddish Literature and Culture in America	3
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature	3
JOURN 201	Introduction to Mass Communication	4
JOURN/ HISTORY 560	History of U.S. Media	4
JOURN 561	Mass Communication and Society	4
MEDIEVAL/ HISTORY/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
MEDIEVAL/ SCAND ST 408	Intermediate Old Norse	3
MEDIEVAL/ GERMAN 651	Introduction to Middle High German	3
MUSIC 101	The Musical Experience	3
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	3
MUSIC 105	Storytelling on Stage: Introduction to Musical Theater and Opera	3
MUSIC 106	The Symphony	3
MUSIC 113	Music in Performance	1
MUSIC 211	Survey of the History of Western Music	3
PHILOS 101	Introduction to Philosophy	3-4
PHILOS 341	Contemporary Moral Issues	3-4
PHILOS 430	History of Ancient Philosophy	3-4
PHILOS 432	History of Modern Philosophy	3-4
PHYSICS 109	Physics in the Arts	3
RELIG ST 361	Early Christian Literature: Pauline Christianity	3
RELIG ST/AFRICAN/ ASIAN 370	Islam: Religion and Culture	4
SOC 125	American Society: How It Really Works	3-4
THEATRE 327	History of Costume for the Stage	3

MAJOR REQUIREMENTS

The requirements listed here are effective for students admitted to the Art or BFA program effective summer, 2016. Students admitted prior to this time can find their major requirements listed in previous editions of the *Undergraduate Catalog* and on their DARS reports.

Bachelor of Fine Arts (BFA) Program: Complete a minimum of 72 studio credits, including the specific coursework below. The BFA degree requires 126 total credits. Admission to the BFA program requires the completion of (or concurrent enrollment in) ART 102, ART 104, ART 107, ART 108, ART 208, ART 212, and one course in each of the 2D, 3D, 4D and graphics areas. Students must have a 3.0 GPA in their studio coursework to be considered for the BFA program and have attained a minimum of sophomore standing. Successful participation in a portfolio review is also part of the selection process. Application may be made during the semester that the required courses will be completed. See How to Get In (p. 1529) for details about the application process.

Major residency requirement. The BFA program requires that at least 36 credits of major studio coursework be completed in residence at UW–Madison.

Art and BFA degree students have priority access to studio courses. Note: Some courses are offered for 3 or 4 credits; it is preferred that the course be taken for 4 credits.

REQUIRED STUDIO FOUNDATIONS COURSES

Complete the following:

Code	Title	Credits
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 212	Drawing Foundations	3

REQUIRED STUDIO BREADTH COURSES

Select one course in each of the 2D, 3D, 4D, and Graphics areas. Students will also take ART 508 at least once and complete a 500-level or 600-level art studio course in at least two disciplines. BFA candidates are required to participate in an exhibit and concurrently enroll in a capstone course.

2D Studio

Select one of the following:

Code	Title	Credits
ART 222	Introduction to Painting	3-4
ART 232	Life Drawing I	4
ART 242	Watercolor I	3-4
ART 302	Color	4
ART 312	Intermediate Drawing I	3-4

3D Studio

Select one of the following:

Code	Title	Credits
ART 214	Sculpture I	4
ART 224	Ceramics I	4
ART 244	Art Metal I	3-4
ART 334	Wood Working	3-4
ART 343	Metal Fabrication and Welding in Sculpture	3-4
ART 354	Glassworking	4
ART 454	Neon: Light as Sculpture	4

4D Studio

Select one of the following:

Code	Title	Credits
ART 309	Digital Art and Code	4
ART 318	Introduction to Video, Performance & Installation Art	4
ART 338	Service Learning in Art	2
ART 409	Digital Fabrication Studio	4
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
ART 470	Special Topics in 4D Art	3-4
ART 521	Installations and Environments	4
ART 531	Screen Performance	3-4

Graphics

Select one of the following:

Code	Title	Credits
ART 306	Relief Printmaking	3-4
ART 316	Lithography	4
ART 326	Etching	4
ART 336	Serigraphy	3-4
ART 346	Basic Graphic Design	4
ART 348	Introduction to Digital Printmaking	4
ART 376	Darkroom Photography	4
ART 446	Artists' Books	4

ART COLLOQUIUM

Complete the following:

Code	Title	Credits
ART 508	Colloquium in Art (Students are encouraged to enroll in this visiting artist lecture series multiple times)	1

ADVANCED STUDIO REQUIREMENT

Complete a 500-level or 600-level Art studio course in two disciplines. ART 508, ART 608, and ART 699 will **not** fulfill this requirement.

EXHIBIT PARTICIPATION

BFA students must participate at least once in the department-sponsored exhibit, held in the spring semester. Requires concurrent enrollment in the professional practices/capstone course.

PROFESSIONAL PRACTICES/CAPSTONE COURSE

BFA students must enroll in this course during the required semester of participation in the department-sponsored exhibit. Currently, offered as ART 448 section 10; a unique course number will be forthcoming.

ELECTIVE STUDIO COURSES

Select elective studio courses (https://guide.wisc.edu/courses/art/) to reach the minimum of 72 credits.

AREAS OF CONCENTRATION

Although a specific emphasis is not required, students may wish to develop an area of interest within the requirements of the BFA

program. Concentrations in multi-media, 2D studio, 3D studio, and printmaking are some of the available tracks (https://art.wisc.edu/media-disciplines/) listed on the art department's website. Students wishing to concentrate in graphic design should declare the Graphic Design Named Option when eligible.

View as listView as grid

- **ART: GRAPHIC DESIGN, BFA (P. 1538)**

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

These requirements are based on UW–Madison coursework.

- 2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- Cumulative major grade point average: 3.0 cumulative grade point average in all major studio coursework.
- Upper-level major coursework: 3.0 cumulative grade point average in all upper-level major coursework (Art courses numbered 214 and above, excluding ART 236 Bascom Course and ART 338 Service Learning in Art).
- Major Residency: Students must complete at least 36 major credits while enrolled in residence on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total Credits: A minimum of 126 credits are required for graduation in the Art–BFA degree program.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Learn the fundamentals of art and design through investigation of form, technology and concept within a cohort of like-minded and diverse artists and designers.
2. Develop skills in research, creative problem solving, and professional practices.
3. Expand knowledge of historical, thematic, critical, and theoretical issues as a means of strengthening verbal and visual vocabulary.
4. Demonstrate a broad understanding of distinct concepts and practices in two-dimensional media, three-dimensional media, four-dimensional media, printmaking, photography, or graphic design media.
5. Demonstrate competency at an advanced level in at least two disciplines of student's choice. (Graphic design named options: one of the two disciplines must be in graphic design.)

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Bachelor of Fine Arts: Art - Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with your academic advisor(s) to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

A minimum of 126 credits are required. Six credits of liberal studies course work must be aesthetics-related and will count toward both liberal studies and aesthetics requirements.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring)	3	Communication A (fall or spring)	3
ART 108	3	ART 208	3
ART 102	3	ART 104	3
ART 212	3	ART 107	3
ART 508	1	Additional Studio Elective (ART 508 recommended)	1
Liberal Studies course work	2-5	Liberal Studies course work	2-5
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Aesthetics Elective	4	Aesthetics Elective	4
Two Art Studio Breadth courses from 2D, 3D, 4D or GR categories	8	Two Art Studio Breadth courses from 2D, 3D, 4D or GR categories	8
Additional Studio Elective (ART 508 recommended)	1	Communication B	3
Quantitative Reasoning A	3	Liberal Studies course work	3
	16		**18**

Junior

Fall	Credits	Spring	Credits
BFA Application		Art Studio Elective course work	8
Art Studio Elective course work	12	Quantitative Reasoning B	3
Liberal Studies course work	4	Ethnic Studies	3
		Liberal Studies course work	3
	16		**17**

Senior

Fall	Credits	Spring	Credits
Area 1 Advanced Studio Elective	4	Participate in BFA Group Exhibition	
Studio Elective course work	8	Capstone Professional Practice Course	2
Additional Studio Elective (ART 508 recommended)	1	Area 2 Advanced Studio Elective	4
Liberal Studies course work	3	Additional Studio Electives	2
		Liberal Studies course work	5
	16		**13**

Total Credits 126

ADVISING AND CAREERS

ART DEPARTMENT ADVISING

Students declared in the BS–Art or BFA–Art major (including graphic design named options), as well as potential transfers into art, will meet with the Undergraduate Art Program Advisor or through email via artadvising@education.wisc.edu.

Prospective freshmen and art studio/graphic design certificate students will meet with the Prospective Student and Certificate Advisor or through email via artadvising@education.wisc.edu.

Current Art majors can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Certificate students can also use the Starfish app (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/109896) to schedule an appointment. Students are also strongly encouraged to confer with an advisor in the School of Education Student Services office on a regular basis, see below.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search

- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Art Pathways (https://careercenter.education.wisc.edu/explore-career/art-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

ART AND THE WISCONSIN EXPERIENCE

The UW–Madison Art Department provides a wide range of opportunities for students on campus and beyond. Available resources include courses that connect with the community, job opportunities, the chance to show work, and the ability to manage campus student organizations.

Visiting Artists

The Art department is unique in its ability to bring in weekly visiting artists through the Art Colloquium series. A professional national or international artist comes to campus to provide an artist's talk, studio visits, and general conversation about artmaking with students. Individual courses often bring in visiting artists throughout the semester to provide workshops on unique techniques from those who specialize in particular processes.

Career Advising and Internships

The School of Education Career Center (https://careercenter.education.wisc.edu/) has a designated advisor for art students who can provide connections with hourly campus employment, internships, and career options after graduation. The Art department offers courses that focus on internships in the arts and many studios hire hourly workers who learn the basics of maintaining an artist's studio space. The BFA capstone course also provides detailed instruction in writing a resume, cover letter, grant proposals, and residency applications.

Student Organizations

Student organizations are an excellent opportunity for art majors to establish connections with working artists, host workshops for the community, and raise funds for travel. Fresh Hot Press (printmaking), AIGA (graphic design), Mad Gaffers (glassblowing), and Art for Change (activism) are just a few of the art-related options (https://art.wisc.edu/art-at-uw/student-orgs/). Student organizations are led by undergraduates and graduate students, with several using fundraising throughout the year to attend national conferences. Overall, there are multiple ways for undergraduates to refine their professional and technical skills in relation to their future career goals in the arts through student organizations.

Exhibiting Artwork

It is important for any artist to consistently show their work, and the Art Department does its part to provide this professional development to our students. Undergraduates have the opportunity to reserve one of our three large-scale galleries to install their work for documentation and submission of future exhibitions. Students also work with faculty to submit their pieces into galleries throughout Madison, Milwaukee, and nationally. The Art Department works with students in many ways to help promote their work and develop the skills necessary to establish a thriving career in the world of art.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ART: GRAPHIC DESIGN, BFA

REQUIREMENTS

REQUIREMENTS

As an inherently interdisciplinary practice, graphic design plays an important role at every level of contemporary culture. Graphic design courses deliver skills and expertise that are in demand for all graphic design and related communications fields. Students develop abilities to think critically while working seamlessly across disciplines. In current and future iterations of the field, graphic designers must function as the "fusion" between art, business, engineering, research, and science.

Graduates of the Graphic Design named option programs will have experienced a range of forms and media that provide professional

preparation, as well as the development of unique intellectual and visual voice. Graduating students will also possess the flexibility to adapt to a changing, unpredictable world where the methods of communication will continuously evolve and expand.

The named option requirements listed here are components of the BFA - Art (https://guide.wisc.edu/undergraduate/education/art/art-bfa/#requirementstext) degree requirements.

AESTHETICS REQUIREMENTS - GRAPHIC DESIGN OPTION

The BFA Graphic Design option program requires a total of 18 aesthetics credits, including four required courses. The remaining credits will be met by selecting from a list of aesthetics electives. Additional aesthetics courses may be approved by the art department advisor.

REQUIRED AESTHETICS COURSES

Code	Title	Credits
ART 108	Foundations of Contemporary Art (component of the Foundations Program)	3
ART 208	Current Directions in Art (component of the Foundations Program)	3
ART 438	History of Graphic Design and Typography	3
Select one additional courses from the following:		4
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	
ART HIST 205	Global Arts	

AESTHETICS ELECTIVES

Select from the following to complete the required 18 credits. Liberal studies coursework in fine arts and literature can also double count as aesthetics electives.

Elective Courses

Code	Title	Credits
AFRICAN/ FOLKLORE 210	The African Storyteller	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	4
AFROAMER 151	Introduction to Contemporary Afro-American Society	3
AFROAMER 155	They: Race in American Literature	3
AFROAMER/ GEN&WS 222	Introduction to Black Women Writers	3
AFROAMER 231	Introduction to African American History	3
AFROAMER/ ART HIST 241	Introduction to African Art and Architecture	3
AFROAMER/ ART HIST 242	Introduction to Afro-American Art	3
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women	3
AFROAMER/ AFRICAN/ANTHRO/ GEOG/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER/ ENGL 672	Selected Topics in Afro-American Literature	3
AFROAMER 673	Selected Topics in Afro-American Society	3
ANTHRO 102	Archaeology and the Prehistoric World	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
ANTHRO/AFRICAN/ AFROAMER/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/ AMER IND 314	Indians of North America	3
ANTHRO 321	The Emergence of Human Culture	3
ANTHRO 391	Bones for the Archaeologist	3
ANTHRO 424	Historical Anthropology	3
ANTHRO/ LINGUIS 430	Language and Culture	3-4
ART 236	Bascom Course	3
All Art History courses		
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM/ ENGL 270	A Survey of Asian American Literature	3
CLASSICS 322	The Romans	3
COM ARTS 250	Survey of Contemporary Media	3

COM ARTS 260	Communication and Human Behavior	3
COM ARTS 350	Introduction to Film	3
COM ARTS 351	Television Industries	3
COM ARTS 354	Film Genres	3
COM ARTS 355	Introduction to Media Production	4
COM ARTS 357	History of the Animated Film	3
COM ARTS 358	History of Documentary Film	3
COM ARTS 450	Cultural History of Broadcasting	3
COM ARTS 454	Critical Film Analysis	3
COMP LIT 201	Introduction to Pre-Modern Literatures/Impact on the Modern World	3
COMP LIT 202	Introduction to Modern and Contemporary Literature	3
COMP LIT 203	Introduction to Cross-Cultural Literary Forms	3
COMP LIT 990	Research and Thesis	1-12
DANCE 255	Movement Composition for the Performing and Visual Arts	2
DANCE 265	Dance History I: Dance in the Modern Era	3
ENGL 207	Introduction to Creative Writing: Fiction and Poetry Workshop	3
ENGL 236	Bascom Course	3
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	3
ENGL/HISTORY/ RELIG ST 360	Early Medieval England	3
ENGL 417	History of the English Language	3
DS 221	Person and Environment Interactions	3
DS 355	History of Fashion, 1400-Present	3
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	3
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	3
FOLKLORE 100	Introduction to Folklore	3
FOLKLORE/ MUSIC 103	Introduction to Music Cultures of the World	3
FOLKLORE/ AFRICAN 210	The African Storyteller	3
FOLKLORE 220	The Folk Tale	3
FOLKLORE 230	Introduction to American Folklore	3
FOLKLORE 320	Folklore of Wisconsin	3
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	3
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	3
FOLKLORE 460	Folk Epics	3
GEN&WS 101	Gender, Women, and Cultural Representation	3
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS/ AFROAMER 222	Introduction to Black Women Writers	3
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4
HISTORY 102	American History, Civil War Era to the Present	4
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 200	Historical Studies	3
HISTORY 201	The Historian's Craft	3-4
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY 418	History of Russia	3-4
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3

HISTORY/ ECON 466	The American Economy Since 1865	3-4
HISTORY 500	Reading Seminar in History	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 600	Advanced Seminar in History	3
HISTORY 680	Honors Thesis Colloquium	2
HISTORY 681	Senior Honors Thesis	1-3
HISTORY 682	Senior Honors Thesis	1-3
HISTORY 690	Thesis Colloquium	2
HISTORY 691	Senior Thesis	1-3
HISTORY 692	Senior Thesis	1-3
ILS 201	Western Culture: Science, Technology, Philosophy I	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
ILS 204	Western Culture: Literature and the Arts II	3-4
ILS 205	Western Culture: Political, Economic, and Social Thought I	3
ILS 206	Western Culture: Political, Economic, and Social Thought II	3
LINGUIS 101	Human Language	3
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	3
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	3
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	3-4
LITTRANS 236	Bascom Course-In Translation	3
LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century	3-4
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen	3-4
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s	3
LITTRANS/ GERMAN/ JEWISH 279	Yiddish Literature and Culture in America	3
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	3-4
LITTRANS 410	In Translation: Special Topics in Italian Literature	3
LITTRANS 473	Polish Literature (in Translation) since 1863	3
JEWISH/GERMAN/ LITTRANS 279	Yiddish Literature and Culture in America	3
JEWISH/HEBR-MOD 301	Introduction to Hebrew Literature	3
JOURN 201	Introduction to Mass Communication	4
JOURN/ HISTORY 560	History of U.S. Media	4
JOURN 561	Mass Communication and Society	4
MEDIEVAL/ HISTORY/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
MEDIEVAL/ SCAND ST 408	Intermediate Old Norse	3
MEDIEVAL/ GERMAN 651	Introduction to Middle High German	3
MUSIC 101	The Musical Experience	3
MUSIC/ FOLKLORE 103	Introduction to Music Cultures of the World	3
MUSIC 105	Storytelling on Stage: Introduction to Musical Theater and Opera	3
MUSIC 106	The Symphony	3
MUSIC 113	Music in Performance	1
MUSIC 211	Survey of the History of Western Music	3
PHILOS 101	Introduction to Philosophy	3-4
PHILOS 341	Contemporary Moral Issues	3-4
PHILOS 430	History of Ancient Philosophy	3-4
PHILOS 432	History of Modern Philosophy	3-4
PHYSICS 109	Physics in the Arts	3
RELIG ST 361	Early Christian Literature: Pauline Christianity	3
RELIG ST/AFRICAN/ ASIAN 370	Islam: Religion and Culture	4
SOC 125	American Society: How It Really Works	3-4
THEATRE 327	History of Costume for the Stage	3

MAJOR REQUIREMENTS - GRAPHIC DESIGN OPTION

Complete a minimum of 72 studio credits, including the specific coursework below. The BFA degree requires 126 credits. At least 36 credits of major studio coursework be completed in residence at UW–Madison.

Art and BFA degree students have priority access to studio courses. Note: Some courses are offered for 3 or 4 credits; it is preferred that the course be taken for 4 credits.

REQUIRED STUDIO FOUNDATION COURSES - GRAPHIC DESIGN OPTION

Code	Title	Credits
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 212	Drawing Foundations	3

REQUIRED STUDIO BREADTH COURSES - GRAPHIC DESIGN OPTION

Complete one course in each of the Graphic Design, 2D, 3D, and 4D areas. Students will also take ART 508 at least once and complete a 500-level or 600-level art studio course in graphic design and also in another discipline.

Graphic Design

Code	Title	Credits
ART 346	Basic Graphic Design	4

2D Studio

Select one of the following:

Code	Title	Credits
ART 222	Introduction to Painting	3-4
ART 232	Life Drawing I	4
ART 242	Watercolor I	3-4
ART 302	Color	4
ART 312	Intermediate Drawing I	3-4

3D Studio

Select one of the following:

Code	Title	Credits
ART 214	Sculpture I	4
ART 224	Ceramics I	4
ART 244	Art Metal I	3-4
ART 334	Wood Working	3-4
ART 343	Metal Fabrication and Welding in Sculpture	3-4
ART 354	Glassworking	4
ART 454	Neon: Light as Sculpture	4

4D Studio

Select one of the following:

Code	Title	Credits
ART 309	Digital Art and Code	4
ART 318	Introduction to Video, Performance & Installation Art	4
ART 338	Service Learning in Art	2
ART 409	Digital Fabrication Studio	4
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
ART 470	Special Topics in 4D Art	3-4
ART 521	Installations and Environments	4
ART 531	Screen Performance	3-4

VISITING ARTIST LECTURE SERIES - GRAPHIC DESIGN OPTION

Complete the following:

Code	Title	Credits
ART 508	Colloquium in Art (Students are encouraged to enroll in this visiting artist lecture series multiple times)	1

ADDITIONAL STUDIOS - GRAPHIC DESIGN OPTION

Complete at least 20 studio credits of graphic design coursework, **to include at least one 500 or 600 level course**, from the following list:

Code	Title	Credits
ART 333	Intro to Responsive Web Design	4
ART 356	Coding for Graphic Design	4
ART 458	Graphic Design for Branding and Identity	4
ART 463	Information Graphics	4
ART 465	Graphic Design for Packaging	4
ART 467	Graphic Design for Posters	4
ART 525	Advanced Typography	4
ART 546	Graphic Design for Publications	4
ART 556	Graphic Design for Interactive Media	4
ART 558	Product Development for Graphic Design	4
ART 560	Graphic Design Senior Thesis Project and Exhibition	4
ART 563	Graphic Design for Games	4
ART 564	Graphic Design for Accessibility	4
ART 565	Typeface Design	4
ART 568	Motion Typography	4
ART 575	User Experience for Graphic Design	4
ART 656	Design Portfolio and Professional Practice	4
ART 663	Graphic Design Practicum	2

ADVANCED LEVEL COURSE IN A SECOND DISCIPLINE

BFA-Art Graphic Design option students must plan for and complete an advanced-level (500-600) studio course in a secondary discipline of their choice. Common selections are in digital media, drawing/painting, video, glass, printmaking, and photography.

ELECTIVE STUDIO COURSES

Select additional elective studio courses (https://guide.wisc.edu/courses/art/) to reach the minimum of 72 credits.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements are based on UW–Madison coursework.

- 2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- Cumulative major grade point average: 3.0 cumulative grade point average in all major studio coursework.
- Upper-level major coursework: 3.0 cumulative grade point average in all upper-level major coursework (Art courses numbered 214 and above, excluding ART 236 and ART 338).
- Major Residency: Must complete at least 36 credits of major coursework in the UW-Madison Art Department. All graphic design coursework must be completed in residence.

- Senior Residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total Credits: A minimum of 126 credits must be completed to earn the BFA degree.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Bachelor of Fine Arts: Art - Graphic Design Named Option

Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with your academic advisor(s) to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

A minimum of 126 credits are required. Six credits of liberal studies course work must be aesthetics-related and will count toward both liberal studies and aesthetics requirements.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring)	3	Communication A (fall or spring)	3
ART 108	3	ART 208	3
ART 102	3	ART 104	3
ART 212	3	ART 107	3
ART 508	1	Additional Studio Elective (ART 508 recommended)	1
Liberal Studies course work	2-5	Liberal Studies course work	2-5
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
ART 438 (Aesthetic)	3	Aesthetic Elective	3-4
ART 346	4	Art Studio Breadth course from 2D, 3D, or 4D categories	4
Art Studio Breadth course from 2D, 3D, or 4D categories	4	Graphic Design Studio course	4
Quantitative Reasoning A	3	Communication B	3
		Liberal Studies course work	2-3
	14		**18**

Junior

Fall	Credits	Spring	Credits
BFA Application		Graphic Design Studio Elective	4
Graphic Design Studio Elective	4	Art or Design Studio Elective	4
Art or Design Studio Electives	8	Quantitative Reasoning B	3
Liberal Studies course work	4	Ethnic Studies	3
		Liberal Studies course work	3
	16		**17**

Senior

Fall	Credits	Spring	Credits
Graphic Design Studio Elective	4	Capstone Professional Practice Course	2
Area 2 Advanced Studio Elective, Intermediaate Level	4	Area 2 Advanced Studio Elective	4
Art or Design Studio Elective course work	4	Advanced Graphic Design Studio Elective	4
Liberal Studies course work	4	Liberal Studies course work	5
	16		**15**

Total Credits 126

ART, BS

The highly ranked Department of Art's degree programs provide creative students with the critical and artistic skills needed to excel in contemporary, multidisciplinary art and design practices. The art curriculum fosters positive collaboration, the creation of innovative and technically advanced art works, and encourages the sharing of diverse

points of view. Students can pair the BS Art degree with many different majors on campus in order to work toward specific career goals.

Degree programs feature a rigorous foundation program, a set of six courses that students often complete by participating in the popular Contemporary Art & Artists First-Year Interest Group (https://figs.wisc.edu/what/) (FIG), before branching out into one or more specialized areas (https://art.wisc.edu/media-disciplines/):

- 4D Digital Media
- 4D Video and Performance
- Ceramics
- Drawing/Painting
- Glass/Neon
- Graphic Design
- Metals/Jewelry
- Printmaking/Book Arts
- Photography
- Sculpture
- Wood/Furniture

Potential careers for artists include creative director, content marketing manager, arts coordinator and studio manager, ceramics, glassblowing, metal fabrication, illustration, commercial or fine arts photographer, primary/secondary school art teacher, gallerist, or studio artist. Our graduates also work as community arts organizers, user experience designers, technical assistants for major film companies, jewelry designers and fabricators, book designers, museum preparators, and more!

The Department of Art believes that hardworking students who learn to harness and nurture their creative energies today will be the people influencing progress tomorrow. Come join us!

"I came in as a Communication Arts major and knew I wanted to get an Art certificate. Then, through the art classes at UW, I was like, this is where I need to be and went full Art [major] my sophomore year." – Wylie Knight (read more (https://education.wisc.edu/news/wylie-knight-from-the-school-of-educations-art-major/?utm_source=Early_AD&utm_medium=email&utm_campaign=art_majors&utm_id=student&utm_content=Student_Story))

HOW TO GET IN

HOW TO GET IN

PROGRAM ADMISSION OVERVIEW

The Art–BS degree program currently admits on-campus students to begin in the fall, spring, and summer. Requirements and selection criteria may be modified from one application/admission period to the next. Potential applicants should consult the School of Education's Undergraduate Admissions (https://education.wisc.edu/admissions-aid/undergraduate-admissions/) page for eligibility requirements prior to submitting an application.

ENTERING THE SCHOOL OF EDUCATION

Prospective UW–Madison Applicants

The Office of Admissions and Recruitment (http://admissions.wisc.edu/) makes final determinations regarding admission criteria and status of all applicants. Additional information, including submission guidelines, is available on the How to Apply (https://art.wisc.edu/undergraduate/undergraduate-application/) page of the art department's website.

New and Current UW–Madison Students

New freshmen and off-campus transfers are admitted directly to the Art–BS degree program. Students planning on declaring the Art-BS: Graphic Design named option should first declare Art-BS The successful completion of ART 102 2D Foundations and ART 107 Introduction to Digital Forms is required to declare the named option. All other on-campus students interested in becoming Art students must follow the application procedures outlined below.

Prospective Transfer Students

Applicants not already enrolled on the UW–Madison campus must be admissible to the university to enroll in a School of Education program. Admission to UW–Madison requires a separate application and admission process. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information. BFA candidates cannot transfer directly into the Art–BFA degree program; instead, they will be admitted to campus as if pursuing the Art–BS degree program (ART classification) and can apply for the BFA program once enrolled on campus. Transfer students are strongly encouraged to meet with the art department advisor prior to coming to campus; call 608-262-1660 to schedule an appointment. Prospective transfer students are strongly advised to meet with an advisor in the School of Education Student Services office in advance of their application; to schedule, call 608-262-1651.

Students With A Previous Degree

Prospective applicants who already hold an undergraduate degree are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their application. Consultations with advisors are available in person or via telephone; to schedule, call 608-262-1651.

Applicants who already hold an undergraduate degree are admitted to the School of Education as either an *Education Special student* or a *second degree student*, depending on their interests and academic background. Admission as an Education Special student indicates that that the student has an interest in pursuing certification in a subject area studied during the initial degree; another degree is not awarded for this "certification only" coursework. Second degree students are seeking a second, unrelated degree from the School of Education, which may, or may not, include teacher certification. Candidates for limited enrollment programs must meet all admission eligibility requirements for the program and must compete with the eligible applicants for program admission. More information is available here (p. 1494).

APPLICATION AND ADMISSION

On-campus students should contact an undergraduate advisor in the Department of Art to discuss their interest in pursuing the Art–BS degree program. This meeting is required and can be scheduled using Starfish, (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) or by contacting the Department of Art at 608-262-1660. An application to the Art–BS degree program will be completed after this meeting.

Criteria for Admission

- Cumulative grade point average of at least a 2.5 based on UW–Madison campus coursework, as modified by the Last 60 Credits Rule (detailed below).
- If applying for named option in Graphic Design, successful completion of ART 102 2D Foundations and ART 107 Introduction to Digital Forms.
- Filing of all required paperwork, including professional program application (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) and transcripts. Application must be signed by the art department advisor.

Last 60 Credits Rule

Two grade point averages will be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) For more information on this rule, see this link (p. 1494).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, including ethnic studies, humanities/literature, social studies, and science. Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The bachelor of science (BS) degree program in art has five components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- The *Foundations Program* requires six interrelated studio and aesthetics courses designed to prepare first-year students for further study in studio art and design.
- *Aesthetics* coursework gives students an opportunity to study both the history of art and contemporary developments in the visual arts.
- *Major* requirements permit in-depth studies of studio art. After taking courses in the Foundations area, students complete coursework in each of the four studio areas: 2D, 3D, 4D, and Graphics. BS–Art majors are required to reach an advanced level in at least one studio discipline.
- *Elective* credits to pursue individual areas of interest, such as a second major or additional studio credits. Many BS–Art students complete an additional major from the College of Letters & Science. Some use this major to complement their art preparation (e.g., focusing on written communication for an eventual career in advertising), or a subject that complements their interest in art. Students interested in medical illustration, for example, may wish to take courses in the biological sciences. Others select majors that reflect interests completely unrelated to art.

ART FOUNDATIONS PROGRAM

The Art Foundations Program is a series of interrelated studio and lecture courses to be taken by art and art education majors in their first year as preparation for further study in studio art and design. The program addresses the fundamentals of art through investigation of formal, technical and conceptual issues. The drawing, 2D and 3D design, digital media, and art historical lecture classes are designed to expose, broaden, and challenge students' understanding of contemporary art production.

Art foundations classes are meant to be taken concurrently and the information covered in them is interrelated. Students completing the Foundations Program should enroll in ART 102 2D Foundations, ART 212 Drawing Foundations, and ART 108 Foundations of Contemporary Art for the fall semester and complete ART 104 3D Foundations, ART 107 Introduction to Digital Forms, and ART 208 Current Directions in Art in the spring.

Most freshman art majors complete their foundations courses through participation in the very popular Contemporary Art and Artists First-Year Interest Group (FIG), (https://figs.wisc.edu/) which also creates a network of corresponding experiences and a peer community that will continue throughout the program and often beyond graduation. Students in FIGs enjoy studying with instructors dedicated to serving first year students, the opportunity to integrate related ideas from all three classes, and the ready-made opportunities to form support networks and lasting friendships.

Additional information about the Foundations Program (https://art.wisc.edu/media-disciplines/foundations/) is available on the departmental website.

AESTHETICS REQUIREMENTS

Code	Title	Credits
ART 108	Foundations of Contemporary Art (component of the Foundations Program)	3
ART 208	Current Directions in Art (component of the Foundations Program)	3
Select two additional courses from the following:		8
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	
ART HIST 205	Global Arts	
ART 438	History of Graphic Design and Typography [1]	

[1] If taken prior to summer, 2018, ART 438 may count toward either the aesthetics or studio requirements, but not both. Effective summer, 2018, it may only count toward the aesthetics requirement. This course is designed for students pursuing graphic design.

MAJOR REQUIREMENTS

The requirements listed here are effective for students admitted to the program effective summer 2016. Students admitted prior to this time can find their major requirements listed in previous editions of the *Undergraduate Catalog* and on their DARS reports.

Complete a minimum of 45 studio credits, including the specific coursework below. No more than 58 studio credits will be counted toward the minimum 120 credits required for the BS degree. Thus, if a student wishes to graduate with the minimum of 120 credits, 62 of these credits must be "non-studio" coursework.

Major residency requirement: Students completing the BS degree must complete at least 24 credits of major studio coursework in residence on the UW–Madison campus.

Art and BFA degree students have priority access to studio courses. Note: Some courses are offered for 3 or 4 credits; it is preferred that the course be taken for 4 credits.

REQUIRED STUDIO FOUNDATIONS COURSES

Complete the following:

Code	Title	Credits
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 212	Drawing Foundations	3

REQUIRED STUDIO BREADTH COURSES

Select one course in each of the 2D, 3D, 4D, and Graphics areas. Students will also take ART 508 at least once and complete a 500-level or 600-level art studio course in at least one discipline.

2D Studio

Select one of the following:

Code	Title	Credits
ART 222	Introduction to Painting	3-4
ART 232	Life Drawing I	4
ART 242	Watercolor I	3-4
ART 302	Color	4
ART 312	Intermediate Drawing I	3-4

3D Studio

Select one of the following:

Code	Title	Credits
ART 214	Sculpture I	4
ART 224	Ceramics I	4
ART 244	Art Metal I	3-4
ART 334	Wood Working	3-4
ART 343	Metal Fabrication and Welding in Sculpture	3-4
ART 354	Glassworking	4
ART 454	Neon: Light as Sculpture	4

4D Studio

Select one of the following:

Code	Title	Credits
ART 309	Digital Art and Code	4
ART 318	Introduction to Video, Performance & Installation Art	4
ART 338	Service Learning in Art	2
ART 409	Digital Fabrication Studio	4
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
ART 470	Special Topics in 4D Art	3-4
ART 521	Installations and Environments	4
ART 531	Screen Performance	3-4

Graphics

Select one of the following:

Code	Title	Credits
ART 306	Relief Printmaking	3-4
ART 316	Lithography	4
ART 326	Etching	4
ART 336	Serigraphy	3-4
ART 346	Basic Graphic Design	4
ART 348	Introduction to Digital Printmaking	4
ART 376	Darkroom Photography	4
ART 446	Artists' Books	4

ART COLLOQUIUM

Complete the following:

Code	Title	Credits
ART 508	Colloquium in Art (Students are encouraged to enroll in this visiting artist lecture series multiple times)	1

ADVANCED STUDIO REQUIREMENT

Complete a 500-level or 600-level art studio course in at least one discipline. ART 508, ART 608, and ART 699 will not fulfill this requirement.

ELECTIVE STUDIO COURSES

Select elective studio courses (https://guide.wisc.edu/courses/art/) to reach the minimum of 45 credits.

AREAS OF CONCENTRATION

Although a concentration is not required, students may wish to select a sequence of related courses to develop an area of interest. Concentrations in multi-media, 2D studio, 3D studio, and printmaking are just some of the concentrations (https://art.wisc.edu/media-disciplines/) listed on the art department's website. Students wishing to concentrate in graphic design should declare the Graphic Design Named Option when eligible..

View as listView as grid

- **ART: GRAPHIC DESIGN, BS (P. 1550)**

ELECTIVE COURSEWORK

BS–Art students must complete additional coursework to reach the minimum 120 credits required for the degree. These students must complete a minimum of 62 non-studio credits. Another way of describing this requirement is that only 13 additional studio credits beyond the required 45 credits can count toward the 120 credits. Students interested in completing more than 58 total studio credits may wish to consider the BFA degree program, which requires at least 72 studio credits.

Completing an additional major. Students choosing the BS–Art option often also choose to complete an additional major in the College of Letters & Science. Review Academic Policies and Procedures (p. 1494) to find detailed information about declaring an additional L&S major while a student in the School of Education.

Completing two degree programs. Students also occasionally choose a second degree in another campus school or college. For instance, students may choose an Art degree program as well as a science degree program in the College of Agricultural and Life Sciences. See Academic Policies and Procedures (p. 1494) for more detailed information about the requirements and the approvals necessary to be permitted to complete dual degrees. Important note: Some campus schools/colleges do not permit dual degrees; at the present time this includes the College of Letters & Science and the College of Engineering. These policies do not permit students to complete, for example, an art degree program and a journalism degree program.

Students interested in additional majors or dual degrees should consult carefully with an advisor in the School of Education Student Services office. Students may be referred to the associate dean for additional consultation and approvals.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements are based on UW–Madison coursework.

- 2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- Cumulative major grade point average: 2.5 cumulative grade point average in all major studio coursework.
- Upper-level major coursework: 2.5 cumulative grade point average in all upper-level major coursework (Art courses numbered 214 and above, excluding ART 236 and ART 338).
- Major Residency: Must complete at least 24 credits of major coursework in residence on the UW–Madison campus.
- Senior Residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total Credits: A minimum of 120 credits to include at least 62 non-studio credits are required for graduation in the Art–BS degree program.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Learn the fundamentals of art and design through investigation of form, technology and concept within a cohort of like-minded and diverse artists and designers.
2. Develop skills in research, creative problem solving, and professional practices.
3. Expand knowledge of historical, thematic, critical, and theoretical issues as a means of strengthening verbal and visual vocabulary.
4. Demonstrate a broad understanding of distinct concepts and practices in two-dimensional media, three-dimensional media, four-dimensional media, and in a choice of printmaking, photography, or graphic design media.
5. Demonstrate competency at an advanced level in at least one discipline of student's choice. (Graphic design named option: Generate advanced level competency in graphic design.)

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Bachelor of Science in Art: Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with your academic advisor(s) to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring)	3	Communication A (fall or spring)	3
ART 108	3	ART 208	3
ART 102	3	ART 104	3
ART 212	3	ART 107	3
ART 508	1	ART 508 (recommended)	1

Liberal Studies course work	2-5	Liberal Studies course work	2-5
	15		**15**

Sophomore

Fall	**Credits**	**Spring**	**Credits**
Aesthetics Elective	3-4	Aesthetics Elective	3-4
Two Art Studio Breadth courses from 2D, 3D, 4D or GR categories	8	Art Studio Breadth course from 2D, 3D, 4D or GR categories	4
Quantitative Reasoning A	3	Communication B	3
		Liberal Studies or General Elective course work	4-6
	15		**15**

Junior

Fall	**Credits**	**Spring**	**Credits**
Art Studio Breadth course from 2D, 3D, 4D or GR categories	4	Art Studio Elective course work	4
Art Studio Elective course work	4	Quantitative Reasoning B	3
Ethnic Studies	3	Liberal Studies or General Elective course work	8
Liberal Studies or General Elective course work	4		
	15		**15**

Senior

Fall	**Credits**	**Spring**	**Credits**
Studio Elective course work	3-4	Advanced Studio Elective	4
Liberal Studies, Studio or General Elective course work[1]	11-12	Liberal Studies, Studio or General Elective course work	11
	15		**15**

Total Credits 120

[1] At least 62 "non-studio" credits must be taken to complete the BS Art degree. Aesthetics courses are considered to be non-studio. No more than 58 studio credits can be applied toward the 120 credits.

ADVISING AND CAREERS

ADVISING AND CAREERS

ART DEPARTMENT ADVISING

Students declared in the BS–Art or BFA–Art major (including graphic design named options), as well as potential transfers into art, will meet with Undergraduate Art Program Advisor A`ha Vuong, ttvuong@wisc.edu, or through artadvising@education.wisc.edu.

Prospective freshmen and art studio/graphic design certificate students will meet with the Prospective Student and Certificate Advisor Annmarie Suglio, suglio@wisc.edu, or through artadvising@education.wisc.edu.

Current Art majors can schedule an appointment with A`ha online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Certificate students can also use the Starfish app (https://wisc.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=connection/109896) to schedule an appointment with Annmarie. Appointments can also be made via email or, by calling 608-262-1660. Students are also strongly encouraged to confer with an advisor in the School of Education Student Services office on a regular basis, see below.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Art Pathways (https://careercenter.education.wisc.edu/explore-career/art-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

ART AND THE WISCONSIN EXPERIENCE

The UW–Madison Art Department provides a wide range of opportunities for students on campus and beyond. Available resources include courses that connect with the community, job opportunities, the chance to show work, and the ability to manage campus student organizations.

Visiting Artists

The Art Department is unique in its ability to bring in weekly visiting artists through the Art Colloquium series. A professional national or international artist comes to campus to provide an artist's talk, studio visits, and general conversation about artmaking with students. Individual courses often bring in visiting artists throughout the semester to provide workshops on unique techniques from those who specialize in particular processes.

Career Advising and Internships

The School of Education Career Center (https://careercenter.education.wisc.edu/) has a designated advisor for art students who can provide connections with hourly campus employment, internships, and career options after graduation. The Art Department offers courses that focus on internships in the arts and many studios hire hourly workers who learn the basics of maintaining an artist's studio space. The BFA capstone course also provides detailed instruction in writing a resume, cover letter, grant proposals, and residency applications.

Student Organizations

Student organizations are an excellent opportunity for art majors to establish connections with working artists, host workshops for the community, and raise funds for travel. Fresh Hot Press (printmaking), AIGA (graphic design), Mad Gaffers (glassblowing), and Art for Change (activism) are just a few of the art-related options (https://art.wisc.edu/art-at-uw/student-orgs/). Student organizations are led by undergraduates and graduate students, with several using fundraising throughout the year to attend national conferences. Overall, there are multiple ways for undergraduates to refine their professional and technical skills in relation to their future career goals in the arts through student organizations.

Exhibiting Artwork

It is important for any artist to consistently show their work, and the Art Department does its part to provide this professional development to our students. Undergraduates have the opportunity to reserve one of our three large-scale galleries to install their work for documentation and submission of future exhibitions. Students also work with faculty to submit their pieces into galleries throughout Madison, Milwaukee, and nationally. The Art Department works with students in many ways to help promote their work and develop the skills necessary to establish a thriving career in the world of art.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ART: GRAPHIC DESIGN, BS

REQUIREMENTS

As an inherently interdisciplinary practice, graphic design plays an important role at every level of contemporary culture. Graphic design courses deliver skills and expertise that are in demand for all graphic design and related communications fields. Students develop abilities to think critically while working seamlessly across disciplines. In current and future iterations of the field, graphic designers must function as the "fusion" between art, business, engineering, research, and science.

Graduates of the Graphic Design named option programs will have experienced a range of forms and media that provides professional preparation, exhibition experience, as well as the development of unique intellectual and visual voice. Graduating students will also possess the flexibility to adapt to a changing, unpredictable world where the methods of communication will continuously evolve and expand.

The named option requirements listed here are components of the BS Art (https://guide.wisc.edu/undergraduate/education/art/art-bs/#requirementstext) degree requirements.

AESTHETICS REQUIREMENTS - GRAPHIC DESIGN OPTION

Code	Title	Credits
ART 108	Foundations of Contemporary Art (component of the Foundations Program)	3

ART 208	Current Directions in Art (component of the Foundations Program)	3
ART 438	History of Graphic Design and Typography	3
Select one additional courses from the following:		4
ART HIST 201	History of Western Art I: From Pyramids to Cathedrals	
ART HIST 202	History of Western Art II: From Renaissance to Contemporary	
ART HIST 205	Global Arts	

MAJOR REQUIREMENTS - GRAPHIC DESIGN OPTION

Complete a minimum of 45 studio credits, including the specific coursework below. No more than 58 studio credits will be counted toward the minimum 120 credits required for the BS degree. Thus, if a student wishes to graduate with the minimum of 120 credits, 62 of these credits must be "non-studio" coursework.

Major residency requirement: Students completing the BS degree must complete at least 24 credits of major studio coursework in residence on the UW–Madison campus. All graphic design coursework must be completed in residence.

Art and BFA degree students have priority access to studio courses. Note: Some courses are offered for 3 or 4 credits; it is preferred that the course be taken for 4 credits.

REQUIRED STUDIO FOUNDATION COURSES - GRAPHIC DESIGN OPTION

Complete the following:

Code	Title	Credits
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 212	Drawing Foundations	3

REQUIRED STUDIO BREADTH COURSES - GRAPHIC DESIGN OPTION

Complete one course in each of the Graphic Design, 2D, 3D, and 4D areas. Students will also take ART 508 at least once and complete a 500-level or 600-level art studio course in graphic design.

Graphic Design

Code	Title	Credits
ART 346	Basic Graphic Design	4

2D Studio

Select one of the following:

Code	Title	Credits
ART 222	Introduction to Painting	3-4
ART 232	Life Drawing I	4
ART 242	Watercolor I	3-4
ART 302	Color	4
ART 312	Intermediate Drawing I	3-4

3D Studio

Select one of the following:

Code	Title	Credits
ART 214	Sculpture I	4
ART 224	Ceramics I	4
ART 244	Art Metal I	3-4
ART 334	Wood Working	3-4
ART 343	Metal Fabrication and Welding in Sculpture	3-4
ART 354	Glassworking	4
ART 454	Neon: Light as Sculpture	4

4D Studio

Select one of the following:

Code	Title	Credits
ART 309	Digital Art and Code	4
ART 318	Introduction to Video, Performance & Installation Art	4
ART 338	Service Learning in Art	2
ART 409	Digital Fabrication Studio	4
ART 428	Digital Imaging Studio	4
ART 429	3D Digital Studio I	4
ART 470	Special Topics in 4D Art	3-4
ART 521	Installations and Environments	4
ART 531	Screen Performance	3-4

VISITING ARTIST LECTURE SERIES - GRAPHIC DESIGN OPTION

Complete the following:

Code	Title	Credits
ART 508	Colloquium in Art (Students are encouraged to enroll in this visiting artist lecture series multiple times)	1

ADDITIONAL STUDIOS - GRAPHIC DESIGN OPTION

Complete 12 Graphic Design elective credits from the following list, **to include at least one 500 or 600 level course.**

Code	Title	Credits
ART 333	Intro to Responsive Web Design	4
ART 356	Coding for Graphic Design	4
ART 458	Graphic Design for Branding and Identity	4
ART 463	Information Graphics	4
ART 465	Graphic Design for Packaging	4
ART 467	Graphic Design for Posters	4
ART 525	Advanced Typography	4
ART 546	Graphic Design for Publications	4
ART 556	Graphic Design for Interactive Media	4
ART 558	Product Development for Graphic Design	4

ART 560	Graphic Design Senior Thesis Project and Exhibition	4
ART 563	Graphic Design for Games	4
ART 564	Graphic Design for Accessibility	4
ART 565	Typeface Design	4
ART 568	Motion Typography	4
ART 575	User Experience for Graphic Design	4
ART 656	Design Portfolio and Professional Practice	4
ART 663	Graphic Design Practicum	2

ELECTIVE STUDIO COURSES

Select additional elective studio courses (https://guide.wisc.edu/courses/art/) to reach the minimum of 45 credits.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements are based on UW–Madison coursework.

- 2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- Cumulative major grade point average: 2.75 cumulative grade point average in all major studio coursework.
- Upper-level major coursework: 2.75 cumulative grade point average in all upper-level major coursework (Art courses numbered 214 and above, excluding ART 236 and ART 338).
- Major Residency: Must complete at least 24 credits of major coursework in the UW-Madison Art Department. All graphic design coursework must be completed in residence.
- Senior Residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total Credits: A minimum of 120 credits to include at least 62 non-studio credits are required for graduation in the Art–BS degree program.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Bachelor of Science in Art: Graphic Design Option

Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with your academic advisor(s) to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring)	3	Communication A (fall or spring)	3
ART 108	3	ART 208	3
ART 102	3	ART 104	3
ART 212	3	ART 107	3
ART 508	1	ART 508 (recommended)	1
Liberal Studies course work	2-5	Liberal Studies course work	2-5
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
ART 438 (Aesthetic course)	3	Aesthetic Elective	3-4
ART 346	4	Graphic Design Studio Elective	4
Art Studio Breadth course from 2D, 3D, or 4D categories	2-4	Ethnic Studies	3
Quantitative Reasoning A	3	Art Studio Elective Credits	1-4
Liberal Studies or General Elective course work	1-3	Liberal Studies or General Elective course work	4-6
	15		**15**

Junior

Fall	Credits	Spring	Credits
Art Studio Breadth course from 2D, 3D or 4D categories	4	Graphic Design Studio Elective	4

Art Studio Elective course work	2-4	Art Studio Breadth course from 2D, 3D or 4D categories	2-4
Communication B	3	Quantitative Reasoning B	3
Liberal Studies or General Elective course work	4-6	Liberal Studies or General Elective course work	4-6
	15		**15**

Senior

Fall	Credits	Spring	Credits
Studio Elective course work	3-4	Advanced (500/600 level) Graphic Design Studio Elective with assigned professional project	4
Liberal Studies, Studio or General Elective course work[1]	11-12	Liberal Studies, Studio or General Elective course work	11
	15		**15**

Total Credits 120

[1] At least 62 "non-studio" credits must be taken to complete the BS Art degree. Aesthetics courses are considered to be non-studio. No more than 58 studio credits can be applied toward the 120 credits.

GRAPHIC DESIGN, CERTIFICATE

The Graphic Design Certificate allows students from across campus, regardless of their major or degree program, to engage in a meaningful, rigorous sequence of coursework introducing them to the field of graphic design. Previous college coursework or job experience in art and design is very beneficial, but not required.

An inherently interdisciplinary practice, graphic design plays an important role at every level of contemporary culture. Graphic designers function as the "fusion" between art, business, engineering, research, and science fields. Students intending to pursue a career in graphic design should instead select the Graphic Design named option in either the BS-Art (https://guide.wisc.edu/undergraduate/education/art/art-bs/#text) or Art BFA (https://guide.wisc.edu/undergraduate/education/art/art-bfa/) degree program. Contact an advisor in the Art Department to explore the major.

Students must complete a required foundations course before being able to declare the certificate.

Due to the required sequencing of courses, a minimum of four semesters (excluding summers) are usually necessary to complete the certificate; please plan accordingly.

HOW TO GET IN

HOW TO GET IN

DECLARATION PROCESS

Students intending to complete the Graphic Design certificate can find the declaration form on the School of Education's Certificate Programs page (https://education.wisc.edu/academics/certificates/). The declaration for this certificate program can be submitted at any time during the academic year. At least four regular (non-summer) semesters remaining after declaring are required to complete the Graphic Design certificate on time.

ELIGIBILITY

Undergraduate students in good academic standing, with a cumulative GPA of 2.50 or higher, and who have completed either ART 102 2D Foundations or ART 107 Introduction to Digital Forms with a grade of B or higher, may declare this certificate. University Special students are also eligible to complete this certificate if they started at UW-Madison and graduated before completing the requirements.

Students participating in the Art–BS, Art Education, or Art–BFA degree programs may not declare this certificate. Auditors are also not eligible.

REQUIREMENTS

REQUIREMENTS

The Graphic Design Certificate requires a minimum of 18 credits as distributed below. At least 12 credits must be completed in residence in the Art Department. Study abroad credits do not count toward the residency requirement.

Completion of the certificate requires a 2.75 grade point average across all certificate coursework.

Code	Title	Credits
To declare the certificate, complete either course with a grade of B or better		
ART 102	2D Foundations (preferred)	3
or ART 107	Introduction to Digital Forms	
After certificate declaration, complete both courses		
ART 346	Basic Graphic Design	4
ART 438	History of Graphic Design and Typography	3
After completing ART 346 and ART 438, complete at least 8 additional credits from the following		**8**
ART 333	Intro to Responsive Web Design	
ART 356	Coding for Graphic Design	
ART 458	Graphic Design for Branding and Identity	
ART 463	Information Graphics	
ART 465	Graphic Design for Packaging	
ART 467	Graphic Design for Posters	
ART 525	Advanced Typography	
ART 546	Graphic Design for Publications	

ART 556	Graphic Design for Interactive Media	
ART 558	Product Development for Graphic Design	
ART 560	Graphic Design Senior Thesis Project and Exhibition	
ART 563	Graphic Design for Games	
ART 564	Graphic Design for Accessibility	
ART 565	Typeface Design	
ART 568	Motion Typography	
ART 575	User Experience for Graphic Design	
ART 663	Graphic Design Practicum	
Total Credits		**18**

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATE

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Correctly recognize and identify important eras, developments, movements, and theories in historical and contemporary design practice.
2. Recognize, develop and consistently employ the elements and principles of effective graphic design and typography in their own studio work, and will recognize it in the work of other artists.
3. Demonstrate technical and conceptual proficiency and will apply critical thinking skills in order to contextualize their practice in the contemporary design arena.
4. Understand the steps, tools, and skills necessary for participating in professional activities pertaining to graphic design and typography.
5. Develop a strong work ethic driven by both logical and inventive working process.

CURRICULUM AND INSTRUCTION

The Department of Curriculum and Instruction is one of the premier research and teaching departments devoted to understanding the complex world of teaching, learning, curriculum, and policy. Faculty pursue a diverse array of research combining experience in schools with expertise drawn from a range of disciplinary fields. This world-class research is the foundation of its work preparing future teachers and the next generation of educational researchers.

The department offers an undergraduate degree program in Elementary Education (p. 1567). Students interested in Elementary Education can pursue one of five dynamic certification options:

- Kindergarten through Ninth Grade (p. 1574) **-** Students completing this core program option will be certified to teach general education at the grade levels of K-9 and will also be eligible to teach in a 4K classroom.
- English as a Second Language (ESL) K-12 (p. 1578) and also Kindergarten through Ninth Grade (p. 1574) **-** A minor in English as a Second Language can be added to the core K-9 program. Students selecting this combination will be certified to teach general education at the grade levels of K-9 (including eligibility for 4K) and also English as a Second Language in grades K-12.
- Early Childhood Education (ECE) (p. 1565) and Kindergarten through Ninth Grade (p. 1574) **-** A minor in Early Childhood can also be added to the core K-9 program. Students selecting this combination will be certified to teach general education at the grade levels of K-9 (including eligibility for 4K) and also in Early Childhood (birth through grade 3).
- Kindergarten through Ninth Grade (p. 1574), and Early Childhood Education (p. 1565), and English as a Second Language K-12 (p. 1578) - Students may opt to complete both the ECE and ESL minors in combination with K-9 certification. Successful students receive certification in all three areas: general education in grades K-9 (including eligibility for 4K), Early Childhood (birth through grade 3), and also English as a Second Language in grades K-12.
- Kindergarten through Ninth Grade and also Special Education K-12 (Dual Certification) (p. 1681) - Students interested in both Elementary and Special Education should investigate the new Elementary Education and Special Education degree, housed in the Department of Rehabilitation Psychology and Special Education. Upon completion, students are certified in general education at the grade levels of K-9 (including eligibility for 4K), and also Special Education in grades K-12.

Three certificate programs, Arts and Teaching (p. 1555), Game Design (p. 1581), and Preparing to Teach Abroad (p. 1595), may be completed by undergraduates from across the campus.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

Undergraduate programs are offered in the areas listed below. Upon successful completion of a program leading to certification, candidates are certified in their respective subject and grade level and become eligible for a Wisconsin teaching license obtained through the Wisconsin Department of Public Instruction.

Note: Students at UW–Madison become certified to teach secondary English, Mathematics, Science, Social Studies, and World Languages only through graduate-level coursework, not as undergraduates. Information

about the Master's degree program is available at UW–Madison Teach (https://uwteach.education.wisc.edu/).

- Arts and Teaching, Certificate (p. 1555)
- Biology, Minor (p. 1557)
- Chemistry, Minor (p. 1558)
- Communication Sciences and Disorders, BSE (p. 1559)
- Early Childhood Education, Minor (p. 1565)
- Earth Science, Minor (p. 1565)
- Economics, Minor (p. 1566)
- Elementary Education, BSE (p. 1567)
- English as a Second Language, Minor (p. 1578)
- English Language Arts, Minor (p. 1578)
- English, Minor (p. 1580)
- Game Design, Certificate (p. 1581)
- Geography, Minor (p. 1582)
- History, Minor (p. 1584)
- Mathematics and Science Dual, Minor (p. 1588)
- Mathematics Specialized, Minor (p. 1591)
- Mathematics, Minor (p. 1591)
- Physics, Minor (p. 1592)
- Political Science, Minor (p. 1592)
- Preparing to Teach Abroad, Certificate (p. 1595)
- Psychology, Minor (p. 1597)
- Science Specialized, Minor (p. 1597)
- Social Studies, Minor (p. 1598)
- Sociology, Minor (p. 1607)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ARTS AND TEACHING, CERTIFICATE

The Certificate in Arts and Teaching is a great opportunity for undergraduate art-makers from all disciplines to incorporate teaching into their professional practice. The teaching artist is a valued professional in a range of learning settings from museums to theatre companies to providing support for school-based arts programs. We are excited to offer undergraduates from across campus the opportunity to learn about theories of teaching and learning, to work alongside future classroom teachers and other arts practitioners, and to get the opportunity to try out teaching artist work in a community-based learning setting. We also strongly encourage future teachers who want to meaningfully incorporate the arts into their teaching practice to be a part of the certificate program.

The program offers a range of experiences in introductory education and arts practice, including a teaching artist practicum. This program is for all student-artists, those who are majoring in the arts and those who practice their art form in their lives outside of the classroom. While you will not earn a teaching license to teach art in schools, the completion of this certificate will likely make you more competitive for jobs that require teaching experience in the arts, including afterschool programs, museum education, non-profit organizations, and private arts studios.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the Certificate in Arts and Teaching. Students should meet with the certificate advisor to discuss their intention to pursue the certificate. Appointments may be arranged via email. To declare the certificate, students must also complete the declaration form located on the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page.

REQUIREMENTS

REQUIREMENTS

The Certificate in Arts and Teaching requires the following course distribution for a minimum of 15 credits. At least 8 credits must be completed in residence. Students must complete two required courses, one course in Foundations of Teaching and Learning, and two courses from the Arts listing. Students are encouraged to take Arts courses that will broaden their artistic practice.

Completion of the certificate requires a minimum GPA of 2.0 in certificate coursework.

REQUIRED COURSES

Code	Title	Credits
CURRIC 328	Arts Integration for Teaching and Learning	3
CURRIC 329	Teaching Artist Practicum	3

FOUNDATIONS OF TEACHING AND LEARNING

Select 3 credits from the following:

Code	Title	Credits
CURRIC 209	Digital Media and Literacy	3
CURRIC 305	Integrating the Teaching of Reading with Other Language Arts	3
CURRIC 331	Taking Education Outside of School	3
CURRIC 364	Introduction to Education	3
ED PSYCH 301	How People Learn	3
ED PSYCH 320	Human Development in Infancy and Childhood	2-3
ED POL 200	Race, Ethnicity, and Inequality in American Education	3
ED POL 300	School and Society	3
ED POL 450	Rethinking "After-School" Education	3

ARTS COURSES

Select 6 credits from the following:

Code	Title	Credits
ART 100	Introduction to Art	3
ART 102	2D Foundations	3
ART 104	3D Foundations	3
ART 107	Introduction to Digital Forms	3
ART 108	Foundations of Contemporary Art	3
ART 112	Drawing for Non-Art Majors	3
ART 176	Digital Photography for Non-Art Majors	4
ART 208	Current Directions in Art	3
ART 212	Drawing Foundations	3
ART 214	Sculpture I	4
ART 222	Introduction to Painting	3-4
ART 224	Ceramics I	4
ART/DS 226	Textile Design: Off-Loom Construction	3
ART/DS 229	Textile Design: Weaving I	3
ART 232	Life Drawing I	4
ART 236	Bascom Course	3
ART 242	Watercolor I	3-4
ART 244	Art Metal I	3-4
ART 302	Color	4
ART 306	Relief Printmaking	3-4
ART 307	Making Comics 1	4
ART 309	Digital Art and Code	4
ART 312	Intermediate Drawing I	3-4
ART 314	Sculpture II	4
ART 316	Lithography	4
ART 318	Introduction to Video, Performance & Installation Art	4
ART 322	Intermediate Painting I	4
ART 324	Ceramics II	4
ART 326	Etching	4
ART 332	Life Drawing II	4
ART 334	Wood Working	3-4
ART 336	Serigraphy	3-4
ART 338	Service Learning in Art	2
ART/DANCE 341	Sound Design for the Performing and Visual Arts	3
ART 342	Watercolor II	4
ART 343	Metal Fabrication and Welding in Sculpture	3-4
ART 346	Basic Graphic Design	4
ART 348	Introduction to Digital Printmaking	4
ART 354	Glassworking	4
ART 356	Coding for Graphic Design	4
ART/THEATRE 366	Stage Lighting I	3
ART/THEATRE 372	Set Design I	3
ART 376	Darkroom Photography	4
ART 393	Internships in Art	1
ART ED 321	Introduction to Teaching Art	2
ART ED 323	Foundations in Art Education	3
ART ED 324	Methods in Art Education	3
DANCE 156	Movement as Material Through Improvisation	2
DANCE 131	Somatic Theory and Practices	2
DANCE 157	Introduction to Movement Analysis	2
DANCE 231	Introduction to Dance/Movement Therapy	3
DANCE 373	Introduction to Dance and Community	3
DS 341	Design Thinking for Transformation	3
ENGL 207	Introduction to Creative Writing: Fiction and Poetry Workshop	3
ENGL 307	Creative Writing: Fiction and Poetry Workshop	3
ENGL 407	Creative Writing: Nonfiction Workshop	3
ENGL 408	Creative Writing: Fiction Workshop	3
ENGL 409	Creative Writing: Poetry Workshop	3
M H R/ INTEGART 632	Introduction to Arts Entrepreneurship	3
M H R/ INTEGART 636	Entrepreneurship in Arts & Cultural Organizations	3
MUSIC 151	Basic Concepts of Music Theory	3
MUSIC 240	Interplay between Music, Art, and Society	3
MUSIC 497	Special Topics in Music	1-3
CURRIC/SLAVIC/ THEATRE 362	Drama for Teaching and Learning	3
THEATRE 150	Acting I: Introduction to Acting	3
THEATRE 200	Acting Skills for Life	2
THEATRE 219	Undergraduate Topics inTheatre and Drama	1-3
THEATRE 260	Producing Theatre	3
THEATRE 357	Introduction to Theatre for Cultural and Social Awareness	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Gain understanding of the theories of teaching and learning that guide informal learning environments
2. Experience a breadth of artistic practice, including those outside a student's primary artistic discipline
3. Develop a framework for arts teaching in informal learning environments

4. Create an arts program for an informal learning environment that integrates theories of teaching and learning with disciplinary arts practice

BIOLOGY, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

Students may wish to consult with a biology undergraduate advisor (http://biologymajor.wisc.edu/advising/) to discuss course selection and other issues related to this field of study. The Biology Major website (http://biologymajor.wisc.edu/) is also a good resource, providing information about areas of study within biology and upcoming biology-related activities on campus. Biology is offered as a major in both the College of Letters & Science and the College of Agricultural and Life Sciences.

Upon completion, the subject area of the minor will be posted on the UW-Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

The Biology minor requires a minimum of 24 credits. A minimum cumulative grade point average of 2.75 is required, based on all Biology minor coursework taken on the UW–Madison campus. Biocore sequence coursework may also be used to meet these requirements; consult with an advisor in Education Student Services.

Discipline-related course work is also required, but not calculated into the minor credits or GPA.

REQUIRED DISCIPLINE-RELATED COURSES

Code	Title	Credits
Select a minimum of 6 credits in Mathematics (MATH) and/or Statistics (STAT)		
Select one of the following:		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Select one of the following:		8-10
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	

MINOR REQUIREMENTS

Introductory Biology

Select one of the following options:

Code	Title	Credits
Option 1: [1]		
BIOLOGY/ ZOOLOGY 101	Animal Biology	3
BIOLOGY/ ZOOLOGY 102	Animal Biology Laboratory	2
BIOLOGY/ BOTANY 130	General Botany	5
Option 2:		
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
BIOLOGY/BOTANY/ ZOOLOGY 152	Introductory Biology	5

[1] Students earning Advanced Placement (AP) or International Baccalaureate (IB) Biology scores of 4 or above are given credit for BIOLOGY/BOTANY/ZOOLOGY 151 at UW–Madison. This course fulfills the entire 151–152 sequence. Students taking BIOLOGY/BOTANY/ZOOLOGY 151 coursework at UW–Madison or transfer it from another campus must complete both BIOLOGY/BOTANY/ZOOLOGY 151 and BIOLOGY/BOTANY/ZOOLOGY 152 to complete the 151–152 sequence.

Genetics

Code	Title	Credits
GENETICS 466	Principles of Genetics	3

Electives

Complete biology elective coursework from the approved lists to reach a minimum of 24 credits. The courses must be numbered 300 and above and include at least one course from two of the following three areas: (1) Ecology, Evolution, Genetics, (2) Cell and Molecular Biology, and (3) Physiology. Additional courses may, with the consent of an advisor, be selected to meet the elective requirements.

Area 1: Ecology/Evolution/Genetics

Code	Title	Credits
AN SCI 610	Quantitative Genetics	3
BOTANY 300	Plant Anatomy [1]	4
BOTANY 305	Plant Morphology and Evolution [1]	4
BOTANY 330	Algae	3
BOTANY/ PL PATH 332	Fungi [1]	4
BOTANY 400	Plant Systematics [1]	4

BOTANY 401	Vascular Flora of Wisconsin [1]	4
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology [1]	3
BOTANY 403	Field Collections and Identification [1]	1-4
BOTANY 422	Plant Geography	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin [1]	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology [1]	4
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
ZOOLOGY/ ENTOM 302	Introduction to Entomology [1]	4
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources [1]	2-3
ZOOLOGY/ENTOM/ M M & I/PATH-BIO 350	Parasitology	3
ZOOLOGY/ ENVIR ST/ F&W ECOL 360	Extinction of Species	3
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY/ BOTANY/ F&W ECOL 460	General Ecology [1]	4
ZOOLOGY/ ENVIR ST 510	Ecology of Fishes	3
ZOOLOGY/ ENVIR ST 511	Ecology of Fishes Lab [1]	2
ZOOLOGY/AN SCI/ F&W ECOL 520	Ornithology	3
ZOOLOGY/AN SCI/ F&W ECOL 521	Birds of Southern Wisconsin [1]	3
ENTOM 331	Taxonomy of Mature Insects [1]	4
ENTOM 468	Studies in Field Entomology [1]	3
GENETICS/ MD GENET 565	Human Genetics	3
GENETICS/ BIOCHEM/ MICROBIO 612	Prokaryotic Molecular Biology	3
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology	3
PLANTSCI 501	Principles of Plant Breeding	3
LAND ARC/ ENVIR ST 361	Wetlands Ecology [1]	3
PL PATH 300	Introduction to Plant Pathology [1]	4

[1] Courses are lab or field courses.

Area 2: Cell and Molecular Biology

Code	Title	Credits
MICROBIO 303	Biology of Microorganisms	3
M M & I/PATH-BIO 528	Immunology	3
BOTANY/ PL PATH 563	Phylogenetic Analysis of Molecular Data	3
PL PATH/M M & I/ ONCOLOGY 640	General Virology-Multiplication of Viruses	3
GENETICS/ BIOCHEM/ MICROBIO 612	Prokaryotic Molecular Biology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 570	Cell Biology	3

Area 3: Physiology

Code	Title	Credits
BOTANY 500	Plant Physiology	3-4
ZOOLOGY 611	Comparative and Evolutionary Physiology	3
ZOOLOGY 612	Comparative Physiology Laboratory [1]	2
ANAT&PHY 335	Physiology [1]	5

[1] Courses are lab or field courses.

CHEMISTRY, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Chemistry is housed in the College of Letters & Science. Students may wish to consult with a chemistry undergraduate advisor (http://www.chem.wisc.edu/content/undergraduate-advising/) to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs.

To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

PREREQUISITES

While there are no specific course requirements for declaring the minor, students can expect to take some of these courses before being eligible for enrolling in the minor coursework:

Code	Title	Credits
CHEM 341	Elementary Organic Chemistry	3
CHEM 343	Organic Chemistry I	3
MATH 222	Calculus and Analytic Geometry 2	4
PHYSICS 201	General Physics	5
or PHYSICS 207	General Physics	
PHYSICS 247	A Modern Introduction to Physics	5

Prerequisite coursework may be used to meet liberal studies requirements.

REQUIREMENTS

REQUIREMENTS

PREREQUISITE COURSEWORK

Students must complete prerequisite coursework (p. 1558) before enrolling in some of the required courses for minor.

MINOR REQUIREMENTS

A minimum cumulative grade point average of 2.75 is required, based on all chemistry minor coursework taken on the UW–Madison campus.

Complete at least 22 credits, including the following:

Code	Title	Credits
Introductory Chemistry		
Select one of the following:		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115	Chemical Principles I	
Analytical Chemistry		
Select one of the following:		4-5
CHEM 327	Fundamentals of Analytical Science	
CHEM 329	Fundamentals of Analytical Science	
CHEM 116 & CHEM 115	Chemical Principles II and Chemical Principles I	
Organic Chemistry		
Select one of the following options:		7-8
Option 1:		
CHEM 341	Elementary Organic Chemistry	
CHEM 342	Elementary Organic Chemistry Laboratory	
BIOCHEM 501	Introduction to Biochemistry	
Option 2:		
CHEM 343	Organic Chemistry I	
CHEM 344	Introductory Organic Chemistry Laboratory	
CHEM 345	Organic Chemistry II	
Inorganic Chemistry		**4**
CHEM 311	Chemistry Across the Periodic Table	
Physical Chemistry		**3**
CHEM 561	Physical Chemistry I	
or CHEM 665	Biophysical Chemistry	
Electives		
Complete Chemistry electives to total 22 credits [1]		

[1] CHEM 346 Intermediate Organic Chemistry Laboratory is recommended. BIOCHEM 501 Introduction to Biochemistry, CIV ENGR 500 Water Chemistry, CBE 440 Chemical Engineering Materials, CBE 540 Polymer Science and Technology, are also recommended elective options.

COMMUNICATION SCIENCES AND DISORDERS, BSE

Admission to the Communication Sciences and Disorders BSE was suspended in the fall of 2023, and the program will be discontinued as of fall 2026. If you have any questions, please contact the department. Students must complete their degree requirements no later than the summer of 2026.

UW–Madison continues to offer an undergraduate degree in Communication Sciences and Disorders (https://csd.wisc.edu/undergraduate/) through the College of Letters and Science.

HOW TO GET IN

HOW TO GET IN

Admission to the Communication Sciences and Disorders BSE was suspended in the fall of 2023, and the program will be discontinued as of fall 2026. If you have any questions, please contact the department.

PROGRAM ADMISSION OVERVIEW

The School of Education's Communication Sciences and Disorders program currently accepts students during both fall and spring semesters. Prospective applicants typically begin taking the three-course "gateway course" sequence (detailed below) as sophomores.

ENTERING THE SCHOOL OF EDUCATION

Admission to the School of Education as a "Pre-Professional" Student

New freshmen and transfer students interested in communication sciences and disorders are admitted directly to the School of Education with a "pre-professional" classification. This classification indicates that a student is interested in a program offered by the school, but has not applied and been admitted to the professional program. Students interested in communication sciences and disorders receive the "pre-professional" classification of PRS.

On-campus students wishing to be admitted to the school while working on eligibility requirements and application can apply for admission to the school by completing a Pre-Professional Application (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A

minimum GPA of 2.5, based on UW–Madison coursework, is required to transfer into the school. This GPA may be modified by the Last 60 Credits rule (detailed below (p. 1560)). It is not necessary to be a "pre-professional" student before applying to a professional program.

It is strongly recommended that students interested in a School of Education program meet with an academic advisor in the School of Education Student Services office, 139 Education Building, 1000 Bascom Mall. Students may call 608-262-1651 to schedule an appointment with an advisor.

Transfer Students

Applicants not already enrolled on the UW–Madison campus must be admissible to the university to enroll in a School of Education program. Admission to UW–Madison requires a separate application and admission process. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information. Prospective transfer students are strongly advised to meet with an advisor in the School of Education Student Services office in advance of their application; to schedule, call 608-262-1651.

Students with a Previous Degree

Prospective applicants who already hold an undergraduate degree are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their application. Consultations with advisors are available in person or via telephone; to schedule, call 608-262-1651.

Applicants who already hold an undergraduate degree are admitted to the School of Education as either an *Education Special student* or a *second degree student*, depending on their interests and academic background. Admission as an Education Special student indicates that the student has an interest in pursuing certification in a subject area studied during the initial degree; another degree is not awarded for this "certification only" coursework. Second degree students are seeking a second, unrelated degree from the School of Education, which may, or may not, include teacher certification. Candidates for limited enrollment programs must meet all admission eligibility requirements for the program and must compete with the eligible applicants for program admission. More information is available here (p. 1494).

APPLICATION AND ADMISSION

The communication sciences and disorders degree program currently accepts students during both fall and spring semesters. Requirements and selection criteria may be modified from one application/admission period to the next.

Criteria for Program Admission

Eligibility for consideration requires:

- Fifty-four (54) or more transferable semester credits (junior standing) completed by the end of the semester prior to admission. Students can first apply during the semester that they will be completing 54 or more credits.
- A cumulative grade-point average of at least a 2.75 (on a 4.0 scale) based on all college-level coursework attempted (as modified by the Last 60 Credits Rule; see below). Grade-point averages are calculated from both Madison campus coursework and coursework taken at any other colleges or universities.[1]
- Completion of the "gateway courses," CS&D 201 Anatomy and Physiology of Speech Production (3 cr), CS&D 202 Hearing Science (3 cr), and CS&D 240 Language Development in Children and Adolescents (3 cr). If any "gateway" courses were taken on another campus, then the first three Communication Sciences and Disorders courses taken at UW–Madison become the "gateway" courses.
- A minimum 3.0 GPA across CS&D 201, CS&D 202, and CS&D 240 the first time these courses are attempted. If any "gateway" course was taken on another campus, students must earn a minimum 3.0 GPA on the first three communication and sciences disorders courses taken at UW–Madison. Note that "gateway" courses may **not** be repeated for the purpose of raising the student's "gateway" course GPA.
- A cumulative GPA of at least a 3.0 on all major coursework completed to date, excluding CS&D 110 Introduction to Communicative Disorders.
- Completed program application (see details below).
- Note: In previous years, applicants to teacher education programs were required to submit scores from one of the following exams: ACT, SAT, Praxis I/PPST, Praxis Core, or GRE. Under emergency rules announced by the Wisconsin Department of Public Instruction, no applicants need to submit scores for any exam as a component of their application to this program. The exam requirement was officially removed by the School of Education on November 15, 2017.

[1] A comprehensive cumulative GPA of all college-level, transferrable coursework attempted on both the UW–Madison campus coursework and coursework taken at any other colleges or universities may be calculated for the exclusive purpose of establishing an applicant's eligibility for consideration. Both the comprehensive cumulative GPA and the comprehensive cumulative GPA based on a student's last 60 credits may be calculated. See Last 60 Credits Rule (detailed below). If admitted, students must earn the minimum cumulative GPA for UW–Madison coursework established by their program and the School of Education each semester after admission.

Last 60 Credits Rule

Two grade point averages will be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

Application Procedures

Submit completed program application materials specified on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page. Official transcripts from all other colleges or universities attended are required. Applications cannot be processed unless a complete academic record is presented for consideration.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The School of Education undergraduate degree provides students with a conceptual background in the field of communication sciences and disorders and includes five categories of coursework:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Major* coursework offers in-depth study of foundations for clinical practice.
- *Discipline-related* coursework supports the major coursework.
- *Education* coursework examines many aspects of the educational enterprise, including child development and learning, societal expectations of schools and instruction, and teaching methods.
- *Elective* coursework is taken to meet the minimum of 120 credits required for the degree.

The School of Education's Bachelor of Science degree in Communication Sciences and Disorders is one path toward eventual clinical practice, though a graduate degree is required for licensure. Thus, students must plan on graduate studies if they intend to pursue Wisconsin State licensure. Not all students eligible for admission to the undergraduate degree program can be accepted to the Master's degree program on this campus. Many students obtain their undergraduate degrees from UW–Madison and complete their Master's degree and licensing requirements at another institution.

MAJOR REQUIREMENTS

Complete all the courses listed below. At least 15 credits of upper-level major coursework (courses number 300–699) must be taken in residence on the UW–Madison campus for graduation.

Students must complete the three "gateway" courses—CS&D 201, CS&D 202, and CS&D 240—to be eligible for admission. Prospective applicants typically begin taking the three-course "gateway" sequence as sophomores. A grade point average of 3.0 or better must also be earned across these three courses the first time these courses are attempted.

Code	Title	Credits
CS&D 201	Anatomy and Physiology of Speech Production	3
CS&D 202	Hearing Science	3
CS&D 210	Neural Basis of Communication	3
CS&D 240	Language Development in Children and Adolescents	3
CS&D 303	Speech Acoustics and Perception	3
CS&D 315	Phonetics and Phonological Development	3
CS&D 318	Voice, Craniofacial, and Fluency Disorders	3
CS&D 320	Introduction to Audiology	3
CS&D 371	Pre-Clinical Observation of Children and Adults	3
CS&D 425	Auditory Rehabilitation	3
CS&D 440	Child Language Disorders, Assessment and Intervention	3

DISCIPLINE-RELATED COURSEWORK

The Communication Sciences and Disorders program requires both major and related coursework. Related coursework is mandatory, but not considered part of the major or calculated into the major grade point average. This coursework may be used to satisfy Liberal Studies requirements, if appropriate.

Note: The American Speech-Language-Hearing Association (ASHA) standards now specify that a course in each of the following areas is required for ASHA certification.

- Biological sciences
- Physical sciences (chemistry or physics)
- Statistics
- Social/behavioral sciences

Code	Title	Credits
Required Course		
RP & SE 300	Individuals with Disabilities	3
Select a statistics course; the following are recommended:		**3-4**
STAT 301	Introduction to Statistical Methods	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
STAT 371	Introductory Applied Statistics for the Life Sciences	
PSYCH 210	Basic Statistics for Psychology	
SOC/ C&E SOC 360	Statistics for Sociologists I	
Humanities		**3**
Select one of the following:		
ENGL 314	Structure of English	
ENGL 316	English Language Variation in the U.S.	
LINGUIS 101	Human Language	
LINGUIS/ ANTHRO 301	Introduction to Linguistics: Descriptive and Theoretical	
Ethnic Studies		**3-4**
Select one of the following:		
ANTHRO 104	Cultural Anthropology and Human Diversity	
ASIAN AM 101	Introduction to Asian American Studies	
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	
SOC 134	Sociology of Race & Ethnicity in the United States	
SOC/ ASIAN AM 220	Ethnic Movements in the United States	
Science		**3-4**
Select one of the following:		
ANTHRO 105	Principles of Biological Anthropology	
PHYSICS 103	General Physics	
PHYSICS 109	Physics in the Arts	
GEN&WS 103	Gender, Women, Bodies, and Health	
BIOLOGY/ ZOOLOGY 101	Animal Biology	

EDUCATION COURSEWORK

Code	Title	Credits
Development		**3**
Select one of the following (minimum 3 credits):		
ED PSYCH 320	Human Development in Infancy and Childhood	
ED PSYCH 321	Human Development in Adolescence	
PSYCH 460	Child Development	
Learning		
ED PSYCH 301	How People Learn (minimum 3 credits)	3
Educational Policy Studies		
ED POL 300	School and Society (minimum 3 credits)	3
Literacy, including Reading		
CURRIC 305	Integrating the Teaching of Reading with Other Language Arts	3
Additional Education Coursework		**3**

Select 3 credits in School of Education electives. Required School of Education courses may not be applied toward this requirement.

ELECTIVE COURSEWORK

Select additional coursework to reach the minimum of 120 credits.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements below are based on UW–Madison coursework.

- 2.75 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average in all major coursework
- 2.75 cumulative grade point average in all upper-level (300–699) major coursework
- 2.75 cumulative grade point average in all education coursework
- Major Residency. Degree candidates must complete at least 15 credits of upper-level major coursework (300–699) in residence on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus. Practicum work is considered part of the 30 credits.
- 40-Credit Rule. Students may not count more than 40 credits from one department within the 120 degree credits needed for graduation. For example, if 42 credits of coursework have been completed from the Department of Communication Sciences and Disorders, the student will need 122 credits to graduate. CS&D 110 does not count toward the 40 credits.
- 120 credits required for graduation.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

ADDITIONAL INFORMATION REGARDING CERTIFICATION

A Master's degree in Speech-Language Pathology (Communication Sciences and Disorders) is required to work as a public school speech-language pathologist in Wisconsin, and most states. The Master's degree prepares graduates to function competently and independently in public school programs, hospitals, rehabilitation centers, birth-to-three programs, or clinics. At UW-Madison the Bachelor of Science degree can be earned in the School of Education and the Master's degree is earned in the Department of Communication Sciences and Disorders, part of the College of Letters & Science. Student teaching and other professional education courses will be taken while earning the Bachelor's and Master's degrees. Not all students who apply for admission can be accepted into the Master's degree program.

For detailed information about the Master's program, see the Communication Sciences & Disorders Guide page (https://guide.wisc.edu/graduate/communication-sciences-disorders/communication-sciences-disorders-ms/) and the departmental website (https://csd.wisc.edu/masters/).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Ability to successfully integrate subject knowledge and pedagogy knowledge flexibly in authentic situations through field experiences with secondary students under the supervision of highly qualified, experienced teachers and university supervisors.
2. Students will be prepared for recommendation for initial licensure in the state of Wisconsin and beyond in accordance with state standards.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Communication Sciences and Disorders: Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report and the Course Guide to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Quantitative Reasoning A	3	CS&D 201 or 202	3
Liberal Studies course work	9-12	Ethnic Studies (from discipline-related course list)	3
		RP & SE 300	3
		Liberal Studies course work	3-6
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
CS&D 202 or 201	3	CS&D 210	3
CS&D 240	3	Statistics (from discipline-related course list)	3
Choose one of:	3	Liberal Studies or General Elective course work	9
ED PSYCH 320			
ED PSYCH 321			
PSYCH 460			
Quantitative Reasoning B	3		
Science (from discipline-related course list)	3		
	15		**15**

Junior

Fall	Credits	Spring	Credits
CS&D 303	3	CS&D 318	3
CS&D 315	3	CS&D 440	3
CS&D 320	3	ED POL 300	3
Linguistics (from discipline-related course list)	3	CURRIC 305 (also meets Communication B)	3
Liberal Studies or General Elective course work	3	Liberal Studies or General Elective course work	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Liberal Studies or General Elective course work	12	CS&D 371	3
ED PSYCH 301	3	CS&D 425	3
		School of Education Elective	3
		Liberal Studies or General Elective course work	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

COMMUNICATION SCIENCES AND DISORDERS ADVISING

Students must consult with an undergraduate advisor in the Department of Communication Sciences and Disorders as soon as a decision has been made to major in this field. Course sequencing in the major is not flexible—certain courses are requisites to others, and many courses are offered only once a year. Please visit the department's website (https://csd.wisc.edu/undergraduate.htm) for details on advising and advisors.

Current CS&D majors in the School of Education may wish to consult with advising staff in the School of Education Student Services office; schedule online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person at 139 Education Building.

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments

can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

EARLY CHILDHOOD EDUCATION, MINOR

Students with a special interest in teaching young children should consider this minor, which leads to certification from birth through grade 3.

The Early Childhood Education (ECE) minor was designed to be completed in tandem with the Elementary Education (p. 1567) certification program; only students also completing Elementary Education may declare this minor.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education program. The declaration is made at the time of program application.

REQUIREMENTS

REQUIREMENTS

Complete the following course work in addition to the degree requirements of Elementary Education. Certification in Early Childhood Education requires the completion of the Elementary Education degree program. These courses will also fulfill the elective credits required for Elementary Education.

Code	Title	Credits
CURRIC 660	Foundations of Early Childhood Education	3
CURRIC 663	Learning Environments for Initial Education Programs	3
Total Credits		**6**

EARTH SCIENCE, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

Students may wish to consult with an advisor in the School of Education Student Services office, 139 Education Building, to discuss course selection and other issues related to this field of study. Current students can schedule a Student Services appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, (studentservices@education.wisc.edu) by calling 608-262-1651, or in person.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs.

To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 24 credits from the following departments: Astronomy (https://guide.wisc.edu/courses/astron/), Atmospheric and Oceanic Sciences (https://guide.wisc.edu/courses/atm_ocn/), Geoscience (https://guide.wisc.edu/courses/geosci/), and Geography (https://guide.wisc.edu/courses/geog/). Only Geography courses designated as Physical Science may be used toward the minor requirements. At least 10 credits of the 24 credits must be numbered 200 or above. A minimum 2.75 grade point average is required, based on all UW–Madison coursework included in this minor.

ECONOMICS, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Economics is housed in the College of Letters & Science. Students may wish to consult with an economics undergraduate advisor to discuss course selection and other issues related to this field of study. Academic advising (https://econ.wisc.edu/undergraduate/find-academic-advising/) is available in Room 7238 of the Social Science Building. Email: econadvise@ssc.wisc.edu. (econadvise@ssc.wisc.edu)

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

The Economics minor requires a minimum of 24 credits. A minimum cumulative grade point average of 2.75 is required, based on all Economics minor coursework taken on the UW–Madison campus.

Students completing the Economics minor will need calculus as a prerequisite to the required minor coursework. Mathematics coursework may be applied toward the liberal studies requirement.

Code	Title	Credits
Introduction to Microeconomics and Macroeconomics		
Complete one of the following:		4-7
ECON 101 & ECON 102	Principles of Microeconomics and Principles of Macroeconomics	
ECON 111	Principles of Economics-Accelerated Treatment	
Intermediate Microeconomic Theory		**3-4**
ECON 301	Intermediate Microeconomic Theory	
or ECON 311	Intermediate Microeconomic Theory - Advanced Treatment	
Intermediate Macroeconomic Theory		**3-4**
ECON 302	Intermediate Macroeconomic Theory	
or ECON 312	Intermediate Macroeconomic Theory - Advanced Treatment	
Statistics		
Select one of the following, or an approved substitute:		3-4
ECON 310	Statistics: Measurement in Economics (preferred)	
STAT 301	Introduction to Statistical Methods	
STAT/MATH 309	Introduction to Probability and Mathematical Statistics I	
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	
Economics Elective		
Select one of the following (ECON 330 or 464 are preferred):		3-4
ECON 330	Money and Banking	
ECON 464	International Trade	
ECON 410	Introductory Econometrics	
ECON 441	Analytical Public Finance	
ECON 448	Human Resources and Economic Growth	
ECON 450	Wages and the Labor Market	
ECON 467	International Industrial Organizations	
ECON 468	Industrial Organization and Imperfect Competition	
ECON 475	Economics of Growth	
ECON 521	Game Theory and Economic Analysis	
ECON 522	Law and Economics	
ECON/ POP HLTH/ PUB AFFR 548	The Economics of Health Care	
ECON 664	Issues in International Trade	
ECON 666	Issues in International Finance	
If needed, additional Economics coursework to reach the minimim of 24 credits.		

ELEMENTARY EDUCATION, BSE

Elementary Education graduates receive a bachelor's degree, teacher certification in grades K-9, and an outstanding preparation to enter one of the most important careers ever: teaching young children! Our program prides itself on preparing successful educators in a socially just and equitable manner, and job placement is exceptionally high.

The Elementary Education professional sequence is a two-year commitment, typically starting in the fall of the junior year, although some courses may be taken in the sophomore year. Coursework and field experiences lead to the capstone experience of student teaching.

Our graduates become teacher leaders committed to teaching all children effectively and advancing justice through classroom practices, personal interactions, and community engagement. We teach research-based practices that assist teachers throughout their careers in education.

Students are encouraged to get involved as soon as they arrive on campus, and we have a variety of ways for this to happen. Many education-related courses are open to freshmen and sophomores. The School of Education's Buddy Program, in which new students are paired with a junior or senior in the program, helps students find a supportive community on our Big Ten campus. Many students volunteer in local schools and community organizations, including Schools of Hope (https://schoolsofhope.org/). We also welcome you to join our active chapter of Aspiring Educators (https://www.facebook.com/AspiringEducatorsUWMadison/), a pre-professional educators association.

UW–Madison's Elementary Education program trains teachers to recognize, appreciate, and value the wide range of gifts diverse students bring to our increasingly multicultural, complex world.

See what an elementary education professor and a teacher candidate have to say about the Elementary Education Program (https://www.youtube.com/watch/?v=uCKP1VGrC3k) at UW–Madison.

CERTIFICATION OPTIONS

The Elementary Education area offers five certification options, giving students many choices as they plan their career paths. All certification options are designed to be completed in four semesters after program admission and some classes may be taken prior to starting the professional sequence. Students are admitted once a year and begin the four-semester professional sequence in the following fall. Notification of admission takes place in the spring and is effective in the summer.

- Kindergarten through Ninth Grade (p. 1574) - Students completing this core program option will be certified to teach general education at the grade levels of K-9 and will also be eligible to teach in a 4K classroom.
- English as a Second Language (ESL) K-12 (p. 1578) and Kindergarten through Ninth Grade - A minor in English as a Second Language can be added to the core K-9 program. Students selecting this combination will be certified to teach K-9 and English as a Second Language in grades K-12. Only fluency in English is needed to teach ESL.
- Early Childhood Education (ECE) (p. 1565) and Kindergarten through Ninth Grade - A minor in Early Childhood can also be added to the core K-9 program. Students selecting this combination will be certified to teach K-9 and Early Childhood Education from birth through Grade 3.
- Kindergarten through Ninth Grade, and Early Childhood Education, and English as a Second Language K-12 - Students may opt to complete both the ECE and ESL minors in combination with K-9 certification. Successful students receive certification in all three areas.
- Kindergarten through Ninth Grade and Special Education K-12 (Dual Certification) (p. 1681) - Students interested in both Elementary and Special Education should investigate the new Elementary Education and Special Education degree housed in the Department of Rehabilitation Psychology and Special Education. Upon completion, students are certified in K-9 general education and Special Education in grades K-12.

THE TEACHER PLEDGE

The School of Education at UW–Madison currently offers a very unique financial opportunity for students in the Elementary Education program called the Teacher Pledge (https://tec.education.wisc.edu/teacher-pledge/). The School pledges to pay the equivalent of in-state tuition and fees for all teacher education students. In return, Elementary Education students pledge to work at a Wisconsin PreK-9 school for three to four years after graduation, depending on the location.

MADISON COLLEGE TRANSFER AGREEMENT

Madison College students should also investigate the new transfer agreement (https://tec.education.wisc.edu/become-a-teacher/uw-madison-school-of-education-transfer-agreement/) between Madison College and UW–Madison. Students meeting the requirements of this agreement are guaranteed admission to UW–Madison's School of Education and to Elementary Education.

"My instructors play a huge role in helping me become the person that I am today. They value who I am as a person and a learner, and through their influences and passion for teaching students of color, I have been inspired to do the same."

- Mai Ya Her, UW–Madison Elementary Education

HOW TO GET IN

HOW TO GET IN

Students typically enter UW–Madison as Pre-Elementary Education students (PRE) and spend the first two years completing liberal studies, general education, and some of the professional education requirements. Elementary Education is declared during the sophomore year for the final two years on campus.

On-campus students starting at UW-Madison in other majors can move to Pre-Elementary Education by completing a Pre-Professional Declaration (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A GPA of 2.50, based on all UW–Madison coursework or the last 60 credits (https://guide.wisc.edu/undergraduate/education/#policiesandregulationstext), is required to transfer into Pre-Elementary Education. It is not necessary to be a Pre-Elementary Education student before declaring the Elementary Education major.

ELIGIBILITY TO DECLARE ELEMENTARY EDUCATION

Elementary Education currently accepts declarations once a year, usually from December 1 – February 1. This period may be extended if additional spaces are available after the initial deadline. The on-campus declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page, along with information about the declaration period, deadline, and current admission requirements. Students should consult this site prior to submitting a declaration, as this information may be modified from one declaration period to the next.

Off-campus students wishing to transfer directly into Elementary Education should complete the on-campus declaration and must also be admitted to UW-Madison. See Transfer Students and Students with a Bachelor's Degree, below.

Elementary Education students are admitted to the program once a year, effective in the summer. Selection is made the previous spring and students begin the four-semester professional sequence in the subsequent fall semester.

Current Eligibility Requirements:

- Earn 40 or more total credits by the end of the fall semester of the declaration year.
- Submit completed program declaration form(s), transcripts, and all other related declaration materials by the declaration deadline specified on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page.
- While no minimum gpa is required to apply for program admission, students should be aware of the 2.75 gpa required for graduation.

Students will be provisionally admitted pending the completion of all eligibility requirements by the end of the spring semester of the declaration year.

TRANSFER STUDENTS AND STUDENTS WITH A PREVIOUS DEGREE

Transfer students and students who already hold a bachelor's degree must be admitted to UW-Madison to enroll in a School of Education program. Admission to the campus has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for campus application information.

Students wishing to enter directly into Elementary Education should complete both the on-campus declaration and the UW-Madison application. All eligibility requirements must be met. Transfers who do not meet the declaration eligibility criteria will be admitted to UW-Madison with the Pre-Elementary Education designation.

An applicant with a previous undergraduate degree will be admitted to Elementary Education as a second degree candidate or as a School of Education "Special Student," depending on their academic background.

Second degree candidates in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first. A large number of credits are usually required to complete the new degree requirements and a second degree is awarded upon its completion; more information is available here (https://guide.wisc.edu/undergraduate/education/#policiesandregulationstext). Almost all students returning to pursue Elementary Education will be candidates for a second degree.

Admission as an Education Special Student indicates that the student has an interest in pursuing teacher certification in Elementary Education and studied this subject area extensively during their initial degree. This is rarely the case, however. A student enrolls in Elementary Education as a Special Student to complete the requirements that were not taken during the first degree; these are assessed on a case by case basis. Another degree is not awarded for this "certification only" coursework.

All off-campus students are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations are available in person, virtually, or via telephone; email soeacademicservices@education.wisc.edu or call 608-262-1651 to schedule an appointment.

BACKGROUND CHECKS

Pursuant to State of Wisconsin law PI 34.018(2), the School of Education is required to administer a background check on all students entering teacher education programs. This check is intended to determine if the applicant has engaged in any behavior that endangers the health, welfare, safety, or education of PK-12 pupils. Local school districts frequently conduct background checks on teacher education students prior to the start of their in-classroom field work, and the Department of Public Instruction (DPI) will also conduct a background check on each applicant for a Wisconsin educator license.

Students should be aware that background checks may be initiated by other agencies or organizations when they are seeking employment or a professional license. School administrators have the authority to determine the appropriateness of a student placement and may choose not to permit a placement based on a student's background check results.

An individual who has been deemed ineligible to participate in field or clinical experiences based on the results of their background check may not be able to complete the requirements for their degree or certification. Students with questions about these processes should contact the Teacher Education Center, tec@education.wisc.edu.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

Students of Elementary Education:

- Are exposed to a broad range of academic disciplines through *liberal studies* course work. The university-wide *General Education* requirements also encourage this breadth of study.
- Examine schools' relationship to society, the development of children and adolescents, and the processes of learning in their *education course work*.
- Study teaching methods and gain experience in schools through supervised field placements during their four-semester *professional sequence*.
- Complete *elective* coursework to reach the minimum of 120 credits required for the degree.

Practicum experiences provide a school-based setting for students to develop their professional and classroom skills. These part-time experiences generally begin a few weeks after the start of the semester and are approximately nine weeks in length. Concurrent registration in methods courses provide students with an opportunity to learn about, and then apply, teaching techniques in a classroom.

The *full-semester student teaching assignment* is the capstone experience of the professional sequence. Through it students expand upon the activities, responsibilities and expectations encountered during the practicum experiences. Student teachers will function as regular staff members in their assigned schools and also attend a seminar on campus one afternoon each week. Student teachers are required to follow the school day, school calendar, vacation days and policies of the school where they work.

PROGRAM OPTIONS - SELECT ONE

View as listView as grid

- **ELEMENTARY EDUCATION: KINDERGARTEN - 9TH GRADE (P. 1574)**

ELECTIVE COURSEWORK

Complete additional courses as necessary to reach the minimum of 120 credits required for the degree.

GPA AND OTHER GRADUATION REQUIREMENTS–REQUIRED FOR ALL PROGRAM OPTIONS

GRADUATION REQUIREMENTS

Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Requirements below are based on UW–Madison coursework.

- 2.75 cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average across all professional education courses (excluding practicum and student teaching).
- 2.75 cumulative grade point average in the major.
- 2.75 cumulative grade point average in the minor, if required.
- Minimum 120 credits (degree candidates only).
- Major residency: Degree candidates must complete at least 15 credits of upper-level major coursework (numbered 300–699) in residence on the UW–Madison campus.
- Senior residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus. Student teaching and practicum are considered part of the 30 credits.

DEGREE AUDIT REPORTING SYSTEM (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

ADDITIONAL CERTIFICATION REQUIREMENTS AND APPLYING FOR A LICENSE

In addition to completing UW–Madison's program requirements, students must also complete Wisconsin statutory requirements and certification requirements established by the Wisconsin Department of Public Instruction. Many of these requirements are embedded within the program's requirements and require no additional attention. The endorsement of the program coordinator/faculty is also required to receive certification through UW–Madison.

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license.

Detailed information about certification requirements and applying for a license is available under Certification/Licensure. (https://guide.wisc.edu/undergraduate/education/curriculum-instruction/elementary-bse/#certificationlicensuretext)

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Create and implement developmentally appropriate and challenging learning experiences that reflect high expectations for every learner, supporting learners to (1) develop deep understanding of content areas and their connections, and (2) apply understanding in meaningful ways.
2. Select and/or create and sequence individually supportive and challenging learning experiences that reflect knowledge of individual learners, curriculum, pedagogies, and relevance to all learners and their families.
3. Use a variety of teaching strategies, and evidence-based technologies and information resources to engage learners in meaningful learning activities that lead to content knowledge, critical thinking, creativity,

innovation, self-evaluation, and self-directed learning. Use evidence to continually evaluate the effectiveness of these practices, and adjust these as needed to improve learner outcomes.

4. Collaborate with others to create supportive, inclusive, linguistically responsive, and safe learning environments that help all learners meet high standards and reach their full potential.
5. Choose, modify, and/or create multiple forms of unbiased formative and summative assessments to measure each learner's progress toward instructional goals. Use assessment data gathered to respond to each learner's strengths and needs in relation to short and long-term goals. Reflect on and justify planning decisions and ground one's justifications in knowledge of learners, development, curriculum, pedagogies, and resources.
6. Use studies completed in science and mathematics, social sciences, the humanities, histories, languages, and the arts to inform and deepen their teaching of content areas and meeting learners' needs.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Four-year plans related to different certification options are located under the Kindergarten - 9th Grade program option.

ADVISING AND CAREERS

ADVISING AND CAREERS

ELEMENTARY EDUCATION ADVISING

Students not yet admitted to Elementary Education meet with their assigned advisor in the School of Education Student Services office (see below). Students are assigned an additional departmental advisor when admitted to the professional component of their degree program.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values – the commitment to the truth, shared participation in decision-making, and service to local and global communities – the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

ELEMENTARY EDUCATION AND THE WISCONSIN EXPERIENCE

Learning from Current Practitioners

Teacher candidates in the elementary education program have multiple field experiences in K-9 schools, culminating in a full-time student teaching experience sharing a classroom with a cooperating teacher. The connection between the teacher candidate, their field supervisor, and the

cooperating classroom teacher in the Madison-area schools provides a high level of support for our students from the first day forward. Many of our graduates end up being offered teaching positions by the schools in which they did their fieldwork.

Partnering with Community Organizations

The elementary education team partners with non-profit organizations and area businesses. Our teacher candidates:

- Volunteer with Girls on the Run (https://www.girlsontherunscwi.org/), Schools of Hope (https://schoolsofhope.org/), Centro Hispano (https://www.micentro.org/voluntreer/), Madison Literacy Network (https://www.litnetwork.org/volunteer/), and Badger Volunteers - Tutoring and Mentoring (https://morgridge.wisc.edu/get-connected-students/badger-volunteers-math-mentoring-and-tutoring-programs/)
- Work at the Cooperative Children's Book Center (CCBC) (https://ccbc.education.wisc.edu/), MERIT Library (https://merit.education.wisc.edu/), Badger Precollege (https://precollege.wisc.edu/), and Red Caboose Childcare (https://www.redcaboosechildcare.org/)
- Conduct research at UW's Child Development Lab (https://childdevelopmentlab.wisc.edu/) and Eagle's Wing Child Care Center (https://www.housing.wisc.edu/apartments/eagles-wing/)
- Lead educational events and panels with schools and university faculty
- Intern at the Boys and Girls Club (https://www.bgcdc.org/), Lussier Community Education Center, (https://lcecmadison.org/) and the Goodman Community Center (https://www.goodmancenter.org/) ; explore more opportunities through the Career Center's Featured Education Internships (https://careercenter.education.wisc.edu/gain-experience/internships/#education-internships) or the International Internship Program (https://internships.international.wisc.edu/)

For additional experiences, visit the Career Center's Student Jobs and Other Experiences (https://careercenter.education.wisc.edu/gain-experience/#student-jobs-and-other-experiences) page.

Participation with Professional Organizations

Our teacher candidates attend and/or present at educational conferences such as the:

- American Educational Research Association (AERA)
- Teachers of English to Speakers of Other Languages (TESOL)
- National K-8 Literacy and Reading Recovery Conference (LitCon)
- Association for Supervision and Curriculum Development (ASCD)

Guest Speakers

Instructors in the Elementary Education Program bring guests from a variety of community organizations into their classrooms:

- Teachers, principals, and superintendents from area school districts to share information about school life and provide tips on the interview process
- Madison's Preschool to Prison pipeline with a focus on teaching for social justice
- PBS Wisconsin to share technology and teaching resources
- Wisconsin Education Association Council (WEAC) to introduce programs such as "Ambassadors for Equity" and "Early Career Educators"
- WIDA to introduce English Language Development Standards and to practice administering the ACCESS for ELLs assessment to K-9 students who may need academic English language support

Seeking Out Community Experiences

We encourage our students to venture outside the classroom and get to know the families and communities of their pupils by attending a community activity such as a worship service, a neighborhood festival, or a community potluck. Students spend time in and around the attendance area of their schools to develop an understanding of the places, people, spaces, and experiences that influence their pupils at home, in their schools, and in their communities.

Field Trips

While completing practicum experiences, students enjoy educational excursions to places in the Madison community such as the Madison Children's Museum (https://madisonchildrensmuseum.org/), the Wisconsin State Historical Society (https://wisconsinhistory.org/), Madison Public Library's Play Lab (https://www.madisonpubliclibrary.org/spaces/playlab/), and on-campus gems like the UW-Madison Geology Museum (https://museum.geoscience.wisc.edu/), Allen Centennial Garden (https://allencentennialgarden.wisc.edu/), and the UW-Madison Arboretum (https://uwarboretum.org/).

Study Abroad

Teacher candidates are encouraged to explore cultures other than their own by participating in one of the School of Education's exciting study abroad programs (https://global.education.wisc.edu/study-abroad/). For example, the Curriculum & Instruction department offers a 3-credit, three-week course in June entitled "Diversity and Community in the Galapagos Islands" (https://www.youtube.com/watch/?v=IC4qVTi8lxw) led by faculty in Elementary Education.

Additional Certifications, Majors, Minors, and Certificates

Many students in the K-9 elementary education program also complete programs in other areas of interest. Certification minors in Early Childhood Education and/or English as a Second Language can be combined with the core K-9 program. Popular additional majors are in Spanish, Environmental Studies, Educational Policy Studies, Psychology, and History. Students frequently select certificates in Educational Policy Studies, Disability Rights and Services, Chican@ and Latin@ Studies, and Environmental Studies, and minors in Social Studies, English Language Arts, Math, and Science. These options complement the skills and knowledge acquired through elementary education coursework.

Student Clubs and Organizations

Elementary education students have multiple opportunities to participate in related organizations and activities such as Aspiring Educators of Wisconsin (https://www.facebook.com/AspiringEducatorsUWMadison/), Qouncil (https://lgbt.wisc.edu/get-involved/student-orgs/#qouncil-student-org-coalition), the Multicultural Student Center (https://msc.wisc.edu/), and the UW Game Lab (https://games.education.wisc.edu/lab/).

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ADDITIONAL CERTIFICATION REQUIREMENTS

Students interested in certification must, in addition to completing UW–Madison's program requirements, also complete Wisconsin statutory requirements related to teacher education and certification requirements established by the Wisconsin Department of Public Instruction. Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. For additional certification requirements and information about applying for a license, see the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/current-students/).

APPLYING FOR A TEACHING LICENSE

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Students intending to complete a teacher certification program should monitor program requirements carefully. The Wisconsin Department of Public Instruction (DPI) periodically implements regulations that affect all certification programs; teacher certification candidates are responsible for having up-to-date information about certification requirements.

Licensing Levels

The following undergraduate teacher licensing options are offered at UW–Madison.

- The core Elementary Education licensing level will be Kindergarten through Grade 9. Early Childhood, and English as a Second Language Kindergarten through Grade 12, can be added to the K-9 option.
- Special Education will offer licensing at the Early Childhood level, Kindergarten through Grade 12 level, and a program option that licenses in both Early Childhood Special Education and K-12 Special Education.
- The new Elementary Education and Special Education degree certifies students in both Special Education Kindergarten through Grade 12 and Elementary Education Kindergarten through Grade 9.
- Students in special fields such as Art, Music, and Physical Education will be licensed at the Kindergarten through Grade 12 level.
- Health licenses at the Kindergarten through Grade 12 level.

Wisconsin State Licensing

The State of Wisconsin issues an initial teaching license to certified teachers. The current fee is $125. An online license application is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/elo/). A background check will also be conducted by DPI. Information about fingerprint submission, when necessary, is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/licensing/fingerprint/electronic-submission/).

Before applying for a license, DPI requires the electronic submission of "Endorsed Candidate for Licensure" (ECL) data by the certifying officer of the institution where the teacher preparation was completed. For UW–Madison teacher certification students the endorsement will come from the School of Education, L139 Education Building, 1000 Bascom Mall.

Once this information has been submitted to DPI, students are notified by email that they may begin the application online.

Before endorsing a student, UW–Madison requires that

- all certification requirements are met;
- student teaching (following the school district calendar) is completed;
- final grades are posted and reviewed;
- the degree is posted (https://registrar.wisc.edu/posting-of-degrees/) by the Registrar's Office (which can take up to four to six weeks after the degree conferral date); and
- a recommendation for certification is received from the program faculty.

The Wisconsin Department of Public Instruction may require an additional six to eight weeks for license processing.

Licensing Outside of Wisconsin

To apply for a license in a state other than Wisconsin, first check out the application requirements of that state. The University of Kentucky has a website (https://education.uky.edu/accreditation/certification/states/) that provides links to teacher licensing agencies in all 50 states, the District of Columbia, and Puerto Rico.

Many states have a verification form that needs to be signed by a UW–Madison certification officer. This form verifies that a state-approved licensing program has been completed. These forms should be sent to the School of Education's Mary T. Kellner Teacher Education Center at L139 Education Building, 1000 Bascom Mall, Madison, WI 53706, or by email (educatorlicensing@education.wisc.edu) to be completed. You must complete your personal information on the form before sending it to the Teacher Education Center. If the form requests information about practicum and student teaching assignments (names of schools, grade levels, dates, etc.), this information must also be completed before sending the form to the Teacher Education Center.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ELEMENTARY EDUCATION: KINDERGARTEN - 9TH GRADE

REQUIREMENTS

REQUIREMENTS

The core program in Elementary Education requires 60 credits of professional coursework in addition to other degree requirements. Students are certified to teach kindergarten through grade 9 (K-9) and can also teach at the 4K level.

The option coursework listed here is one component of the Elementary Education, BSE degree (https://guide.wisc.edu/undergraduate/education/curriculum-instruction/elementary-education-bse/#requirementstext) requirements.

PROFESSIONAL SEQUENCE

The professional coursework was designed to be completed in four semesters, starting in the fall after admission to the program. Each semester of the sequence must be followed sequentially and taken in consecutive semesters unless a modification is approved. Most classes must be taken during specified semesters, while the scheduling of other requirements is more flexible; some may be completed prior to beginning the sequence.

Code	Title	Credits
Semester 1		
CURRIC 312	Foundations of ESL Education	3
CURRIC 319	Pedagogical Content Knowledge for Teaching Elementary Mathematics 1 [1]	3
CURRIC 339	Cultural Foundations of Learning and Development [1]	3
CURRIC/ RP & SE 406	Race, Intersectionality, and Equity in Education [1]	3
ED POL 300	School and Society [2]	3
or ED POL/ HISTORY 412	History of American Education	
Semester 2		
CURRIC 320	Pedagogical Content Knowledge for Teaching Elementary Mathematics 2 [1]	3
CURRIC 346	Foundations of Language and Reading Instruction in Elementary Education	3
CURRIC 550	Methods, Materials and Activities in Early Childhood Education	3
CURRIC 340	Elementary Education Practicum I	3
Required Program Elective 1 [2]		3
Semester 3		
CURRIC 347	The Teaching of Writing and Other Language Arts	3
CURRIC 370	Teaching Mathematics	3
CURRIC 371	Teaching Social Studies	3
CURRIC 372	Teaching Science	3
CURRIC/ RP & SE 506	Strategies for Inclusive Schooling	3
CURRIC 367	Elementary Education Practicum II	3
Semester 4		
CURRIC 463	Seminar in Elementary Education	2
CURRIC 464	Student Teaching in the Elementary School	10
or CURRIC 454	Student Teaching in the Middle School	

[1] May be taken before semester 1 of the professional sequence, including prior to program admission.

[2] May be taken any time before semester 4 of the professional sequence, including prior to program admission. Enrollment in either ED POL 300 or ED POL/HISTORY 412 can follow this schedule.

ELECTIVE COURSES

The professional sequence includes 3 credits selected from the following options. Additional courses that expand a student's skill set or further a student's knowledge as a future teacher may also be considered to meet this requirement. Contact the Elementary Education Program Manager for approval prior to enrolling in additional courses. The frequency in which the listed courses are offered can vary based on teaching schedules as well as student interest.

Elective Course Options

Code	Title	Credits
ART ED 321	Introduction to Teaching Art	2
COMP SCI 402	Introducing Computer Science to K-12 Students	2
CURRIC 209	Digital Media and Literacy	3
CURRIC 277	Videogames & Learning	3
CURRIC/ MUSIC 300	Principles of Music Education	2

CURRIC 305	Integrating the Teaching of Reading with Other Language Arts	3
CURRIC/ CHICLA 306	Latinx Literacies	3
CURRIC 309	Reading and Writing Across the Content Areas	3
CURRIC 311	Language Acquisition for Multilingual Learners	3
CURRIC 314	Becoming Literate in and out of Schools	3
CURRIC 315	Reading and Writing Across the Curriculum in Early Childhood	3
CURRIC 316	ESL/Bilingual Methods	3
CURRIC 317	Dimensions of Literacy	3
CURRIC/ CHICLA 321	Chicano/Latino Educational Justice	3
CURRIC 328	Arts Integration for Teaching and Learning	3
CURRIC 331	Taking Education Outside of School	3
CURRIC 338	Linguistics for Teachers	3
CURRIC 357	Game Design I	3
CURRIC/SLAVIC/ THEATRE 362	Drama for Teaching and Learning	3
CURRIC 368	The Teaching of Reading	3
CURRIC 369	The Teaching of Language Arts	3
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
CURRIC 432	Game Design II	3
CURRIC 500	Literacy and Language Development	3
CURRIC 504	Literacy Assessment and Intervention	3
CURRIC/ED POL/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	3
CURRIC/ED POL/ RELIG ST 516	Religion and Public Education	3
CURRIC 632	Literature and Literacy	3
CURRIC 660	Foundations of Early Childhood Education	2-3
CURRIC 663	Learning Environments for Initial Education Programs	3
ED POL 300	School and Society	3
ED POL/ HISTORY 412	History of American Education	3
KINES 325	Group Development and Behavior Management	3
L I S 622	Childrens Literature	3
RP & SE 300	Individuals with Disabilities	3

CONTENT AREA MINOR (OPTIONAL REQUIREMENT)

Students may elect to complete a minor in one of the following content areas. Minors provide a depth of study in a particular area of interest and also inform classroom instruction. Upon completion, the minor will be posted on the UW-Madison transcript, **but students will not receive an additional certification in the subject area.** The Wisconsin Department of Public Instruction no longer offers content licenses in association with the K-9 educator license.

The completion of a minor is required to teach middle school licensing in some states and may benefit students particularly interested in teaching at this level. Choose from the links below for more details about the requirements of each minor.

Minor Options

- Biology (p. 1557)
- Chemistry (p. 1558)
- Earth Science (p. 1565)
- Economics (p. 1566)
- English (p. 1580)
- English Language Arts (p. 1578)
- Geography (p. 1582)
- History (p. 1584)
- Mathematics (p. 1591)
- Mathematics and Science Dual (p. 1588)
- Mathematics Specialized (p. 1591)
- Physics (p. 1592)
- Political Science (p. 1592)
- Psychology (p. 1597)
- Science Specialized (p. 1597)
- Social Studies (p. 1598)
- Sociology (p. 1607)

ADDITIONAL CERTIFICATION OPTIONS IN ELEMENTARY EDUCATION

Students interested in Early Childhood Education (birth-Grade 3) and/or English as a Second Language (grades K-12) may earn certification in these areas along with the completion of the K-9 program. It is also possible to combine K-9 Elementary Education with K-12 Special Education certification through the completion of the Elementary Education and Special Education (p. 1681) degree.

- The Early Childhood Education (ECE) certification (p. 1565) minor (p. 1565)
- The English as a Second Language (ESL) certification (p. 1578) minor (p. 1578)
- Certification in both Early Childhood Education and English as a Second Language (p. 1575)

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Elementary Education: Sample Four-Year Plans

These sample four-year graduation plans reflect the certification options available to students completing a degree in Elementary Education. A plan is included for:

- Kindergarten-Grade 9 certification
- Kindergarten-Grade 9 certification+ Early Childhood Education certification
- Kindergarten-Grade 9 certification + English as a Second Language certification

- Kindergarten-Grade 9 certification + Early Childhood Education certification + English as a Second Language certification

A four-year plan for the Kindergarten-Grade 9 certification + Special Education Kindergarten-Grade 12 certification is available here (p. 1686). (p. 1686)

Four-year plans are designed to guide your course selection throughout your academic career; they do not establish a contractual agreement. Use them along with your DARS report and Course Search and Enroll to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

KINDERGARTEN – GRADE 9 CERTIFICATION

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Liberal Studies course work	12-15	Quantitative Reasoning A	3
		Ethnic Studies	3
		Liberal Studies course work	6-9
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Liberal Studies or General Elective course work	15
Liberal Studies course work	7		
Liberal Studies or General Elective course work	5		
	15		**15**

Junior

Fall	Credits	Spring	Credits
CURRIC 312	3	CURRIC 320[1]	3
CURRIC 319[1]	3	CURRIC 346	3
CURRIC 339[1]	3	CURRIC 550	3
CURRIC/RP & SE 406[1]	3	CURRIC 340	3
ED POL 300 or 412 (412 also meets U.S./ European History)[2]	3	Professional Program Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
CURRIC 347	3	CURRIC 463	2
CURRIC 370	3	CURRIC 454 or 464	10
CURRIC 371	3		
CURRIC 372	3		
CURRIC/RP & SE 506	3		
CURRIC 367	3		
	18		**12**

Total Credits 120

1 May be taken before semester 1 of the professional sequence, including prior to program admission.

2 May be taken any time before semester 4 of the professional sequence, including prior to program admission. Enrollment in either ED POL 300 or ED POL/HISTORY 412 can follow this schedule.

A minimum of 120 credits is still required to complete the degree.

KINDERGARTEN – GRADE 9 + EARLY CHILDHOOD EDUCATION CERTIFICATIONS

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Liberal Studies course work	9-15	Quantitative Reasoning A	3
		Ethnic Studies	3
		Liberal Studies course work	6-9
	12		**15**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Liberal Studies or General Elective course work	15
Liberal Studies course work	10		
Liberal Studies or General Elective course work	2		
	15		**15**

Junior

Fall	Credits	Spring	Credits
CURRIC 312	3	CURRIC 320[1]	3
CURRIC 319[1]	3	CURRIC 346	3
CURRIC 339[1]	3	CURRIC 372	3
CURRIC/RP & SE 406[1]	3	CURRIC 550	3
CURRIC 660[1]	3	CURRIC 340	3
ED POL 300 or 412 (412 also meets U.S./ European History)[2]	3		
	18		**15**

Senior

Fall	Credits	Spring	Credits
CURRIC 347	3	CURRIC 463	2
CURRIC 370	3	CURRIC 464 or 468	10
CURRIC 371	3		
CURRIC/RP & SE 506	3		
CURRIC 663[2]	3		

CURRIC 367	3		
	18		**12**

Total Credits 120

1 May be taken before semester 1 of the professional sequence, including prior to program admission.

2 May be taken any time before semester 4 of the professional sequence, including prior to program admission. Enrollment in either ED POL 300 or ED POL/HISTORY 412 can follow this schedule.
A minimum of 120 credits is still required to complete the degree.

KINDERGARTEN – GRADE 9 + ENGLISH AS A SECOND LANGUAGE CERTIFICATIONS

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Liberal Studies course work	9-12	Quantitative Reasoning A	3
		Ethnic Studies	3
		Liberal Studies course work	6-9
	12		**15**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Liberal Studies or General Elective course work	12
Liberal Studies course work	7		
Liberal Studies or General Elective course work	5		
	15		**12**

Junior

Fall	Credits	Spring	Credits
CURRIC 311	3	CURRIC 320[1]	3
CURRIC 312	3	CURRIC 338	3
CURRIC 319[1]	3	CURRIC 346	3
CURRIC 339[1]	3	CURRIC 372	3
CURRIC/RP & SE 406[1]	3	CURRIC 550	3
ED POL 300 or 412 (412 also meets U.S./ European History)[2]	3	CURRIC 340	3
	18		**18**

Senior

Fall	Credits	Spring	Credits
CURRIC 316	3	CURRIC 463	2
CURRIC 347	3	CURRIC 454 or 464	10
CURRIC 370	3		
CURRIC 371	3		
CURRIC/RP & SE 506	3		
CURRIC 367	3		
	18		**12**

Total Credits 120

1 May be taken before semester 1 of the professional sequence, including prior to program admission.

2 May be taken before semester 4 of the professional sequence, including prior to program admission. Enrollment in either ED POL 300 or ED POL/HISTORY 412 can follow this schedule.
A minimum of 120 credits is still required to complete the degree.

KINDERGARTEN – GRADE 9 + EARLY CHILDHOOD EDUCATION + ENGLISH AS A SECOND LANGUAGE CERTIFICATIONS

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Liberal Studies course work	9-12	Ethnic Studies	3
		Quantitative Reasoning A	3
		Liberal Studies course work	3-6
	12		**12**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Liberal Studies or General Elective course work	12
Liberal Studies or General Elective course work	9		
	12		**12**

Junior

Fall	Credits	Spring	Credits
CURRIC 311	3	CURRIC 320[1]	3
CURRIC 312	3	CURRIC 338	3
CURRIC 319[1]	3	CURRIC 346	3
CURRIC 339[1]	3	CURRIC 372	3
CURRIC/RP & SE 406[1]	3	CURRIC 550	3
CURRIC 660[1]	3	CURRIC 340	3
	18		**18**

Senior

Fall	Credits	Spring	Credits
CURRIC 316	3	CURRIC 463	2
CURRIC 347	3	Complete one of:	10
CURRIC 370	3	CURRIC 454	
CURRIC 371	3	CURRIC 464	
CURRIC 663[2]	3	CURRIC 468	
CURRIC 367	3	ED POL 300 or 412[2]	3
		CURRIC/RP & SE 506	3
	18		**18**

Total Credits 120

[1] May be taken before semester 1 of the professional sequence, including prior to program admission.
[2] CURRIC 663 may be taken before semester 4 of the professional sequence, including prior to program admission. ED POL 300 and ED POL/HISTORY 412 may be taken at any time, including prior to program admission.
A minimum of 120 credits is still required to complete the degree.

ENGLISH AS A SECOND LANGUAGE, MINOR

"Ms. Yang's Class," by Jerry Jordan

Students with a special interest in teaching English language learners should consider this minor, which leads to certification in English as a Second Language (ESL) from kindergarten through grade 12. Only fluency in English is required to teach ESL.

The ESL minor was designed to be completed in tandem with the Elementary Education (p. 1567) certification program; only students also completing Elementary Education may declare this minor.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education program. The declaration is made at the time of program application.

REQUIREMENTS

REQUIREMENTS

Complete the following course work in addition to the degree requirements of Elementary Education. Certification in English as a Second Language, Kindergarten through Grade 12 requires the completion of the Elementary Education degree program. These courses will also fulfill the elective credits required for Elementary Education.

Code	Title	Credits
CURRIC 338	Linguistics for Teachers	3
CURRIC 311	Language Acquisition for Multilingual Learners	3
CURRIC 316	ESL/Bilingual Methods	3
Total Credits		**9**

ENGLISH LANGUAGE ARTS, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

Students may wish to consult with an advisor in the School of Education Student Services office, 139 Education Building, to discuss course selection and other issues related to this field of study. Current students can schedule a Student Services appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, (soeacademicservices@education.wisc.edu) by calling 608-262-1651, or in person.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

The English Language Arts minor requires the completion of 24 credits to include the requirements of each group of courses. A minimum cumulative grade point average of 2.75 is required, based on all UW–Madison coursework included in the minor.

The courses listed here will meet the requirements in each category, but additional courses can be considered.

INTRODUCTORY LITERATURE

Complete two introductory literature courses. Courses with a Literature breadth designation from many departments—e.g., Comparative Literature, Classics, African Languages and Literature, English, or Theatre —may be selected to meet this requirement.

INTERNATIONAL LITERATURE

Select one course from the following:

International Literature Courses

Code	Title	Credits
African Cultural Studies		
AFRICAN/ FOLKLORE 210	The African Storyteller	3
AFRICAN 300	African Literature in Translation	3
AFRICAN 405	Topics in African Cultural Studies	3
AFRICAN 412	Contemporary African Fiction	3
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	3-4
Folklore		

FOLKLORE 100	Introduction to Folklore	3
FOLKLORE/ AFRICAN 210	The African Storyteller	3
FOLKLORE 220	The Folk Tale	3
FOLKLORE 317	The Irish Tradition (was 517 prior to fall, 2023)	3
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	3
FOLKLORE/ LITTRANS/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	3
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
FOLKLORE/ GEN&WS 428	Gender and Expressive Culture	3
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	3
FOLKLORE 460	Folk Epics	3
Any Literature in Translation course with the "L" breadth code		

AMERICAN SOCIAL LITERATURE

This requirement addresses cultural diversity from the perspective of race, ethnicity, class, gender, sexual orientation, or ability.

Select one course from the following:

American Social Literature Courses

Code	Title	Credits
African American Studies		
AFROAMER 155	They: Race in American Literature	3
AFROAMER/ GEN&WS 222	Introduction to Black Women Writers	3
AFROAMER 225	Introduction to African American Dramatic Literature	3
AFROAMER 227	Masterpieces of African American Literature	3
AFROAMER 265	African-American Autobiography	3
AFROAMER/ GEN&WS 267	Artistic/Cultural Images of Black Women	3
AFROAMER 525	Major Authors	3
American Indian Studies		
AMER IND/ ENGL 172	Literatures of Native America	3
English		
ENGL 173	Ethnic and Multicultural Literature	3
ENGL/ GEN&WS 248	Women in Ethnic American Literature	3
ENGL/ ASIAN AM 270	A Survey of Asian American Literature	3
ENGL 461	Topics in Ethnic and Multicultural Literature	3
ENGL/ASIAN AM/ GEN&WS 464	Asian American Women Writers	3
ENGL/ AFROAMER 672	Selected Topics in Afro-American Literature	3

MASS COMMUNICATION

Select one course from the following:

Mass Communication Courses

Code	Title	Credits
African American Studies		
AFROAMER 303	Blacks, Film, and Society	3
American Indian Studies		
AMER IND 325	American Indians in Film	3
Asian American Studies		
ASIAN AM/ JOURN 662	Mass Media and Minorities	4
Chican@ and Latin@ Studies		
CHICLA/ COM ARTS 419	Latino/as and Media	3
Communication Arts		
COM ARTS 250	Survey of Contemporary Media	3
COM ARTS 350	Introduction to Film	3
COM ARTS 351	Television Industries	3
COM ARTS 355	Introduction to Media Production	4
History		
HISTORY/ JOURN 560	History of U.S. Media	4
Journalism		
JOURN 201	Introduction to Mass Communication	4
JOURN 561	Mass Communication and Society	4
JOURN 565	Effects of Mass Communication	4
JOURN/COM ARTS/ HDFS 616	Mass Media and Youth	3
Life Sciences Communication		
LSC 440	Digital Media and Science Communication	3

SPEECH COMMUNICATION

Select one course from the following:

Speech Communication Courses

Code	Title	Credits
Communication Arts		
COM ARTS 260	Communication and Human Behavior	3
COM ARTS 262	Argumentation and Debate	3
COM ARTS 266	Theory and Practice of Group Discussion	3
COM ARTS 272	Introduction to Interpersonal Communication	3
COM ARTS 360	Introduction to Rhetoric in Politics and Culture	3
COM ARTS 368	Persuasion and Social Influence	3
COM ARTS 371	Communication and Conflict Resolution	3
Theatre		

THEATRE 150	Acting I: Introduction to Acting	3
THEATRE 250	Fundamentals of Acting	3

ENGLISH COMPOSITION

Select one course from the following:

English Composition Courses

Code	Title	Credits
ENGL 201	Intermediate Composition	3
ENGL 207	Introduction to Creative Writing: Fiction and Poetry Workshop	3
ENGL 307	Creative Writing: Fiction and Poetry Workshop	3
ENGL 400	Advanced Composition	3
ENGL 407	Creative Writing: Nonfiction Workshop	3
ENGL 408	Creative Writing: Fiction Workshop	3
ENGL 409	Creative Writing: Poetry Workshop	3
ENGL 410	Creative Writing: Playwriting Workshop	3
ENGL 508	Creative Writing: Advanced Fiction Workshop	3

ELECTIVES

Select any course from the areas above (excluding introductory literature) or from the following options to reach the minimum of 24 credits:

Elective Courses

Code	Title	Credits
ENGL 314	Structure of English	3
ENGL 316	English Language Variation in the U.S.	3
ENGL 416	English in Society	3
ENGL 417	History of the English Language	3
FOLKLORE/ ANTHRO/INTL ST/ LINGUIS 211	Global Language Issues	3
LINGUIS 101	Human Language	3
LINGUIS 303	Historical Linguistics	3
LINGUIS/ ANTHRO 430	Language and Culture	3-4

ENGLISH, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of English is housed in the College of Letters & Science. Students may wish to consult with an undergraduate advisor in English (https://english.wisc.edu/undergraduate/undergraduate-advising/) to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

The English minor requires the completion of 24–30 credits to include the coursework listed below. A minimum cumulative grade point average of 2.75 is required, based on all UW–Madison coursework included in the minor.

Note: Six credits of introductory literature must be completed prior to enrolling in coursework required for the English minor. Courses with a Literature breadth designation from many subjects—e.g., Comparative Literature, Classical & Ancient Near Eastern Studies, African Cultural Studies, or Theatre and Drama—may be selected to meet this requirement. Students are encouraged to explore these options, although introductory English department coursework may also be used in this capacity.

Code	Title	Credits
Required Courses		
Complete the following:		
ENGL 241	Literature and Culture I: to the 18th Century	3
ENGL 242	Literature and Culture II: from the 18th Century to the Present	3
ENGL 314	Structure of English (students are encouraged to take this course as early as possible)	3
Children's or Young Adult Literature chosen in consulatation with advisor		3
Shakespeare		
Select one of the following:		3
ENGL 220	Shakespearean Drama	
ENGL 431	Early Works of Shakespeare	
ENGL 432	Later Works of Shakespeare	
Elective		
Select one English department elective numbered 204 and above, except for ENGL 207 and ENGL 236 [1]		
Ethnic Literature		
Select one 3-credit intermediate or advanced ethnic literature course [2]		
Applied English Linguistics		

Select one of the following (listed in order of preference):		3
ENGL 516	English Grammar in Use	
ENGL 417	History of the English Language	
ENGL 316	English Language Variation in the U.S.	
ENGL 416	English in Society	
ENGL 414	Global Spread of English	
Composition for English Teachers		
ENGL 304	History and Theory of Rhetoric and Writing Studies	
Or, select a course in consultation with an advisor in the School of Education Student Services office.		
Additional Credits		
If necessary, select additional coursework to reach the minimum of 24 credits. Introductory literature may be used.		

[1] Students considering a Letters & Science English major should select a pre–1800, non-Shakespeare literature course.

[2] Search for Intermediate/Advanced–level courses that are designated as both Literature and Ethnic Studies courses in the enrollment application.

GAME DESIGN, CERTIFICATE

WHAT IS GAME DESIGN?

Game Design is the theory and practice of creating games. We focus on games broadly speaking – puzzles, toys, board games, role-playing, sports, or simply not stepping on the cracks in the sidewalk. Making games offers an opportunity for creative expression, for simulating real-world problems, for positive social change, and for communicating complex ideas about systems and processes.

WHAT IS THE GAME DESIGN CERTIFICATE?

The Game Design Certificate is an interdisciplinary program that gives students from a wide variety of backgrounds the chance to make games. The certificate is jointly offered by the departments of Curriculum and Instruction, Art, and Computer Sciences. Certificate students work both independently and in small teams to develop a portfolio of board games, video games, and physical spaces. The certificate focuses on creating, testing, and understanding how to design gameplay to be fun and impactful.

WHAT WILL STUDENTS GAIN?

Students acquire the skills, understanding, and background to create and produce games independently, develop a body of work, and gain critical perspectives on games and game design.

HOW DO I GET INVOLVED?

Interested students may wish to consult with an advisor in the School of Education Student Services office, 139 Education Building, 608-262-1651, or studentservices@wisc.edu (studentservices@education.wisc.edu), to discuss course sequencing, declaring, and other issues related to this field of study. Current students can schedule a Student Services appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

HOW TO GET IN

HOW TO GET IN

To be eligible to declare the Game Design Certificate, students must complete two courses prior to submitting a certificate declaration. One course is required of all prospective certificate students:

Code	Title	Credits
CURRIC 357	Game Design I	3

The second course may be selected by the student from the following options:

Code	Title	Credits
ART 107	Introduction to Digital Forms	3
COMP SCI 200	Programming I	3
COMP SCI 220	Data Science Programming I	4
COMP SCI 300	Programming II	3

Students meeting the eligibility criteria who intend to complete the Game Design Certificate may find the declaration form on the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page. The declaration for this certificate program can be submitted at any time during the calendar year.

REQUIREMENTS

REQUIREMENTS

The Game Design certificate program includes both required and elective coursework for a minimum of 18 credits. All coursework must be taken for a letter grade. At least 10 credits of the certificate must be earned in residence at UW–Madison.

Students must have an overall 2.5 GPA in Game Design Certificate coursework upon completion of the certificate.

Code	Title	Credits
Required Courses		
CURRIC 277	Videogames & Learning	3
or CURRIC 576	Topics in Game Design	
CURRIC 357	Game Design I	3
CURRIC 432	Game Design II	3
ART 107	Introduction to Digital Forms	3
Computer Science Elective		
Select one of the following:		3
COMP SCI 200	Programming I	
COMP SCI 220	Data Science Programming I	
COMP SCI 300	Programming II	
Arts Elective		
Select one of the following:		3-4
ART 428	Digital Imaging Studio	
ART 429	3D Digital Studio I	
ART 529	3D Digital Studio II	
ART 563	Graphic Design for Games	
ART 629	3D Digital Studio III	

THEATRE 230	Environment Design for Games and other Virtual Storytelling Spaces
Total Credits	**18**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Utilize the design and technical skills necessary to create games.
2. Discuss the critical and theoretical perspectives necessary to understand the production and reception contexts in/for which they design such games.

GEOGRAPHY, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Geography (https://geography.wisc.edu/) is housed in the College of Letters & Science. Students may wish to consult with academic advisor Joel Gruley, jgruley@wisc.edu, 144 Science Hall, 608-262-4438, to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

The Geography minor requires a minimum of 24 credits. In addition to the required course, select one course from each of the distribution lists. Each course may be counted in only one of the groups. Coursework must include at least two upper-level courses, numbered 300–699.

A minimum cumulative grade point average of 2.75 is required, based on all Geography minor coursework taken on the UW–Madison campus.

REQUIRED COURSE

Code	Title	Credits
GEOG 342	Geography of Wisconsin (Or an acceptable substitute selected in consultation with the undergraduate advisor in the Department of Geography. This course may be also used to fulfill the requirement in Area Studies and Global Systems)	3

COURSE DISTRIBUTION REQUIREMENTS

Complete one course from each of the six groups:

Physical Geography: Earth Systems and Environmental Processes

Courses address the locational arrangements of earth phenomena and their interaction as physical systems.

Physical Geography: Earth Systems and Environmental Processes course options

Code	Title	Credits
GEOG/ ENVIR ST 120	Introduction to the Earth System	3
GEOG/ENVIR ST 127	Physical Systems of the Environment	4
GEOG/GEOSCI 320	Geomorphology	3
GEOG/ATM OCN/ ENVIR ST 322	Polar Regions and Their Importance in the Global Environment	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/ATM OCN/ ENVIR ST/ GEOSCI 335	Climatic Environments of the Past	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG 344	Changing Landscapes of the American West	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOG 523	Advanced Paleoecology: Species Responses to Past Environmental Change	3
GEOG/ SOIL SCI 525	Soil Geomorphology	3
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	3

People–Environment Interaction

Courses examine human use, perception, and modification of environments.

People–Environment Interaction course options

Code	Title	Credits
GEOG/ ENVIR ST 139	Global Environmental Issues	3

GEOG/ENVIR ST/ SOIL SCI 230	Soil: Ecosystem and Resource	3
GEOG/ART HIST/ ENVIR ST/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
GEOG/ATM OCN/ ENVIR ST 332	Global Warming: Science and Impacts	3
GEOG/ ENVIR ST 333	Green Urbanism	3
GEOG/ ENVIR ST 337	Nature, Power and Society	3
GEOG/BOTANY 338	Environmental Biogeography	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG 340	World Regions in Global Context	3
GEOG 344	Changing Landscapes of the American West	3
GEOG/AMER IND/ ENVIR ST 345	Caring for Nature in Native North America	3
GEOG 359	Australia: Environment and Society	3
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	3
GEOG/C&E SOC/ ENVIR ST 434	People, Wildlife and Landscapes	3
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	3-4
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG/ SOIL SCI 526	Human Transformations of Earth Surface Processes	3
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	3
GEOG/ ENVIR ST 537	Culture and Environment	4
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3

Human Geography

Courses examine the location and organization of human settlements and activities.

Human Geography course options

Code	Title	Credits
GEOG 101	Introduction to Human Geography	4
GEOG 104	Introduction to Human Geography	3
GEOG/ART HIST/ ENVIR ST/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
GEOG 300	Weird Geographies	3
GEOG 301	Revolutions and Social Change	3
GEOG 302	Economic Geography: Locational Behavior	4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG 307	International Migration, Health, and Human Rights	3
GEOG/CHICLA/ GEN&WS 308	Latinx Feminisms: Women's Lives, Work, and Activism	3
GEOG/INTL ST 311	The Global Game: Soccer, Politics, and Identity	3
GEOG/INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	3
GEOG 318	Introduction to Geopolitics	3
GEOG 340	World Regions in Global Context	3
GEOG 355	Africa, South of the Sahara	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	3
GEOG 501	Space and Place: A Geography of Experience	3
GEOG/ URB R PL 503	Researching the City: Qualitative Strategies	3
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	3
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	3
GEOG 510	Economic Geography	4
GEOG 511	Critical Social Theory	3
GEOG 513	Queer Geographies	3
GEOG/ GEN&WS 514	Feminist Geography: Methodological Approaches	3
GEOG 515	Trans Autotheories	3
GEOG 518	Power, Place, Identity	3
GEOG 566	History of Geographic Thought	3

Area Studies and Global Systems

Courses focus on the ways in which regions, places, and landscapes have acquired distinctive characteristics and problems as a result of their locations and resource potentials, and of their settlement, appraisal, and use by particular peoples and cultures.

Area Studies and Global Systems course options

Code	Title	Credits
GEOG/ASIAN/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
GEOG/HISTORY/ POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
GEOG/AFROAMER/ ANTHRO/C&E SOC/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4

GEOG/AFRICAN/ AFROAMER/ ANTHRO/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
GEOG 342	Geography of Wisconsin	3
GEOG 355	Africa, South of the Sahara	3
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3

Cartography and Geographic Information Science

Courses examine the creation and use of maps.

Cartography and Geographic Information Science course options

Code	Title	Credits
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	3
GEOG 370	Introduction to Cartography	4
GEOG/ENVIR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	3
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	3
GEOG 572	Graphic Design in Cartography	3-4
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics	4
GEOG 574	Geospatial Database Design and Development	4
GEOG 575	Interactive Cartography & Geovisualization	4
GEOG 576	Geospatial Web and Mobile Programming	4
GEOG 578	GIS Applications	4
GEOG 579	GIS and Spatial Analysis	4

Methodology

Courses examine the skills, techniques and methodology necessary to conduct geographic investigation.

Methodology course options

Code	Title	Credits
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	3
STAT 240	Data Science Modeling I	4
GEOG 365	Geographical Traditions and Practices	3
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 500	Qualitative Strategies in Geography	3
GEOG 560	Advanced Quantitative Methods	3
GEOG 565	Colloquium for Undergraduate Majors (offered only in fall)	3
STAT 301	Introduction to Statistical Methods	3
STAT 324	Introduction to Statistics for Science and Engineering	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3

HISTORY, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of History is housed in the College of Letters & Science. Students may wish to consult with an undergraduate advisor in the department to discuss course selection and other issues related to this field of study.

Students have numerous advising resources available to them, including both professional and peer advisors. Information on the History advising team, how to contact an advisor, how to schedule an appointment, and drop-in advising hours can be found on the departmental website (https://history.wisc.edu/undergraduate-program/undergraduate-advising/). (https://history.wisc.edu/undergraduate-program/undergraduate-advising/)

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

The History minor requires a minimum of 24 credits. No more than three courses may be numbered below 300. A minimum cumulative grade point average of 2.75 is required, based on all History minor coursework taken on the UW–Madison campus.

EUROPEAN HISTORY

Complete at least one course; includes British or Russian history.

European History Course Options

Code	Title	Credits
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 124	Britain since 1688	4
HIST SCI 201	The Origins of Scientific Thought	3
HISTORY 201	The Historian's Craft (European topics)	3-4
ILS 201	Western Culture: Science, Technology, Philosophy I	3
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4
HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY 223	Explorations in European History (H)	3-4
HISTORY 224	Explorations in European History (S)	3
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
HISTORY 270	Eastern Europe since 1900	3-4
HISTORY 271	History Study Abroad: European History	1-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ JEWISH 310	The Holocaust	3-4
HISTORY/ HIST SCI 323	The Scientific Revolution: From Copernicus to Newton	3
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 348	France from Napoleon to the Great War, 1799-1914	3-4
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY 357	The Second World War	3-4
HISTORY 358	French Revolution and Napoleon	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe	3-4
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics	3
HISTORY 417	History of Russia	3-4
HISTORY 418	History of Russia	3-4
HISTORY 419	History of Soviet Russia	3-4
HISTORY 420	Russian Social and Intellectual History	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	3
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ ED POL 478	Comparative History of Childhood and Adolescence	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
HISTORY/ SCAND ST 577	Contemporary Scandinavia: Politics and History	3-4

U.S. HISTORY

Complete at least one course.

U.S. History Course Options

Code	Title	Credits
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4
HISTORY 102	American History, Civil War Era to the Present	4
HISTORY/ ED POL 107	The History of the University in the West	3
HISTORY 109	Introduction to U.S. History	3-4
HISTORY 136	Sport, Recreation, & Society in the United States	3-4

HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HISTORY/ CHICLA 152	The United States West Since 1850	3-4
HISTORY/ CHICLA 153	Latina/Latino/Latinx History	3-4
HISTORY 154	Who is an American?	3-4
HISTORY 155	The Long Black Freedom Struggle from the Civil War to the Present	3-4
HISTORY/ ASIAN AM 160	Asian American History: Movement and Dislocation	3-4
HISTORY/ ASIAN AM 161	Asian American History: Settlement and National Belonging	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY/ AMER IND 190	Introduction to American Indian History	3-4
HISTORY 201	The Historian's Craft (U.S. topics)	3-4
HISTORY/ JEWISH 213	Jews and American Pop. Culture	3-4
HIST SCI 218	History of Twentieth Century American Medicine	3
HISTORY/ JEWISH 219	The American Jewish Experience: From Shtetl to Suburb	4
HISTORY 221	Explorations in American History (H)	3-4
HISTORY 227	Explorations in the History of Race and Ethnicity	3
HISTORY/ART HIST/ ENVIR ST/GEOG/ LAND ARC 239	Making the American Landscape	3-4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/C&E SOC/ POLI SCI/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
HISTORY/ LEGAL ST 261	American Legal History to 1860	3
HISTORY/ LEGAL ST 262	American Legal History, 1860 to the Present	3
HISTORY/ CHICLA/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	3-4
HISTORY 272	History Study Abroad: United States History	1-4
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 306	The United States Since 1945	3-4
HISTORY/ AFROAMER 321	Afro-American History Since 1900	3-4
HISTORY/ AFROAMER 322	African American History to 1900	3
HISTORY 329	History of American Capitalism	4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY 345	Military History of the United States	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	3-4
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY/ AMER IND 380	Sovereignty and the Schoolhouse	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 401	Public History Workshop	3
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY/CHICLA/ POLI SCI 422	Latino History and Politics	3
HISTORY 427	The American Military Experience to 1902	3-4
HISTORY 428	The American Military Experience Since 1899	3-4
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
HISTORY/ ECON 466	The American Economy Since 1865	3-4
HIST SCI/ MED HIST 509	The Development of Public Health in America	3
HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	3
HIST SCI/GEN&WS/ MED HIST 531	Women and Health in American History	3
HIST SCI/GEN&WS/ MED HIST 532	The History of the (American) Body	3

HIST SCI/ GEN&WS 537	Childbirth in the United States	3
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 607	The American Impact Abroad: The Historical Dimension	3
HISTORY/ ED POL 612	History of Student Activism from the Popular Front to Black Lives Matter	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3

NON-WESTERN HISTORY (AFRICA, ASIA, LATIN AMERICA, MIDDLE EAST)

Complete one course; Russian history does not fulfill this requirement.

African History Course Options

Code	Title	Credits
HISTORY/ AFRICAN 106	Introduction to African History	3-4
HISTORY/ AFRICAN 129	Africa on the Global Stage	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (African topics)	3-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4

Central or East Asian History Course Options

Code	Title	Credits
HISTORY/ASIAN 103	Introduction to East Asian History: China	3-4
HISTORY/ASIAN 104	Introduction to East Asian History: Japan	3-4
HISTORY/ASIAN 108	Introduction to East Asian History - Korea	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY 201	The Historian's Craft (Central or East Asian topics)	3-4
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY 340	Cultural History of Korea	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY/ ASIAN 363	China and World War II in Asia	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4

South or Southeast Asian History Course Options

Code	Title	Credits
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 201	The Historian's Craft (South or Southeast Asian topics)	3-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4

Latin American History Course Options

Code	Title	Credits
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (Latin American Topics)	3-4
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY/ CHICLA/LACIS/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	3

HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY/CHICLA/ POLI SCI 422	Latino History and Politics	3
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3

Middle Eastern History Course Options

Code	Title	Credits
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY 201	The Historian's Craft (Middle Eastern topics)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4

ANCIENT/MEDIEVAL HISTORY

Complete one European or Non-Western history course with a focus on the European or Mediterranean area before C.E. 1500 or with the history of Africa or Asia before these areas fell heavily under European influence. This course may also be counted toward the fulfillment of the other distribution requirements above.

Ancient/Medieval History Course Options

Code	Title	Credits
HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 200	Historical Studies (Ancient/Medieval topics)	3-4
HIST SCI 201	The Origins of Scientific Thought	3
HISTORY 201	The Historian's Craft (Ancient/ Medieval topics)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY 223	Explorations in European History (H) (Ancient/Medieval topics)	3-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3
ILS 201	Western Culture: Science, Technology, Philosophy I	3

HISTORICAL RESEARCH

Select one course. This course may also be counted toward the fulfillment of the other distribution requirements above. HISTORY 201 is specifically designed to be a research methods course and is strongly recommended. Multiple topics will be offered every fall and spring under this number.

Historical Research Course Options

Code	Title	Credits
HISTORY 201	The Historian's Craft	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	3-4
HISTORY 418	History of Russia	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
HISTORY/ GEN&WS 519	Sexuality, Modernity and Social Change	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3

ELECTIVES

Complete additional coursework, if necessary, to reach the minimum of 24 credits. It is recommended that students completing the history minor take a one-year continuous course in American history (e.g., HISTORY 101 Amer Hist to the Civil War Era, the Origin & Growth of the U S and HISTORY 102 American History, Civil War Era to the Present).

MATHEMATICS AND SCIENCE DUAL, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

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Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

This minor is intended for Elementary Education and Elementary Education and Special Education majors wishing to enhance their content preparation in mathematics and science. It is particularly suitable for students who intend to teach mathematics and science in the middle school.

A minimum cumulative grade point average of 2.75 is required, based on all minor coursework taken on the UW–Madison campus.

MATHEMATICS COMPONENT

Students will contact a Student Services advisor or the Elementary Education Program Manager (see Contact Information) to choose a 12 credit group of mathematics courses that will:

1. Deepen their understanding of the reasoning, problem solving strategies, models, mathematical tools, structures, and principles, which underlie core elementary mathematics topics relevant to K-12 math education and related to fractions and rational numbers, proportional reasoning, measurement, algebraic thinking, Geometry and Measurement, and Algebra and Functions.
2. Develop the important mathematical practices, or habits of mind, that can support the learning of mathematics.

SCIENCE COMPONENT

The aim of the science component of this minor is for students to understand science as an intellectual activity. The goals of science and the diverse means by which scientific knowledge is generated and validated should be at the core of the science portion of this minor. Upon its completion, students should have had opportunities to understand some of the most powerful organizing ideas in the various scientific disciplines as well as how those ideas have been and are generated. Such an understanding should provide students with the fundamental tools and outlook necessary to teach the variety of science content typically taught in middle schools.

The committee that developed this science component has indicated that the primary purpose for the minor should be consistent with the goals of a liberal or general education, thus viewing the minor as an extension of the current liberal studies requirement. In addition to the 9 credits of science required for the liberal studies requirement, students completing this minor must also take 9 credits in science for the math–science dual minor. With these 18 credits it is possible to provide a minimal level of breadth and depth of science coursework. This minor is also expected to provide Elementary Education students with a background in the sciences that are most commonly taught at the middle school level.

Complete the following requirements:

- At least 18 credits from the courses listed below. Additional courses can be considered; please consult with an advisor in the School of Education Student Services office, 139 Education Building.
- One course in each of three of the four science areas of biology, chemistry, physics, and earth and space science from the approved list, below. Integrated Liberal Studies 153 does not count in any of the areas, but can count toward the 18 credit total.
- At least 6 credits of coursework from the courses listed below that are **not** marked with an asterisk (*). Courses with the asterisk are considered to be introductory level courses.

The following courses are approved for inclusion in the science component of the math/science minor:

Code	Title	Credits
ILS 153	Ways of Knowing in the Sciences *	4

Biology course options

Code	Title	Credits
Biochemistry		
All courses numbered 500 and above		
Biocore		
All courses		
Biology		
BIOLOGY/ ZOOLOGY 101	Animal Biology *	3
BIOLOGY/ ZOOLOGY 102	Animal Biology Laboratory *	2
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology *	5
BIOLOGY/BOTANY/ ZOOLOGY 152	Introductory Biology	5
Botany		
BOTANY 100	Survey of Botany *	3
BOTANY/ PL PATH 123	Plants, Parasites, and People *	3
BOTANY/ BIOLOGY 130	General Botany *	5
BOTANY/BIOLOGY/ ZOOLOGY 151	Introductory Biology *	5

BOTANY/BIOLOGY/ ZOOLOGY 152	Introductory Biology	5
BOTANY/ENVIR ST/ ZOOLOGY 260	Introductory Ecology *	3
All courses numbered 300 and above		
Entomology		
ENTOM/ ENVIR ST 201	Insects and Human Culture-a Survey Course in Entomology *	3
All courses numbered 300 and above		
Forest and Wildlife Ecology		
All courses numbered 300 and above		
Genetics		
All courses numbered 400 and above		
Microbiology		
MICROBIO 101	General Microbiology *	3
MICROBIO 102	General Microbiology Laboratory *	2
All courses numbered 300 and above		
Plant Pathology		
PL PATH/ BOTANY 123	Plants, Parasites, and People *	3
All courses numbered 300 and above		
Zoology		
ZOOLOGY/ BIOLOGY 101	Animal Biology *	3
ZOOLOGY/ BIOLOGY 102	Animal Biology Laboratory *	2
ZOOLOGY/ BIOLOGY/ BOTANY 151	Introductory Biology *	5
ZOOLOGY/ BIOLOGY/ BOTANY 152	Introductory Biology	5
ZOOLOGY/ BOTANY/ ENVIR ST 260	Introductory Ecology *	3
ZOOLOGY/ ENTOM 302	Introduction to Entomology	4
ZOOLOGY/ ENVIR ST 315	Limnology-Conservation of Aquatic Resources	2
ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3
Courses numbered 350 and above		

Chemistry course options

Code	Title	Credits
Biochemistry		
All courses numbered 500 and above		
Chemistry		
CHEM 103	General Chemistry I *	4
CHEM 104	General Chemistry II	5
CHEM 108	Chemistry in Our World *	5
CHEM 109	Advanced General Chemistry *	5
CHEM 115	Chemical Principles I *	5
CHEM 116	Chemical Principles II	5
All courses numbered 300 and above		

Physics course options

Code	Title	Credits
PHYSICS 103	General Physics *	4
PHYSICS 104	General Physics	4
PHYSICS 107	The Ideas of Modern Physics *	3
All courses numbered 200 and above		

Earth and Space Science course options

Code	Title	Credits
Astronomy		
ASTRON 103	The Evolving Universe: Stars, Galaxies, and Cosmology *	3
ASTRON 104	Our Exploration of the Solar System *	3
ASTRON 150	Topics in Astronomy	2
ASTRON 200	The Physical Universe *	3
ASTRON 236	The History of Matter in the Universe *	3
All courses numbered 200 and above		
Atmospheric and Oceanic Studies		
ATM OCN 100	Weather and Climate *	3
ATM OCN 101	Weather and Climate *	4
ATM OCN/ ENVIR ST/ GEOSCI 102	Climate and Climate Change *	3
ATM OCN/ GEOSCI 105	Survey of Oceanography *	3-4
ATM OCN/ ENVIR ST 171	Global Change: Atmospheric Issues and Problems *	2-3
All courses numbered 200 and above		
Geography		
GEOG/ ENVIR ST 120	Introduction to the Earth System *	3
GEOG/ENVIR ST 127	Physical Systems of the Environment *	4
All courses numbered 300 and above and designated as Physical Science		
Geoscience		
GEOSCI 100	Introductory Geology: How the Earth Works *	3
GEOSCI/ATM OCN/ ENVIR ST 102	Climate and Climate Change *	3
GEOSCI/ ATM OCN 105	Survey of Oceanography *	3-4
GEOSCI 110	Evolution and Extinction *	4
GEOSCI 202	Introduction to Geologic Structures	4
GEOSCI 204	Geologic Evolution of the Earth	4
GEOSCI 304	Geobiology	3
GEOSCI/GEOG 320	Geomorphology	3
GEOSCI/G L E 370	Elementary Petrology	3
GEOSCI/GEOG 420	Glacial and Pleistocene Geology	3
GEOSCI 430	Sedimentology and Stratigraphy	3

GEOSCI/G L E 455	Structural Geology	4
GEOSCI 456	Geologic Field Methods	2
All courses numbered 556 and above		

MATHEMATICS SPECIALIZED, MINOR

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HOW TO GET IN

HOW TO GET IN

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REQUIREMENTS

REQUIREMENTS

Complete a minimum of 22 credits to include the requirements listed below. A minimum cumulative grade point average of 2.75 is required, based on all minor coursework taken on the UW–Madison campus.

Code	Title	Credits
Required Courses		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
STAT 301	Introduction to Statistical Methods	3
Additional credits chosen from the following:		
MATH 234	Calculus--Functions of Several Variables	4
MATH/ COMP SCI 240	Introduction to Discrete Mathematics	3
MATH 340	Elementary Matrix and Linear Algebra	3
MATH 461	College Geometry I	3
MATH/HIST SCI 473	History of Mathematics	3

MATHEMATICS, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Mathematics is housed in the College of Letters & Science. Students may wish to consult with an undergraduate advisor in the department to discuss course selection and other issues related to this field of study. The current list of advisors and the schedule of office hours can be found on the departmental advising page (https://www.math.wisc.edu/undergraduate/advising/).

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 28 credits. A minimum cumulative grade point average of 2.75 is required, based on all UW–Madison coursework included in the minor.

Elementary Education students may also wish to consider the Specialized Mathematics minor, which exchanges some of the higher-level mathematics courses for a broader range of coursework in mathematics, computer sciences, and statistics. A mathematics/science dual minor option is also available.

The first 13 credits of the mathematics minor involves calculus-level coursework. Students may need to complete prerequisite coursework—e.g., MATH 112 College Algebra, MATH 113 Trigonometry—to reach this proficiency level. These preparatory courses may be used to meet the

liberal studies requirement, but may not be applied toward the credits required for the mathematics minor.

Code	Title	Credits
MATH 221	Calculus and Analytic Geometry 1	5
MATH 222	Calculus and Analytic Geometry 2	4
MATH 234	Calculus--Functions of Several Variables	4
MATH 340	Elementary Matrix and Linear Algebra	3
STAT 301	Introduction to Statistical Methods	3
MATH 461	College Geometry I	3
MATH 541	Modern Algebra	3

Because of prerequisites and scheduling issues, the sequencing of this coursework requires careful planning to be completed in a timely fashion. Students are encouraged to consult with an advisor regarding the appropriate sequencing of these courses.

PHYSICS, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Physics (https://www.physics.wisc.edu/) is housed in the College of Letters & Science. Students may wish to consult with an undergraduate advisor (https://www.physics.wisc.edu/undergraduate/contact-us/) in the physics department to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 22 credits. A minimum cumulative grade point average of 2.75 is required, based on all physics minor coursework taken on the UW–Madison campus.

INTRODUCTORY REQUIREMENTS

Code	Title	Credits
Select one of the following First Introductory Courses:		**5-6**
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
PHYSICS 247	A Modern Introduction to Physics [1]	
E M A 201 & E M A 202	Statics and Dynamics	
Select one of the following Second Introductory Courses:		**5**
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
PHYSICS 248	A Modern Introduction to Physics	
Select one of the following Third Introductory Courses:		**3-4**
PHYSICS 249	A Modern Introduction to Physics	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
PHYSICS 241	Introduction to Modern Physics	

[1] Any combination of courses can be used to satisfy the three introductory course requirements, but students may not transfer into the PHYSICS 247, PHYSICS 248, PHYSICS 249 sequence from another introductory sequence.

ADDITIONAL COURSE REQUIREMENTS

Code	Title	Credits
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	2
PHYSICS 311	Mechanics	3
PHYSICS 321	Electric Circuits and Electronics	4
Select physics electives, if necessary, to total 22 credits		

POLITICAL SCIENCE, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Political Science (https://polisci.wisc.edu/) is housed in the College of Letters & Science. Students may wish to consult with an undergraduate advisor (https://polisci.wisc.edu/advising-and-major-information/#advising) in the department to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public

Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 24 credits. A minimum cumulative grade point average of 2.75 is required, based on all Political Science minor coursework taken on the UW–Madison campus.

REQUIRED COURSES

Code	Title	Credits
Complete any Political Science course numbered 100-199 (one course)		3-4
POLI SCI 205	Introduction to State Government	3-4
or POLI SCI 405	State Government and Public Policy	
Research Methods		
Complete one of the following:		3-4
POLI SCI 170	Research Methods in Political Science	
POLI SCI 270	Understanding Political Numbers	
POLI SCI 274	Political Choice and Strategy	
POLI SCI 348	Analysis of International Relations	
POLI SCI/ JOURN/ URB R PL 373	Introduction to Survey Research	

DISTRIBUTION REQUIREMENTS

Complete at least one course from each of the four political science groups. Courses taken to meet the requirements above may be applied toward the course distribution.

Political Theory

Code	Title	Credits
POLI SCI 160	Introduction to Political Theory	3-4
POLI SCI 360	History of American Political Thought	3-4
POLI SCI 361	Contemporary American Political Thought	3-4
POLI SCI/ CLASSICS/ HISTORY 362	Athenian Democracy	3
POLI SCI 363	Literature and Politics	3-4
POLI SCI 364	Christian Political Thought	3-4
POLI SCI/ ILS/ITALIAN/ LITTRANS 365	Machiavelli and His World	3
POLI SCI 366	Continental Political Thought	3-4
POLI SCI 460	Topics in Political Philosophy	3-4
POLI SCI/ILS 463	Deception and Politics	4
POLI SCI/ GEN&WS 469	Women and Politics	3-4
POLI SCI/ AFROAMER 519	African American Political Theory	3-4
POLI SCI 590	Study Abroad Topics in Political Science: Political Theory	1-4

American Government

Code	Title	Credits
POLI SCI 104	Introduction to American Politics and Government	3-4
POLI SCI 205	Introduction to State Government	3-4
POLI SCI 206	Introduction to Political Psychology	3-4
POLI SCI/ LEGAL ST 217	Law, Politics and Society	3-4
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	3-4
POLI SCI 272	Introduction to Public Policy	3-4
POLI SCI/AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction	4
POLI SCI/ CHICLA 302	Mexican-American Politics	3-4
POLI SCI 304	The Political Economy of Race in the United States	3-4
POLI SCI 305	Elections and Voting Behavior	3-4
POLI SCI 306	American Political Parties	3-4
POLI SCI 311	United States Congress	3-4
POLI SCI 314	Criminal Law and Justice	3-4
POLI SCI 315	Legislative Internship	3
POLI SCI 402	Wisconsin in Washington Internship Course	4
POLI SCI 405	State Government and Public Policy	3-4
POLI SCI 408	The American Presidency	3-4
POLI SCI 411	The American Constitution : Powers and Structures of Government	4
POLI SCI 412	The American Constitution: Rights and Civil Liberties	4
POLI SCI 414	The Supreme Court as a Political Institution	3
POLI SCI 416	Community Power and Grass Roots Politics	3
POLI SCI 417	The American Judicial System	3-4
POLI SCI/ PUB AFFR 419	Administrative Law	3-4
POLI SCI 425	The Political Psychology of Polarization	3
POLI SCI/ LEGAL ST 445	Legal Writing, from Counselor to Advocate	3
POLI SCI 470	The First Amendment	3-4
POLI SCI 481	Honors Seminar on Race and Politics in the United States	3

POLI SCI 490	Study Abroad Topics in Political Science: American Government	1-4
POLI SCI 511	Campaign Finance	3-4
POLI SCI 515	Public Opinion	3-4
POLI SCI/ AFROAMER 519	African American Political Theory	3-4
POLI SCI 602	Wisconsin in Washington Advanced Public Policy Course	4

Comparative Politics

Code	Title	Credits
POLI SCI 120	Introduction to Comparative Politics	4
POLI SCI 182	Introduction to Comparative Politics (Honors)	3
POLI SCI/ CHICLA 231	Politics in Multi-Cultural Societies	3-4
POLI SCI/ASIAN/ GEOG/HISTORY/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
POLI SCI/GEOG/ HISTORY/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
POLI SCI/GEOG/ HISTORY/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations	3-4
POLI SCI/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/SOC/ SPANISH 260	Latin America: An Introduction	3-4
POLI SCI/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/SOC 277	Africa: An Introductory Survey	4
POLI SCI/AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction	4
POLI SCI 320	Governments and Politics of the Middle East and North Africa	3-4
POLI SCI 324	Chinese Politics	3-4
POLI SCI/ INTL ST 325	Social Movements and Revolutions in Latin America	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI 329	African Politics	3-4
POLI SCI 330	Political Economy of Development	3
POLI SCI 332	German Politics	3-4
POLI SCI 334	Russian Politics	3-4
POLI SCI 335	Social Identities	3
POLI SCI 336	Democracy (and Its Uncertain Future)	4
POLI SCI 338	The Civil-Military Paradox in U.S. Politics and Society	3
POLI SCI 339	Non-Democracies	3
POLI SCI/ JEWISH 341	Israeli Politics and Society	3-4
POLI SCI 342	State-Building: How States Are Formed, Function, and Influence Society	3-4
POLI SCI 344	The Russian War on Ukraine: Causes and Consequences	3
POLI SCI 349	Global Access to Justice	3
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI 358	States in the World: Comparative Foreign Policy	3-4
POLI SCI 370	Islam and Politics	3-4
POLI SCI/CHICLA/ HISTORY 422	Latino History and Politics	3
POLI SCI/ GEN&WS 429	Gender and Politics in Comparative Perspective	3-4
POLI SCI/ INTL ST 431	Contentious Politics	3-4
POLI SCI/ RELIG ST 433	Religion and Politics	3-4
POLI SCI/ INTL ST 434	The Politics of Human Rights	3-4
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
POLI SCI 437	Nationalism and Ethnic Conflict	3-4
POLI SCI/ INTL ST 439	The Comparative Study of Genocide	3-4
POLI SCI 442	Honors Seminar on State-Building	3
POLI SCI 529	Arab-Israeli Conflict	3-4
POLI SCI 635	Comparative Politics of Sport	3-4
POLI SCI 690	Study Abroad Topics in Political Science: Comparative Politics	1-4

International Relations

Code	Title	Credits
POLI SCI 140	Introduction to International Relations	3-4
POLI SCI/CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
POLI SCI 340	The European Union: Politics and Political Economy	3-4
POLI SCI 343	Theories of International Security	3-4
POLI SCI 345	Conflict Resolution	3-4
POLI SCI 346	China in World Politics	3-4
POLI SCI 347	Terrorism	3
POLI SCI 348	Analysis of International Relations	3-4
POLI SCI 350	International Political Economy	3-4
POLI SCI/ LEGAL ST 352	Transitional Justice in World Politics	3-4
POLI SCI 354	International Institutions and World Order	3-4
POLI SCI 356	Principles of International Law	3-4
POLI SCI 359	American Foreign Policy	3-4

POLI SCI 377	Nuclear Weapons and World Politics	3-4
POLI SCI 390	Study Abroad Topics in Political Science: International Relations	1-4
POLI SCI/ECON/ ENVIR ST/ URB R PL 449	Government and Natural Resources	3-4

ELECTIVES

Complete additional coursework, if necessary, to reach the minimum of 24 credits.

PREPARING TO TEACH ABROAD, CERTIFICATE

The Certificate in Preparing to Teach Abroad prepares undergraduate students interested in teaching beyond the U.S. to develop essential skills for engaging diverse learners in various educational settings. The program prepares students to teach a variety of subject matters including and beyond academics that revolve around student interests and job-site demands. It fosters skills for working with a wide age range spectrum from children to adults and builds confidence in entering new spaces, asking critical questions, and designing robust lessons that meet expected learning goals. Students will engage with multiple models of culturally responsive teaching while critically examining challenges to such models in different global contexts.

Through this certificate, students will explore the complexities of formal and informal education beyond U.S. pedagogical frameworks, identifying and analyzing both mainstream and contested narratives about education in non-U.S. settings and their implications for lesson planning. Coursework and field experiences will provide opportunities to:

- Prepare culturally responsive lessons and participate in cross-cultural field experiences, considering the role of power in constructions such as race, gender, disability, socioeconomic status (SES), and language.
- Examine educational thought in both informal and formal education settings, reflecting on how different traditions and systems shape teaching and learning.
- Engage in fieldwork in U.S. settings in person and in non-U.S. settings virtually to reflect on issues of teaching, curriculum, and learning across cultural contexts.
- Analyze power relations in education, paying close attention to colonial legacies, hierarchies, and assumptions about difference that emerge in cross-cultural teaching.

The certificate is open to all domestic and international undergraduate students seeking to develop skills in analyzing cultural contexts, planning instruction, designing curriculum, and teaching in professional communities beyond the U.S. While it does not lead to a K-12 public school teaching license, it enhances competitiveness for international teaching positions and strengthens applications for Fulbright ETA, Peace Corps, international internships, and study abroad programs.

The certificate is also a gateway to post-undergraduate study opportunities in education. Its content is not restricted by state-based teacher education requirements, making it valuable preparation for graduate programs and teaching assistantships in the field of education more broadly.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the Certificate in Preparing to Teach Abroad. To declare the certificate, students should meet with the Certificate advisor and then visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

REQUIREMENTS

REQUIREMENTS

The Certificate in Preparing to Teach Abroad requires the following course distribution for a minimum of 15 credits. At least 8 credits must be completed in residence. Completion of the certificate requires a minimum GPA of 2.0 in certificate coursework.

REQUIRED COURSES

Code	Title	Credits
CURRIC 366	Internationalizing Educational Knowledge	3
CURRIC 418	Preparing to Teach Abroad	3
CURRIC 419	Preparing to Teach Abroad Capstone	3

ELECTIVES

The 6 credits of electives can be taken concurrently with required certificate classes. Students can choose to concentrate their electives on the following themes, but are not required to do so. In selecting courses we will encourage students to consider courses both relevant to the areas of interest, but also issues raised in the certificate's required courses. Course selection can be guided in consultation with the certificate advisor.

FOCUS ON SCHOOL OF EDUCATION-ORIENTED TOPICS

Courses in this section include special education, bilingual education, educational psychology and educational policy studies.

Code	Title	Credits
RP & SE 300	Individuals with Disabilities	3
RP & SE 330	Behavior Analysis: Applications to Persons with Disabilities	3
CURRIC 292	Globalizing Education	3
CURRIC 312	Foundations of ESL Education	3
CURRIC 676	Bilingualism and Biliteracy in Schools	3
ED PSYCH 301	How People Learn	3
ED PSYCH 320	Human Development in Infancy and Childhood	2-3
ED PSYCH 321	Human Development in Adolescence	2-3
ED PSYCH 326	Mind, Brain and Education	3
ED PSYCH 331	Human Development From Childhood Through Adolescence	3

ED PSYCH 509	Embodied Cognition & Education	3
ED POL/ HISTORY 107	The History of the University in the West	3
ED POL/ INTL ST 220	Human Rights and Education	3
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	3
ED POL 240	Comparative Education	3
ED POL 260	Introduction to International Education Development	3
ED POL 274	Education Studies--Study Abroad/ Global Education	1-3
ED POL/ INTL ST 335	Globalization and Education	3
ED POL 675	Introduction to Comparative and International Education	3

FOCUS ON HISTORICAL, CULTURAL AND SOCIAL CONTEXTS

Code	Title	Credits
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFROAMER 271	Selected Topics in African American Culture	3
ASIAN 203		3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ENGL 415	Introduction to TESOL Methods	3
GEOG 307	International Migration, Health, and Human Rights	3
GEOG 318	Introduction to Geopolitics	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG 340	World Regions in Global Context	3
GEOG 355	Africa, South of the Sahara	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG 359	Australia: Environment and Society	3
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY 142	History of South Asia to the Present	3-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY 348	France from Napoleon to the Great War, 1799-1914	3-4
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
INTL ST 266	Introduction to the Middle East	3
INTL ST/GEOG 311	The Global Game: Soccer, Politics, and Identity	3
INTL ST/A A E 373	Globalization, Poverty and Development	3
INTL ST/A A E 374	The Growth and Development of Nations in the Global Economy	3
INTL ST 401	Topics in Global Security	3-4
INTL ST 402	Topics in Politics and Policy in the Global Economy	3-4
INTL ST 403	Topics in Culture in the Age of Globalization	3-4
INTL ST 501	Study Abroad Topics in Global Security	1-6
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy	1-6
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization	1-6
INTL ST 601	Topics in Global Security	1-4
INTL ST 602	Topics in Politics and Policy in the Global Economy	1-4
INTL ST 603	Topics in Culture in the Age of Globalization	1-4
LACIS/CHICLA/ HISTORY/ POLI SCI 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
LACIS 440	Topics in Latin American, Caribbean, and Iberian Studies	1-4
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey	4
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey	4

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Analyze issues of coloniality, power, and difference as they relate to teaching, learning, and curriculum in non-US settings.
2. Examine key cultural, social, and historical relationships to educational knowledges before entering a pedagogical space abroad.
3. Identify curriculum and teaching practices that produce difference and exclusions, focusing on the intersection of transnational and local contexts.
4. Develop culturally responsive practices and pedagogies focused on teaching abroad.
5. Use experiential knowledge of practicum teaching to reflect on pedagogical practices and contextual differences in non-US contexts.

PSYCHOLOGY, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Psychology (https://psych.wisc.edu/) is housed in the College of Letters & Science. Students interested in completing an additional major in psychology may wish to consult with an undergraduate advisor (https://psych.wisc.edu/undergraduate-program/advising/) in the department to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 26 credits. A minimum cumulative grade point average of 2.75 is required, based on all psychology minor coursework taken at UW–Madison. Students wishing to complete an additional major in psychology through the College of Letters & Science must also complete supporting coursework in introductory biology; see Requirements for the Major (p. 1266).

Code	Title	Credits
PSYCH 202	Introduction to Psychology	3-4
PSYCH 210	Basic Statistics for Psychology	3
PSYCH 225	Research Methods	4
PSYCH 405	Adult Psychopathology	3-4
PSYCH 456	Social Psychology	3-4
PSYCH 403	Psychology of Personality	3
PSYCH 414	Cognitive Psychology	3
Select one of the following:		3-4
PSYCH 449	Animal Behavior	
PSYCH 450	Primate Psychology: Insights into Human Behavior	
PSYCH 454	Behavioral Neuroscience	
Select additional coursework, if necessary, to reach the minimum of 26 credits		

SCIENCE SPECIALIZED, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

Students may wish to consult with an advisor in the School of Education Student Services office, 139 Education Building, to discuss course selection and other issues related to this field of study. Current students can schedule a Student Services appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 22 credits selected from one or more of the following areas. Courses must be taken from the departments indicated. A minimum 2.75 grade point average is required, based on all UW–Madison coursework included in this minor.

- Biology: Departments of Botany (https://guide.wisc.edu/courses/botany/), Zoology (https://guide.wisc.edu/courses/zoology/), and Bacteriology (https://guide.wisc.edu/courses/microbio/) (Microbiology course listings)
- Chemistry: Departments of Chemistry (https://guide.wisc.edu/courses/chem/) and Biochemistry (https://guide.wisc.edu/courses/biochem/)
- Physics: Department of Physics (https://guide.wisc.edu/courses/physics/)
- Earth Science: Departments of Astronomy (https://guide.wisc.edu/courses/astron/), Geography (https://guide.wisc.edu/courses/geog/) (Physical Geography courses designated as Physical Science only), Geoscience (https://guide.wisc.edu/courses/geosci/), and Atmospheric and Oceanic Sciences (https://guide.wisc.edu/courses/atm_ocn/).

At least 10 of the 22 credits must be numbered 200 and above.

SOCIAL STUDIES, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

Students may wish to consult with an advisor in the School of Education Student Services office, 139 Education Building, to discuss course selection and other issues related to this field of study. Current students can schedule a Student Services appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, (soeacademicservices@education.wisc.edu) by calling 608-262-1651, or in person.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete 24 credits to include the requirements listed below. A minimum 2.75 grade point average is required, based on all UW–Madison course work included in the Social Studies minor. The courses listed here will meet this requirement, but additional courses may be considered. Confer with an advisor in the School of Education Student Services office, 139 Education Building, 1000 Bascom Mall, 608-262-1651, for consideration of additional courses.

Some courses may be listed in multiple categories, but can count in only one.

HISTORY/CIVILIZATIONS

United States or European History

Select one course from the following.

United States or European History course options

Code	Title	Credits
African American Studies		
AFROAMER 154	Hip-Hop and Contemporary American Society	3
AFROAMER 156	Black Music and American Cultural History	3
AFROAMER 231	Introduction to African American History	3
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ AFRICAN/HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFROAMER 302	Undergraduate Studies in Afro-American History	3
AFROAMER/ HISTORY 321	Afro-American History Since 1900	3-4
AFROAMER/ HISTORY 322	African American History to 1900	3
AFROAMER/ GEN&WS 323	Gender, Race and Class: Women in U.S. History	3
AFROAMER/ GEN&WS 324	Black Women in America: Reconstruction to the Present	3
AFROAMER/ GEN&WS 326	Race and Gender in Post-World War II U.S. Society	3

AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ HISTORY 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER/ ED POL 567	History of African American Education	3
AFROAMER/ HISTORY 628	History of the Civil Rights Movement in the United States	3
AFROAMER 631	Colloquium in Afro-American History	3
AFROAMER 671	Selected Topics in Afro-American History	3
American Indian Studies		
AMER IND 100	Introduction to American Indian Studies	3
AMER IND 250	Indians of Wisconsin	3
AMER IND/ ANTHRO 314	Indians of North America	3
AMER IND/ SOC WORK 636	Social Work in American Indian Communities: The Indian Child Welfare Act	3
Asian American Studies		
ASIAN AM/ AFROAMER/ AMER IND/CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
ASIAN AM/ HISTORY 160	Asian American History: Movement and Dislocation	3-4
ASIAN AM/ HISTORY 161	Asian American History: Settlement and National Belonging	3-4
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM/ASIAN/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN AM 441	Hmong American Social Movements in the 20th and 21st Centuries	3
Chicana/o and Latina/o Studies		
CHICLA/ AFROAMER/ AMER IND/ ASIAN AM/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
CHICLA/ HISTORY 151	The North American West to 1850	3-4
CHICLA/ HISTORY 152	The United States West Since 1850	3-4
CHICLA/ HISTORY 153	Latina/Latino/Latinx History	3-4
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
CHICLA/GEN&WS/ HISTORY 245	Chicana and Latina History	3
CHICLA 301	Chicana/o and Latina/o History	3
CHICLA 315	Racial Formation and Whiteness	3
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	3
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	3
CHICLA/HISTORY/ POLI SCI 422	Latino History and Politics	3
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
Classics		
CLASSICS 206	Classical Influences on Western Art and Science	3
Community Environmental Sociology		
C&E SOC/HISTORY/ POLI SCI/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
Educational Policy Studies		
ED POL/ HISTORY 107	The History of the University in the West	3
ED POL/ HISTORY 412	History of American Education	3
ED POL/ AFROAMER 567	History of African American Education	3
ED POL/ HISTORY 612	History of Student Activism from the Popular Front to Black Lives Matter	3
Environmental Studies		
ENVIR ST/GNS 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
Gender and Women's Studies		
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
History—United States History		
HISTORY 101	Amer Hist to the Civil War Era, the Origin & Growth of the U S	4
HISTORY 102	American History, Civil War Era to the Present	4
HISTORY/ ED POL 107	The History of the University in the West	3
HISTORY 109	Introduction to U.S. History	3-4
HISTORY/ENVIR ST/ HIST SCI 125	Green Screen: Environmental Perspectives through Film	3
HISTORY 136	Sport, Recreation, & Society in the United States	3-4
HISTORY/ ED POL 143	History of Race and Inequality in Urban America	3
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ CHICLA 151	The North American West to 1850	3-4
HISTORY/ CHICLA 152	The United States West Since 1850	3-4
HISTORY/ CHICLA 153	Latina/Latino/Latinx History	3-4
HISTORY 154	Who is an American?	3-4

HISTORY 155	The Long Black Freedom Struggle from the Civil War to the Present	3-4
HISTORY/ ASIAN AM 160	Asian American History: Movement and Dislocation	3-4
HISTORY/ ASIAN AM 161	Asian American History: Settlement and National Belonging	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY/ AMER IND 190	Introduction to American Indian History	3-4
HISTORY 201	The Historian's Craft (U.S. topics)	3-4
HISTORY/ JEWISH 213	Jews and American Pop. Culture	3-4
HISTORY/ JEWISH 219	The American Jewish Experience: From Shtetl to Suburb	4
HISTORY 221	Explorations in American History (H)	3-4
HISTORY 227	Explorations in the History of Race and Ethnicity	3
HISTORY/ART HIST/ ENVIR ST/GEOG/ LAND ARC 239	Making the American Landscape	3-4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/C&E SOC/ POLI SCI/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
HISTORY/ LEGAL ST 261	American Legal History to 1860	3
HISTORY/ LEGAL ST 262	American Legal History, 1860 to the Present	3
HISTORY 269	War, Race, and Religion in Europe and the United States, from the Scramble for Africa to Today	3-4
HISTORY 272	History Study Abroad: United States History	1-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4
HISTORY 302	History of American Thought, 1859 to the Present	3-4
HISTORY 306	The United States Since 1945	3-4
HISTORY/ AFROAMER 321	Afro-American History Since 1900	3-4
HISTORY/ AFROAMER 322	African American History to 1900	3
HISTORY 329	History of American Capitalism	4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY 344	The Age of the American Revolution, 1763-1789	3-4
HISTORY 345	Military History of the United States	3-4
HISTORY/ GEN&WS 353	Women and Gender in the U.S. to 1870	3-4
HISTORY/ GEN&WS 354	Women and Gender in the U.S. Since 1870	3-4
HISTORY/CHICLA/ LACIS/POLI SCI 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
HISTORY/ AMER IND 380	Sovereignty and the Schoolhouse	3
HISTORY/ AFROAMER 393	Slavery, Civil War, and Reconstruction, 1848-1877	3-4
HISTORY 401	Public History Workshop	3
HISTORY 403	Immigration and Assimilation in American History	3-4
HISTORY/ ED POL 412	History of American Education	3
HISTORY/CHICLA/ POLI SCI 422	Latino History and Politics	3
HISTORY 427	The American Military Experience to 1902	3-4
HISTORY 428	The American Military Experience Since 1899	3-4
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
HISTORY/ ECON 466	The American Economy Since 1865	3-4
HISTORY/ JOURN 560	History of U.S. Media	4
HISTORY 607	The American Impact Abroad: The Historical Dimension	3
HISTORY/ ED POL 612	History of Student Activism from the Popular Front to Black Lives Matter	3
HISTORY/ AFROAMER 628	History of the Civil Rights Movement in the United States	3

History—European History

HISTORY/ CLASSICS 110	The Ancient Mediterranean	4
HISTORY 115	Medieval Europe 410-1500	4
HISTORY 119	Europe and the World, 1400-1815	4
HISTORY 120	Europe and the Modern World 1815 to the Present	4
HISTORY 123	English History: England to 1688	3-4
HISTORY 124	Britain since 1688	4
HISTORY 201	The Historian's Craft (European topics)	3-4
HISTORY/ RELIG ST 208	Western Intellectual and Religious History to 1500	3-4
HISTORY/ RELIG ST 209	Western Intellectual and Religious History since 1500	3-4
HISTORY/ RELIG ST 212	The History of Western Christianity to 1750	4

HISTORY/ JEWISH 220	Introduction to Modern Jewish History	4
HISTORY 223	Explorations in European History (H)	3-4
HISTORY 224	Explorations in European History (S)	3
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/ GEOG/POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
HISTORY/ GEOG/POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
HISTORY 270	Eastern Europe since 1900	3-4
HISTORY 271	History Study Abroad: European History	1-4
HISTORY 303	A History of Greek Civilization	3-4
HISTORY 307	A History of Rome	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ JEWISH 310	The Holocaust	3-4
HISTORY/ HIST SCI 323	The Scientific Revolution: From Copernicus to Newton	3
HISTORY/ ENVIR ST 328	Environmental History of Europe	3
HISTORY 348	France from Napoleon to the Great War, 1799-1914	3-4
HISTORY 349	Contemporary France, 1914 to the Present	3-4
HISTORY 350	The First World War and the Shaping of Twentieth-Century Europe	3-4
HISTORY 357	The Second World War	3-4
HISTORY 358	French Revolution and Napoleon	3-4
HISTORY 359	History of Europe Since 1945	3-4
HISTORY/ENGL/ RELIG ST 360	Early Medieval England	3
HISTORY/ CLASSICS/ POLI SCI 362	Athenian Democracy	3
HISTORY/ INTL ST 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
HISTORY/ GEN&WS 392	Women and Gender in Modern Europe	3-4
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800	3
HISTORY 410	History of Germany, 1871 to the Present	3-4
HISTORY/ RELIG ST 411	The Enlightenment and Its Critics	3
HISTORY 417	History of Russia	3-4
HISTORY 418	History of Russia	3-4
HISTORY 419	History of Soviet Russia	3-4
HISTORY 420	Russian Social and Intellectual History	3-4
HISTORY 424	The Soviet Union and the World, 1917-1991	3-4
HISTORY/ LEGAL ST 426	The History of Punishment	3-4
HISTORY/ SCAND ST 431	History of Scandinavia to 1815	3
HISTORY/ SCAND ST 432	History of Scandinavia Since 1815	3
HISTORY/ LEGAL ST 459	Rule of Law: Philosophical and Historical Models	3-4
HISTORY/ LEGAL ST 476	Medieval Law and Society	3
HISTORY/ ED POL 478	Comparative History of Childhood and Adolescence	3
HISTORY/HIST SCI/ MED HIST 508	Health, Disease and Healing II	3-4
HISTORY/ CURRIC/ED POL/ JEWISH 515	Holocaust: History, Memory and Education	3
HISTORY/ CLASSICS/ RELIG ST 517	Religions of the Ancient Mediterranean	3
HISTORY/ JEWISH 518	Anti-Semitism in European Culture, 1700-1945	3
HISTORY/ SCAND ST 577	Contemporary Scandinavia: Politics and History	3-4
History of Science		
HIST SCI/HISTORY/ MED HIST 132	Bees, Trees, Germs, and Genes: A History of Biology	3
HIST SCI 150	The Digital Age	3
HIST SCI/ HISTORY 171	History of Medicine in Film	3-4
HIST SCI 201	The Origins of Scientific Thought	3
HIST SCI 218	History of Twentieth Century American Medicine	3
HIST SCI/ AFROAMER 275	Science, Medicine, and Race: A History	3
HIST SCI 404	A History of Disease	3-4
HIST SCI/ MED HIST 509	The Development of Public Health in America	3
HIST SCI/ AFROAMER/ MED HIST 523	Race, American Medicine and Public Health	3
HIST SCI/GEN&WS/ MED HIST 531	Women and Health in American History	3
HIST SCI/GEN&WS/ MED HIST 532	The History of the (American) Body	3
HIST SCI/ GEN&WS 537	Childbirth in the United States	3
Integrated Liberal Studies		
ILS 201	Western Culture: Science, Technology, Philosophy I	3
ILS 202	Western Culture: Science, Technology, Philosophy II	3
International Studies		

INTL ST/ HISTORY 332	East Asia & The U.S. Since 1899	3-4
Legal Studies		
LEGAL ST/ ENVIR ST/ HISTORY 430	Law and Environment: Historical and Contemporary Perspectives	3
Political Science		
POLI SCI/C&E SOC/ HISTORY/SOC 259	Forward? The Wisconsin Idea, Past and Present	1-3
POLI SCI/CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI/CHICLA/ HISTORY 422	Latino History and Politics	3
Scandinavian Studies		
SCAND ST 348	The Second World War in Nordic Culture	3
Sociology		
SOC/C&E SOC/ HISTORY/ POLI SCI 259	Forward? The Wisconsin Idea, Past and Present	1-3

World/Global or Non-Western History

Select one course from the following.

World/Global or Non-Western History course options

Code	Title	Credits
African Cultural Studies		
AFRICAN/ HISTORY 129	Africa on the Global Stage	3-4
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	4
African American Studies		
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4
AFROAMER/ AFRICAN/ANTHRO/ GEOG/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
AFROAMER/ AFRICAN/HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
Anthropology		
ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
ANTHRO/AFRICAN/ AFROAMER/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
ANTHRO/ AMER IND 314	Indians of North America	3
ANTHRO 333	Prehistory of Africa	3
Asian Languages and Cultures		
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN 252	Contemporary Indian Society	3
ASIAN/HISTORY/ RELIG ST 308	Introduction to Buddhism	3-4
ASIAN/AFRICAN/ RELIG ST 370	Islam: Religion and Culture	3-4
ASIAN/ HISTORY 458	History of Southeast Asia Since 1800	3-4
Community Environmental Sociology		
C&E SOC/ AFROAMER/ ANTHRO/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
Gender and Women's Studies		
GEN&WS/ HISTORY 134	Women and Gender in World History	3-4
Geography		
GEOG/ASIAN/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
GEOG/AFROAMER/ ANTHRO/C&E SOC/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
GEOG/AFRICAN/ AFROAMER/ ANTHRO/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
History		
HISTORY/ASIAN 103	Introduction to East Asian History: China	3-4

HISTORY/ASIAN 104	Introduction to East Asian History: Japan	3-4
HISTORY/ AFRICAN 106	Introduction to African History	3-4
HISTORY/ASIAN 108	Introduction to East Asian History - Korea	3-4
HISTORY/ AFRICAN 129	Africa on the Global Stage	3-4
HISTORY 130	An Introduction to World History	3-4
HISTORY 133	Global Military History (5000 BCE - Present)	3-4
HISTORY/ GEN&WS 134	Women and Gender in World History	3-4
HISTORY 139	Introduction to the Modern Middle East	3-4
HISTORY 142	History of South Asia to the Present	3-4
HISTORY 145	America and China, 1776-Today	3-4
HISTORY/ INTL ST 146	A Global History of Now	3-4
HISTORY 170	East Meets West: Myth, Meaning, and Modernity	3-4
HISTORY 179	Afro-Atlantic Histories and Peoples, 1791-Present	3-4
HISTORY 201	The Historian's Craft (Topic must be approved)	3-4
HISTORY/ RELIG ST 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
HISTORY 225	Explorations in Third World History (H)	3-4
HISTORY 229	Explorations in Transnational/ Comparative History (Humanities) (Topic must be approved)	3
HISTORY/INTL ST/ LACIS 242	Modern Latin America	4
HISTORY/LACIS 243	Colonial Latin America: Invasion to Independence	3-4
HISTORY/ASIAN/ GEOG/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
HISTORY/CHICLA/ GEN&WS 245	Chicana and Latina History	3
HISTORY/ASIAN/ ASIAN AM 246	Southeast Asian Refugees of the "Cold" War	4
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY 273	History Study Abroad: Non-Western History	1-4
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 278	Africans in the Americas, 1492-1808	3-4
HISTORY/AFRICAN/ AFROAMER/ POLI SCI 297	African and African-American Linkages: An Introduction	4
HISTORY/ASIAN/ RELIG ST 308	Introduction to Buddhism	3-4
HISTORY/ MEDIEVAL/ RELIG ST 309	The Crusades: Christianity and Islam	3-4
HISTORY/ASIAN 319	The Vietnam Wars	3-4
HISTORY/ INTL ST 332	East Asia & The U.S. Since 1899	3-4
HISTORY/ ASIAN 335	The Koreas: Korean War to the 21st Century	3-4
HISTORY 336	Chinese Economic and Business History: From Silk to iPhones	3-4
HISTORY/ ASIAN 337	Social and Intellectual History of China, 589 AD-1919	3-4
HISTORY 340	Cultural History of Korea	3-4
HISTORY/ASIAN 341	History of Modern China, 1800-1949	3-4
HISTORY/ ASIAN 342	History of the Peoples Republic of China, 1949 to the Present	3-4
HISTORY/ AFROAMER 347	The Caribbean and its Diasporas	3
HISTORY/ ASIAN 363	China and World War II in Asia	3-4
HISTORY/ RELIG ST 409	Christianity in the Atlantic World, 1500-1800	3
HISTORY/CHICLA/ POLI SCI 422	Latino History and Politics	3
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY 450	Making of Modern South Asia	3-4
HISTORY/ ASIAN 454	Samurai: History and Image	3-4
HISTORY/ ASIAN 456	Pearl Harbor & Hiroshima: Japan, the US & The Crisis in Asia	3-4
HISTORY/ ASIAN 458	History of Southeast Asia Since 1800	3-4
HISTORY/ ASIAN 463	Topics in South Asian History	3
HISTORY/ ENVIR ST 465	Global Environmental History	3-4
HISTORY/HIST SCI/ MED HIST 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
International Studies		
INTL ST 266	Introduction to the Middle East	3
Medieval Studies		
MEDIEVAL/ HISTORY/ RELIG ST 309	The Crusades: Christianity and Islam	3-4

Political Science		
POLI SCI/ASIAN/ GEOG/HISTORY/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
POLI SCI/ASIAN/ HISTORY 255	Introduction to East Asian Civilizations	3-4
POLI SCI/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/SOC/ SPANISH 260	Latin America: An Introduction	3-4
POLI SCI/CHICLA/ HISTORY/ LACIS 268	The U.S. & Latin America from the Colonial Era to the Present: A Critical Survey	3
POLI SCI/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/SOC 277	Africa: An Introductory Survey	4
POLI SCI/AFRICAN/ AFROAMER/ HISTORY 297	African and African-American Linkages: An Introduction	4
POLI SCI/CHICLA/ HISTORY/LACIS 355	Labor in the Americas: US & Mexico in Comparative & Historical Perspective	3
POLI SCI 370	Islam and Politics	3-4
Religious Studies		
RELIG ST/ HISTORY 205	The Making of the Islamic World: The Middle East, 500-1500	3-4
RELIG ST/ ASIAN 306	Hinduism	3
RELIG ST/ASIAN/ HISTORY 308	Introduction to Buddhism	3-4
RELIG ST/HISTORY/ MEDIEVAL 309	The Crusades: Christianity and Islam	3-4
RELIG ST/AFRICAN/ ASIAN 370	Islam: Religion and Culture	4
Sociology		
SOC/ASIAN/ GEOG/HISTORY/ POLI SCI 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
SOC/AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SPANISH 260	Latin America: An Introduction	3-4
SOC/AFRICAN/ AFROAMER/ ANTHRO/ GEOG/HISTORY/ POLI SCI 277	Africa: An Introductory Survey	4
Spanish		
SPANISH/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC 260	Latin America: An Introduction	3-4

LANDS/PEOPLE

United States or Europe

Select one course from the following.

United States or European course options

Code	Title	Credits
African American Studies		
AFROAMER 101	Introduction to African American Studies	3
AFROAMER 151	Introduction to Contemporary Afro-American Society	3
AFROAMER 154	Hip-Hop and Contemporary American Society	3
AFROAMER 156	Black Music and American Cultural History	3
AFROAMER/ GEN&WS 221	Introduction to Black Women's Studies	3
AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC/SPANISH 260	Latin America: An Introduction	3-4
AFROAMER 272	Race and American Politics from the New Deal to the New Right	3
AFROAMER/ AFRICAN/HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFROAMER 303	Blacks, Film, and Society	3
AFROAMER/ GEN&WS 333	Black Feminisms	3
AFROAMER/ HISTORY 347	The Caribbean and its Diasporas	3
AFROAMER/ POLI SCI 519	African American Political Theory	3-4
AFROAMER/ HIST SCI/ MED HIST 523	Race, American Medicine and Public Health	3
AFROAMER/ GEN&WS 624	African American Women's Activism (19th & 20th Centuries)	3
AFROAMER 673	Selected Topics in Afro-American Society	3
American Indian Studies		
AMER IND 100	Introduction to American Indian Studies	3
AMER IND 185	Indigenous Athletes and Sports	3
AMER IND 230	Indigenous Resistance and Activism	3
AMER IND 250	Indians of Wisconsin	3
AMER IND/ ANTHRO 314	Indians of North America	3

AMER IND/ LINGUIS 371	Survey of North American Indian Languages	3
AMER IND/ ANTHRO/ FOLKLORE/ GEN&WS 437	American Indian Women	3
AMER IND 450	Issues in American Indian Studies	3
AMER IND/ C&E SOC/SOC 578	Poverty and Place	3
Anthropology		
ANTHRO 104	Cultural Anthropology and Human Diversity	3
Asian American Studies		
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
ASIAN AM 240	Topics in Asian American Studies	3
ASIAN AM/ COM ARTS 420	Asian Americans and Media	3
ASIAN AM 540	Special Topics	3
ASIAN AM/ JOURN 662	Mass Media and Minorities	4
Chican@ and Latin@ Studies		
CHICLA/ AFROAMER/ AMER IND/ ASIAN AM/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
CHICLA/ POLI SCI 231	Politics in Multi-Cultural Societies	3-4
CHICLA 330	Topics in Chicano/a Studies	3-4
CHICLA/ GEN&WS 332	Latinas: Self Identity and Social Change	3
CHICLA/ COM ARTS 347	Race, Ethnicity, and Media	3
CHICLA/ SPANISH 364	Survey of Latinx/e Popular Culture	3
CHICLA/ COM ARTS 419	Latino/as and Media	3
CHICLA/ HISTORY 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
Geography		
GEOG/HISTORY/ POLI SCI/ SLAVIC 253	Russia: An Interdisciplinary Survey	4
GEOG/HISTORY/ POLI SCI/ SLAVIC 254	Eastern Europe: An Interdisciplinary Survey	4
GEOG 342	Geography of Wisconsin	3
GEOG 344	Changing Landscapes of the American West	3
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges	3
Landscape Architecture		
LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	3
Sociology		
SOC 120	Marriage and Family	3-4
SOC 125	American Society: How It Really Works	3-4
SOC 134	Sociology of Race & Ethnicity in the United States	3-4
SOC 138	The Sociology of Gender	3-4
SOC 170	Population Problems	3-4
SOC 300	Sociology of Race, Class, Gender, and Sexuality	3

Global Comparative or Non-Western Cultures

Select one course from the following.

Global Comparative or Non-Western Cultures course options

Code	Title	Credits
African Cultural Studies		
AFRICAN/ HISTORY 129	Africa on the Global Stage	3-4
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal	3
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN/ AFROAMER 233	Global HipHop and Social Justice	3
AFRICAN/ AFROAMER/ ANTHRO/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
AFRICAN/ AFROAMER/ HISTORY/ POLI SCI 297	African and African-American Linkages: An Introduction	4
AFRICAN/ASIAN/ RELIG ST 370	Islam: Religion and Culture	3-4
AFRICAN 403	Theories of African Cultural Studies	3
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	3
AFRICAN/ COM ARTS/ L I S 444	Technology and Development in Africa and Beyond	3
Anthropology		
ANTHRO 100	General Anthropology	3
ANTHRO 102	Archaeology and the Prehistoric World	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
Asian American Studies		

ASIAN AM/ASIAN/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
Asian Languages and Cultures		
ASIAN/GEOG/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN/ASIAN AM/ HISTORY 246	Southeast Asian Refugees of the "Cold" War	4
ASIAN 252	Contemporary Indian Society	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
CHICLA		
CHICLA/ SPANISH 215	Border and Migration Studies of Latinx America	3
Environmental Studies		
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
Folklore		
FOLKLORE/ SCAND ST 443	Sami Culture, Yesterday and Today	4
Gender and Womens Studies		
GEN&WS/ CHICLA 334	Feminist Social Movements Across the Americas	3
GEN&WS 423	The Female Body in the World: Gender and Contemporary Body Politics in Cross Cultural Perspective	3
GEN&WS/ POLI SCI 435	Politics of Gender and Women's Rights in the Middle East	3
GEN&WS 444	From Past Feminisms to Postfeminism: Feminisms for the 21st Century	3
Geography		
GEOG 101	Introduction to Human Geography	4
GEOG/ ENVIR ST 139	Global Environmental Issues	3
GEOG/ASIAN/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
GEOG/AFROAMER/ ANTHRO/C&E SOC/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
GEOG/AFRICAN/ AFROAMER/ ANTHRO/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
GEOG 301	Revolutions and Social Change	3
GEOG 302	Economic Geography: Locational Behavior	4
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
GEOG/INTL ST 311	The Global Game: Soccer, Politics, and Identity	3
GEOG/INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	3
GEOG 318	Introduction to Geopolitics	3
GEOG/ ENVIR ST 339	Environmental Conservation	4
GEOG 340	World Regions in Global Context	3
GEOG 355	Africa, South of the Sahara	3
GEOG 358	Human Geography of Southeast Asia	3
GEOG/ENVIR ST/ HISTORY 460	American Environmental History	4
GEOG 501	Space and Place: A Geography of Experience	3
GEOG/ GEN&WS 504	Feminist Geography: Theoretical Approaches	3
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	3
History		
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
HISTORY/AFRICAN/ AFROAMER/ ANTHRO/GEOG/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY 450	Making of Modern South Asia	3-4
International Studies		
INTL ST 266	Introduction to the Middle East	3
Latin American, Caribbean, and Iberian Studies		
LACIS/AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
LACIS/CHICLA/ ED POL 342	Education across the Americas: Empire, Capitalism, and Resistance	3
Political Science		
POLI SCI 320	Governments and Politics of the Middle East and North Africa	3-4
POLI SCI 328	Politics of East and Southeast Asia	3-4
POLI SCI/ JEWISH 341	Israeli Politics and Society	3-4
POLI SCI 349	Global Access to Justice	3
POLI SCI/ GEN&WS 435	Politics of Gender and Women's Rights in the Middle East	3
Sociology		
SOC/C&E SOC 140	Introduction to Community and Environmental Sociology	4
SOC 170	Population Problems	3-4

ELECTIVES

Choose additional electives to reach the minimum of 24 credits. Electives must be chosen from the courses listed above or from the departments of Economics (https://guide.wisc.edu/courses/econ/), Geography (https://guide.wisc.edu/courses/geog/), History (https://guide.wisc.edu/courses/history/), Political Science (https://guide.wisc.edu/courses/poli_sci/), Psychology (https://guide.wisc.edu/courses/psych/) and Sociology (https://guide.wisc.edu/courses/soc/).

RECOMMENDED COURSE OPTIONS

It is strongly recommended to take at least one of the following non-Western interdisciplinary courses while meeting the minor requirements.

Code	Title	Credits
GEOG/ASIAN/ HISTORY/POLI SCI/ SOC 244	Introduction to Southeast Asia: Vietnam to the Philippines	4
ASIAN 252	Contemporary Indian Society	3
GEOG/AFROAMER/ ANTHRO/C&E SOC/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
GEOG/AFRICAN/ AFROAMER/ ANTHRO/HISTORY/ POLI SCI/SOC 277	Africa: An Introductory Survey	4
HISTORY/ASIAN/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
HISTORY/GNS 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3

SOCIOLOGY, MINOR

This minor may only be completed by students admitted to the Elementary Education (p. 1567) or the Elementary Education and Special Education (p. 1681) programs. A minor is not required to complete either program.

Minors provide a depth of study in a particular area of interest and also inform classroom instruction. The completion of a minor is required to teach middle school in some states and may benefit students particularly interested in teaching at this level.

The Department of Sociology (https://sociology.wisc.edu) is housed in the College of Letters & Science. Students may wish to consult with the undergraduate advisor (https://sociology.wisc.edu/undergraduate-program/academic-advising/) in the department to discuss course selection and other issues related to this field of study.

Upon completion, the subject area of the minor will be posted on the UW–Madison transcript. Students will not receive an additional certification or license in the subject area. The Wisconsin Department of Public Instruction does not offer content licenses in association with the Elementary Education or Special Education teaching licenses.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing the K-9 Elementary Education or the Elementary Education and Special Education programs. To declare the minor, contact your academic advisor in Education Student Services any time after program admission.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 24 credits. A minimum cumulative grade point average of 2.75 is required, based on all Sociology minor coursework taken on the UW–Madison campus.

FOUNDATIONAL CORE COURSES

Introduction

Select one of the following:

Code	Title	Credits
SOC/C&E SOC 210	Survey of Sociology	3-4
SOC/C&E SOC 211	The Sociological Enterprise	3
SOC 181	Honors Introductory Seminar-The Sociological Enterprise	3-4

Research Methods and Statistics

Students may take methods and statistics in the same semester. If students take methods and statistics in different semesters, it is recommended that methods be taken before statistics. This will provide a better entry point to the methods and materials of the field.

Code	Title	Credits
Research Methods		
SOC/C&E SOC 357	Methods of Sociological Inquiry	3-4
Statistics		
Complete one of the following statistics courses:		3-4
SOC/ C&E SOC 360	Statistics for Sociologists I	
ECON 310	Statistics: Measurement in Economics	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
PSYCH 210	Basic Statistics for Psychology	
STAT 301	Introduction to Statistical Methods	
STAT 371	Introductory Applied Statistics for the Life Sciences	

Classical Theory

Code	Title	Credits
SOC/C&E SOC 475	Classical Sociological Theory	3

DISTRIBUTION REQUIREMENTS

Select **at least one course from two of the following groups** of departmental offerings. Courses used to meet the requirements above

may not be applied to this requirement. Courses that appear in more than one area may fulfill only one area requirement.

Additional Methods/Statistics

Code	Title	Credits
SOC 351	Introduction to Survey Methods for Social Research	3
SOC/C&E SOC 361	Statistics for Sociologists II	4
SOC 362	Statistics for Sociologists III	4
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
SOC 375	Introduction to Mathematical Sociology	3
SOC 376	Mathematical Models of Social Systems	3
SOC 461	Study Abroad in Additional Methods and Statistics [1]	1-6
SOC/C&E SOC 618	Social Network Analysis	3
SOC 631	Applied Qualitative Methods for Social Science	3-4

[1] This course, taken abroad, could be a UW–Madison sociology course in the designated area although it is not a direct equivalent to a departmental offering.

Theory

Code	Title	Credits
SOC/ILS/ JEWISH 423	Modern Jewish Thought	3
SOC 462	Study Abroad in Additional Theory [1]	1-6
SOC 476	Contemporary Sociological Theory	3

[1] This course, taken abroad, could be a UW–Madison sociology course in the designated area although it is not a direct equivalent to a departmental offering.

Deviant Behavior

Code	Title	Credits
SOC/GEN&WS/ LEGAL ST 406	Law, Sexuality, & Society	3-4
SOC 421	Processes of Deviant Behavior	3-4
SOC/ SOC WORK 422	Social Issues in Aging	3
SOC/GEN&WS/ LEGAL ST 425	Crime, Gender and Justice	3
SOC/CHICLA/ LEGAL ST 440	Ethnicity, Race, and Justice	3-4
SOC 441	Criminology	3-4
SOC/CHICLA/ LEGAL ST 443	Immigration, Crime, and Enforcement	3-4
SOC 446	Juvenile Delinquency	3-4
SOC 463	Study Abroad in Deviant Behavior [1]	1-6

[1] This course, taken abroad, could be a UW–Madison sociology course in the designated area although it is not a direct equivalent to a departmental offering.

Social Psychology

Code	Title	Credits
SOC 444	Social Psychology: A Sociological Perspective	3-4
SOC/PSYCH 453	Human Sexuality	4
SOC 464	Study Abroad in Social Psychology [1]	1-6
SOC/C&E SOC 532	Health Care Issues for Individuals, Families and Society	3
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC 535	Talk and Social Interaction	3
SOC 543	Collective Behavior	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3

[1] This course, taken abroad, could be a UW–Madison sociology course in the designated area although it is not a direct equivalent to a departmental offering.

Social Organization

Code	Title	Credits
SOC/ASIAN 336	Social Change in Contemporary South Korea	3
SOC 465	Study Abroad in Social Organization [1]	1-6
SOC/CHICLA 470	Sociodemographic Analysis of Mexican Migration	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC 624	Political Sociology	3
SOC 626	Social Movements	3
SOC/C&E SOC 630	Sociology of Developing Societies/ Third World	3
SOC 632	Sociology of Organizations	3-4
SOC 633	Social Stratification	3
SOC 640	Sociology of the Family	3
SOC/LAW/ LEGAL ST 641	Sociology of Law	3-4
SOC/C&E SOC/ URB R PL 645	Modern American Communities	3
SOC 647	Sociology of Sport	3
SOC/ED POL 648	Sociology of Education	3
SOC/C&E SOC 650	Sociology of Agriculture	3
SOC/C&E SOC 652	Sociology of Economic Institutions	3
SOC/HISTORY 670	Capitalism, Socialism, and Democracy in America Since 1890	3-4
SOC 678	Sociology of Persecution	3

[1] This course, taken abroad, could be a UW–Madison sociology course in the designated area although it is not a direct equivalent to a departmental offering.

Demography and Ecology

Code	Title	Credits
SOC 460	Study Abroad in Demography and Ecology [1]	1-6
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC 674	Demographic Techniques I	3

[1] This course, taken abroad, could be a UW–Madison sociology course in the designated area although it is not a direct equivalent to a departmental offering.

Community and Environmental Sociology

Code	Title	Credits
SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
SOC/C&E SOC 541	Environmental Stewardship and Social Justice	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC 575	Sociological Perspectives on the Life Course and Aging	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3
SOC/C&E SOC/ URB R PL 617	Community Development	3
SOC/C&E SOC 650	Sociology of Agriculture	3

ELECTIVES

Additional coursework, if needed, to reach the minimum of 24 credits.

DANCE

Students who pursue an undergraduate degree in dance gain an in-depth understanding and mastery of dance as an art form and an area of scholarly inquiry. Dance courses focus on the study of various dance techniques and movement practices, dance repertory, performance, improvisation, composition, movement analysis, body studies, dance history, dance and politics, dance and identity, and dance writing. Dance courses at the University of Wisconsin–Madison stress personal creativity, individual growth, strong technical training, and historical, theoretical, and interdisciplinary knowledge.

Two undergraduate options are offered in dance. The Bachelor of Fine Arts - Dance (p. 1612) (BFA) undergraduate degree program in dance is for students with a strong interest and aptitude in dance and/or professional dance theater. The Bachelor of Science–Dance (https://guide.wisc.edu/undergraduate/education/dance/dance-bs/) option is designed for students who wish to combine their interest in dance with other fields of study, or to prepare for graduate work in dance studies or related disciplines. Students are admitted to the degree program in dance by audition (https://dance.wisc.edu/admissions-and-aid/).

The Department of Dance also offers five certificate programs open to students across the campus: a general certificate in Dance (https://guide.wisc.edu/undergraduate/education/dance/dance-certificate/), a certificate in Dance Education (p. 1609), one in Dance Studies (p. 1610), a certificate in Dance/Movement Therapy (https://guide.wisc.edu/undergraduate/education/dance/introductory-studies-dance-movement-therapy-certificate/), and another certificate in Pilates (https://guide.wisc.edu/undergraduate/education/dance/pilates-certificate/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Dance Education, Certificate (p. 1609)
- Dance Studies, Certificate (p. 1610)
- Dance, BFA (p. 1612)
- Dance, BS (p. 1618)
- Dance, Certificate (p. 1624)
- Introductory Studies in Dance/Movement Therapy, Certificate (p. 1626)
- Pilates, Certificate (p. 1626)

DANCE EDUCATION, CERTIFICATE

The Certificate in Dance Education provides students with specialized knowledge specific to the field of dance education. Students are prepared for a wide variety of careers that involve teaching dance or integrating dance in the classroom.

Careers specific to dance include: teaching in private dance studios, community centers, non-profit organizations, public schools, after school programs, fitness centers, and within professional companies. Careers that are non-specific to dance include: community based programs, physical education, arts education, theatre education, music education, and non-arts education in elementary education and secondary education.

Courses will enhance skills for current dance majors to add pedagogy to their dance understandings and provide dance understandings to students majoring other areas, including elementary education and physical education.

This certificate is also available to individuals who have already completed a Bachelor's degree; see the Nondegree/Visiting Student Guide (https://guide.wisc.edu/nondegree/). Current educators wishing to incorporate dance and movement in their classrooms may enroll in this unique opportunity to develop expertise in dance and creative movement for the classroom.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates in good academic standing are eligible to complete the Dance Education Certificate. BS, BFA, and Certificate candidates in Dance are eligible for the Dance Education

Certificate. University Special students who have previously completed any Bachelor's degree, are also eligible to pursue this certificate.

Students must meet with the Dance Education Certificate Advisor to discuss their intention to pursue the certificate. Appointments may be arranged via email. To declare the certificate, students must also complete the application form located on the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page.

REQUIREMENTS

REQUIREMENTS

The Certificate in Dance Education requires the following course distribution for a minimum of 14 credits.

Code	Title	Credits
DANCE 156	Movement as Material Through Improvisation	2
DANCE 274	Methods in Dance Education	3
DANCE 373	Introduction to Dance and Community	3
DANCE 374	Teaching Dance	3
DANCE 379	Dance Teaching Practicum	3
Total Credits		**14**

RESIDENCE AND QUALITY OF WORK

- At least 7 credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Gain a working knowledge of historical and progressive approaches, theories, and methodologies to teaching dance across diverse community settings.
2. Engage with dance and dance education as embodied forms of artistry and vehicles for learning, self discovery, empowerment, and transformation.
3. Analyze dance education in relation to the social and cultural circumstances in which it is embedded.
4. Integrate social-emotional, kinesthetic motor, and cognitive development with trauma-informed and culturally sustaining practices through dance lesson planning, implementation, and ongoing critical assessment.

DANCE STUDIES, CERTIFICATE

The Dance Studies Certificate is for any undergraduate student interested in the exploration of dance from an interdisciplinary, academic approach – to understand its political, social, and historical significance. The certificate is designed to enhance a student's main area of study and provide knowledge and skills in the analysis, interpretation, and contextualization of dance and movement in society and culture.

Courses in writing, body studies, history, and theory will prepare students to integrate the physical and theoretical knowledge of dance in written, oral, and embodied forms.

This program was designed for students in a broad range of disciplines including the arts, humanities, and social sciences. Students who wish to integrate dance research into their existing degree program, those considering graduate study in Dance Studies or a related field in the arts and humanities, including Art History, Theatre Studies, Performance Studies, or Cultural Studies, will benefit from this program.

This certificate program is flexible and can be completed primarily through summer coursework. Students can opt to complete the majority of the courses online, primarily in the summers, or through a mix of online and in-person courses in the summers and academic year.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the Dance Studies Certificate. BS, BFA, and Certificate candidates in Dance are eligible for the Dance Studies Certificate as long as there is zero overlap of coursework. Undergraduate students in good academic standing may declare this certificate. University Special students who started as an undergraduate at UW-Madison, but graduated before completing the requirements are also eligible for this certificate.

Students should meet with the Dance Studies Certificate Advisor to discuss their intention to pursue the certificate. Appointments may be arranged via email. To declare the certificate, students must also complete the application form location on the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page.

REQUIREMENTS

REQUIREMENTS

The Dance Studies Certificate requires the following course distribution for a minimum of 14 credits. At least 7 credits must be completed in residence. Completion of the certificate requires a minimum GPA of 2.0 in certificate coursework.

FOUNDATIONAL COURSE

All students are required to complete the following:

Code	Title	Credits
DANCE 200	Writing the Moving Body	3

BODY STUDIES

Select 2 credits from the following:

Code	Title	Credits
DANCE 110	Workshop in Dance Activity	1-2
DANCE 101	Social Dance I	1
DANCE 102	Social Dance II	1
DANCE 103	Modern Jazz Dance	1
DANCE 105	Ballet I	1
DANCE 106	Ballet II	1
DANCE 107	Contemporary Dance I	1
DANCE 108	Contemporary Dance II	1
DANCE 115	Hip-Hop Dance Technique and Theory 1	1-2
DANCE 116	Workshop in World Dance	2
DANCE 118	African Dance	1
DANCE 111	Contemporary Dance Technique and Theory I	1-3
DANCE 112	Contemporary Dance Technique and Theory II	1-3
DANCE 211	Contemporary Dance Technique and Theory III	1-3
DANCE 212	Contemporary Dance Technique and Theory IV	1-3
DANCE 311	Contemporary Dance Technique and Theory V	1-3
DANCE 312	Contemporary Dance Technique and Theory VI	1-3
DANCE 410	Contemporary Dance Forms	1-3
DANCE 125	Ballet Technique I	1-2
DANCE 126	Ballet Technique I-B	1-2
DANCE 225	Ballet Technique II	1-2
DANCE 226	Ballet Technique II-B	1-2
DANCE 325	Ballet Technique III	1-2
DANCE 326	Ballet Technique III-B	1-2
DANCE 131	Somatic Theory and Practices	2
DANCE 132	Workshop in Body Studies and Practices	1
DANCE 133	Relaxation Techniques for Embodiment and Stress Management	1
DANCE 135	Pilates Mat I	1
DANCE 136	Pilates Equipment I	2
DANCE 156	Movement as Material Through Improvisation	2
DANCE 157	Introduction to Movement Analysis	2
DANCE 213	New Movement Techniques	1-2
DANCE 231	Introduction to Dance/Movement Therapy	3
DANCE 235	Pilates Mat II	1
DANCE 236	Pilates Equipment II	2
DANCE/ AFROAMER/ ASIAN AM/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3
DANCE 330	Functional Anatomy for Movement Practices	2

DANCE THEORY

Select 3 credits from the following:

Code	Title	Credits
DANCE 168	Dancing Gender: Embodiment, Politics and Feminist Theory	3
DANCE 268	Political and Cultural Perspectives in Dance Studies	3

DANCE HISTORY

Select 3 credits from the following:

Code	Title	Credits
DANCE 165	Introduction to the Histories of Dance	3
DANCE 265	Dance History I: Dance in the Modern Era	3
DANCE 365	Dance History II: Directions and Issues of Contemporary Dance	3

ETHNIC STUDIES BREADTH

Select 3 credits from the following:

Code	Title	Credits
DANCE/ ASIAN AM 121	Asian American Movement	3
DANCE/ THEATRE 218	African Dance Performance	2
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATE

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Gain understanding of the main approaches and methodologies of the field of dance studies as an academic approach to dance with an interdisciplinary focus.
2. Engage with dance as a site through which cultural, social, and political identities are constructed, manifested, and negotiated.

3. Analyze dance in relation to the social, cultural, and historical circumstances in which it is embedded.
4. Integrate physical and theoretical knowledge of dance in written, oral, and embodied forms.

DANCE, BFA

Students pursuing a BFA in dance gain in-depth knowledge of dance as an art form and an area of scholarly inquiry. The degree prepares students for careers in professional dance and provides a foundation for teaching in K-12 and higher education, dance entrepreneurship, dance/movement therapy, Pilates, the health and fitness industry, arts administration, as well as many other fields.

The Bachelor of Fine Arts (BFA) in Dance requires a minimum of 85 major credits and is designed for students who wish to spend more time preparing for a professional career in dance.

A dance degree at UW–Madison offers opportunities to:

- Study with a world-class faculty, with excellent teacher-student ratios.
- Perform frequently in faculty and student-choreographed works, in state-of-the-art facilities.
- Experience an interdisciplinary approach that connects dance to the arts and humanities, as well as the social, biological, physical, and biological social sciences.
- Earn scholarship and award funding for study in the academic year and summer, including departmental awards for honors study.
- Work with nationally and internationally renowned guest artists and master class instructors, such as the Bill T. Jones/Arnie Zane Dance Company, Pilobolus, Meredith Monk, Elizabeth Streb, David Parsons, Sean Curran, Danielle Russo, Carrie Hanson, Joe Goode, Susan Marshall, Kun-Yang Lin, and Tim Miller, Abdel Salaam/Forces of Nature.
- Train intensively in choreography to create solo and group works for performance.

An audition is required to declare a dance degree. Auditions are held in August, November, and February.

The Dance Department also offers five certificates: a general certificate in Dance (https://guide.wisc.edu/undergraduate/education/dance/dance-certificate/), a certificate in Dance Education (p. 1609), one in Dance Studies (p. 1610), a certificate in Dance/Movement Therapy (https://guide.wisc.edu/undergraduate/education/dance/introductory-studies-dance-movement-therapy-certificate/), and another certificate in Pilates (https://guide.wisc.edu/undergraduate/education/dance/pilates-certificate/).

HOW TO GET IN

HOW TO GET IN

PROGRAM ADMISSION OVERVIEW

All students wishing to major in dance must complete a performance audition to be admitted to the program. Consult the Dance department website (http://www.dance.wisc.edu/dance/admissions/how-to-apply/) for more detailed information about the audition process.

ENTERING THE SCHOOL OF EDUCATION

New and Current UW–Madison Students

On-campus students wishing to be admitted to one of the dance program options must audition and also have earned a minimum 2.5 grade point average. On-campus students should obtain and submit a signed Professional Program Application (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/), to the School of Education Student Services office, Room 139 Education Building, 1000 Bascom Mall, at any time during the academic year. The application must be signed by the appropriate dance department advisor.

Prospective Transfer Students

Applicants not already enrolled on the UW–Madison campus must be admissible to the university to enroll in a School of Education program. Admission to UW–Madison requires a separate application and admission process. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information.

Prospective transfer students should meet as early as possible with a dance department advisor and with an advisor in the School of Education Student Services office. Coursework taken at another institution may need to be evaluated by a faculty or staff member in dance. Transfer students must audition to be admitted to one of the dance program options. Prospective transfer students are strongly advised to meet with an advisor in the School of Education Student Services office in advance of their application; to schedule, call 608-262-1651.

Students with a previous degree

Prospective applicants who already hold an undergraduate degree are strongly encouraged to meet with a School of Education advisor in advance of their application. Consultations with advisors are available in person or via telephone; to schedule, call 608-262-1651.

Applicants who already hold an undergraduate degree are admitted to the School of Education as either an *Education Special student* or a *second degree student*, depending on their interests and academic background. Admission as an Education Special student indicates that the student has an interest in pursuing certification in a subject area studied during the initial degree; another degree is not awarded for this "certification only" coursework. Second degree students are seeking a second, unrelated degree from the School of Education, which may, or may not, include teacher certification. Candidates for limited enrollment programs must meet all admission eligibility requirements for the program and must compete with the eligible applicants for program admission. More information is available here (p. 1494).

ADMISSION AND APPLICATION

Criteria for Admission

Requirements and selection criteria may be modified from one application/admission period to the next. Eligibility for consideration:

- The dance department currently admits students to its programs only through a performance audition.

- Cumulative grade point average of at least a 2.50 (on a 4.00 scale).[1]
- On-campus transfer students must have a cumulative grade point average of at least a 2.5 on the UW–Madison campus, as modified by the Last 60 Credits Rule.
- Submission of all required application materials, including the dance program application and any required transcripts.

[1] A comprehensive cumulative GPA of all college-level, transferrable coursework attempted on both the UW–Madison campus coursework and coursework taken at any other colleges or universities may be calculated for the exclusive purpose of establishing an applicant's eligibility for consideration. Both the comprehensive cumulative GPA and the comprehensive cumulative GPA based on a student's last 60 credits may be calculated. See Last 60 Credits Rule (detailed below). If admitted, students must earn the minimum cumulative GPA for UW–Madison coursework established by their program and the School of Education each semester after admission.

Last 60 Credits Rule
Two grade point averages will be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits
All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)
All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science
All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science

- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The BFA degree in Dance has four components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Discipline-related coursework* provides an interdisciplinary foundation contributing to the performance and understanding of this art form.
- *Major* requirements offer an in-depth study of dance.
- *Elective* credits allow students to pursue areas of interest and complete the minimum number of credits required for the degree.

DISCIPLINE-RELATED REQUIREMENTS

Code	Title	Credits
DANCE 200	Writing the Moving Body	3
Complete one of the following:		2
DANCE 330	Functional Anatomy for Movement Practices	
KINES 227	Introduction to Clinical Anatomy of Human Movement	
ANAT&PHY 338	Human Anatomy Laboratory	

MAJOR REQUIREMENTS

Complete a minimum of 85 credits. At least 15 upper-level major Dance credits (numbered 300 and above) must be taken in residence on the UW–Madison campus.

New first-year Dance–BS and BFA students should expect to register for three 100-level foundational major courses: DANCE 111 Contemporary Dance Technique and Theory I, DANCE 115 Hip-Hop Dance Technique and Theory 1, DANCE 125 Ballet Technique I, and DANCE 162 First Year Workshop for a total of 8 credits. These courses are taken by all dance majors in their first year, regardless of previous dance training and experience. The classes prepare students for advanced study in dance and movement technique. Dance majors are assured enrollment in these courses. DANCE 165 Introduction to the Histories of Dance is also strongly recommended for the first semester; this course will meet the Global Perspectives requirement in liberal studies.

DANCE TECHNIQUE AND THEORY

Contemporary Dance Technique and Theory

Select a minimum of 18 credits from the following; 9 credits must be numbered DANCE 311 Contemporary Dance Technique and Theory V or higher:

Code	Title	Credits
DANCE 111	Contemporary Dance Technique and Theory I	
DANCE 112	Contemporary Dance Technique and Theory II	
DANCE 211	Contemporary Dance Technique and Theory III	
DANCE 212	Contemporary Dance Technique and Theory IV	
DANCE 311	Contemporary Dance Technique and Theory V	
DANCE 312	Contemporary Dance Technique and Theory VI	
DANCE 410	Contemporary Dance Forms	

Ballet Technique

Select a minimum of 14 credits from the following; 10 credits must be numbered DANCE 225 Ballet Technique II or higher:

Code	Title	Credits
DANCE 125	Ballet Technique I	
DANCE 126	Ballet Technique I-B	
DANCE 225	Ballet Technique II	
DANCE 226	Ballet Technique II-B	
DANCE 325	Ballet Technique III	
DANCE 326	Ballet Technique III-B	

Additional Techniques

Select a minimum of 6 credits of the following. Students may also select from Additional Techniques workshops listed under DANCE 110 Workshop in Dance Activity or DANCE 560 Current Topics in Dance: Workshop. Jazz and Ballroom courses do not count toward this requirement.

Code	Title	Credits
DANCE 101	Social Dance I	1
DANCE 102	Social Dance II	1
DANCE 103	Modern Jazz Dance	1
DANCE 110	Workshop in Dance Activity (Sections numbered 010 and above)	1-2
DANCE 110	Workshop in Dance Activity (Hip Hop)	1-2
DANCE 110	Workshop in Dance Activity (Tai Ji)	1-2
DANCE 115	Hip-Hop Dance Technique and Theory 1	1-2
DANCE 116	Workshop in World Dance	2
DANCE 118	African Dance	1
DANCE/ ASIAN AM 121	Asian American Movement	3
DANCE/ THEATRE 218	African Dance Performance	2

DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
DANCE/ AFROAMER/ ASIAN AM/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3

BODY STUDIES

Code	Title	Credits
DANCE 131	Somatic Theory and Practices	2
Select 4 credits of the following:		4
DANCE 110	Workshop in Dance Activity (Yoga)	
DANCE 132	Workshop in Body Studies and Practices	
DANCE 135	Pilates Mat I	
DANCE 235	Pilates Mat II	
DANCE 136	Pilates Equipment I	
DANCE 236	Pilates Equipment II	
DANCE 213	New Movement Techniques	

CRITICAL AND CREATIVE INVESTIGATIONS

Code	Title	Credits
DANCE 140	Dance Production	2
MUSIC 151	Basic Concepts of Music Theory	3
DANCE 156	Movement as Material Through Improvisation	2
DANCE 157	Introduction to Movement Analysis	2
DANCE 162	First Year Workshop	1
DANCE 241	Music Fundamentals for Dancers	3
DANCE 255	Movement Composition for the Performing and Visual Arts	2
DANCE 265	Dance History I: Dance in the Modern Era	3
Design - Complete one of the following:		3-4
DANCE/ART 341	Sound Design for the Performing and Visual Arts	
DANCE 345	Screendance Production	
ART 318	Introduction to Video, Performance & Installation Art	
ART 518	Artist's Video	
ART 531	Screen Performance	
DANCE 355	Dance Composition II	3
DANCE 365	Dance History II: Directions and Issues of Contemporary Dance	3
DANCE 374	Teaching Dance	3
Dance Repertory Theater - Complete 6 credits from the following:		6
DANCE 451	Dance Repertory Theater	
DANCE 452	Dance Repertory Theater	
DANCE 453	Dance Repertory Theatre	
DANCE 455	Dance Composition III	2
DANCE 462	Senior Seminar	3

PUBLIC PRESENTATIONS

BFA students must create one solo and one group piece (trio or larger) after the completion of DANCE 255 Movement Composition for the Performing and Visual Arts. These works must be submitted for faculty approval and publicly presented in concert. Senior projects must be presented in an approved public forum.

ELECTIVE CREDITS

Complete additional coursework, if necessary, to reach the minimum of 125 credits. DANCE 165 Introduction to the Histories of Dance is recommended and will meet the Global Perspectives requirement in liberal studies.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements are based on UW–Madison coursework.

- 2.75 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average in all major coursework
- 2.50 cumulative grade point average in all upper-level major coursework. Dance courses numbered 300 and above are considered to be upper-level courses.
- Major Residency. Students must complete a minimum of 15 upper-level major credits on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- A minimum of 125 credits are required for graduation.

DEGREE AUDIT REPORTING SYSTEM (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Body Studies and Dance Technique) Demonstration of proficiency in the physical practice of dance.
2. (Writing and Critical Thinking) Examination of global approaches in dance, in historical, cultural, and theoretical contexts.
3. (Making and Sharing Dances) Utilization of tools of craft to engage in critical and creative investigations and assessment.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Dance: Bachelor of Fine Arts – Sample Four Year Plan

This sample four-year graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Your actual course of study will be influenced by factors such as when you are eligible to enroll in 200 and 300-level technique classes, casting decisions, and summer course selections. Use this plan along with your DARS report, the Guide, and the Course Search and Enroll app to create a sequence of classes that also reflect your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop this personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

New first-year Dance–BS and BFA students should expect to register for three 100-level foundational major courses: DANCE 111 Contemporary Dance Technique and Theory I, DANCE 115 Hip-Hop Dance Technique and Theory 1, DANCE 125 Ballet Technique I, and DANCE 162 First Year Workshop for a total of 8 credits. These courses are taken by all dance majors in their first year, regardless of previous dance training and experience. The classes prepare students for advanced study in dance and movement technique. Dance majors are assured enrollment in these courses. DANCE 165 Introduction to the Histories of Dance is also strongly recommended for the first semester; this course will meet the Global Perspectives requirement in liberal studies.

This degree requires a minimum of 125 credits, although additional contemporary dance technique and theory courses are strongly recommended. BFA Dance students must create one Solo and one Group piece (trio or larger) after completion of 255. These works must be faculty approved for public presentation.

Freshman

Fall	Credits	Spring	Credits
DANCE 111	3	Communication A	3
DANCE 115	2	DANCE 112	3
DANCE 125	2	DANCE 126	2
DANCE 156	2	DANCE 255	2
DANCE 162	1	MUSIC 151	3
DANCE 165 (also meets Liberal Studies Global Perspectives requirement)	3	Quantitative Reasoning A	3
Liberal Studies course work (U.S. or European History recommended)	3		
	16		**16**

Sophomore

Fall	Credits	Spring	Credits
DANCE 211	2	DANCE 212	1
DANCE 225	2	DANCE 226	2
DANCE 157	2	DANCE 131	2
DANCE 200 (also meets Liberal Studies and Communication B)	3	DANCE 140	2
DANCE 265	3	DANCE 135	1
Ethnic Studies (not from Dance) or other Liberal Studies course work[1]	4	DANCE 355	3
		DANCE 365	3
		DANCE 451	1
	16		**15**

Junior

Fall	Credits	Spring	Credits
DANCE 311	2	DANCE 312	2
DANCE 325	2	DANCE 326	2
DANCE 235	1	DANCE 345	3
DANCE 241	3	DANCE 213	1
ANAT&PHY 338 (also counts toward Liberal Studies Science requirement)	2	DANCE 374	3
Liberal Studies course work	6	DANCE 452	1
		Quantitative Reasoning B	3
	16		**15**

Senior

Fall	Credits	Spring	Credits
DANCE 410	2	DANCE 410	3
DANCE 325	1	DANCE/AFROAMER/ MUSIC 318	3
DANCE 110	1	DANCE 326	1
DANCE 132	1	DANCE 455	2
DANCE 451	2	DANCE 452	2
DANCE 462	3	Liberal Studies course work	4
Liberal Studies course work	6		
	16		**15**

Total Credits 125

[1] Some Dance department courses meet both the ethnic studies and additional techniques requirements. If this option is selected, a three-credit liberal studies course must be completed this semester.

ADVISING AND CAREERS

ADVISING AND CAREERS

DANCE DEPARTMENT ADVISING

All dance degree students receive targeted advising through the department's undergraduate advisor, Karen McShane-Hellenbrand. Dance Department advising is designed to assist students in choosing classes and evaluating their degree path. This is particularly critical for students pursuing a dance degree and an additional degree program or major.

Students may also meet with advisors in the School of Education Student Services office regarding other course requirements and concerns, see below. Current students can schedule an appointment with a School of Education advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Dance Pathways (https://careercenter.education.wisc.edu/explore-career/dance-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently

seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

DANCE AND THE WISCONSIN EXPERIENCE

The UW–Madison Dance department provides students with a wide range of opportunities to perform, work with and learn from national/international guest artists, create and show their own work, conduct their own research, study abroad, volunteer, and connect with the local education community.

Guest Artists

The Dance department brings in guest artists-in-residence each year to work directly with students. These professionals are national or international artists who teach master classes, hold auditions, and set works on students for performance in our annual faculty concert. The department also brings in several guest artist teachers throughout the academic year to teach master classes to our students.

Student Performance Opportunities

Dance students have many opportunities to perform in student- and faculty-choreographed concerts throughout the academic year. Technique and theory courses prepare students with the technical, compositional, and artistic skills for performance in our in-house theater, the H'Doubler Performance Space, in historic Lathrop Hall.

Peer Mentorship

Several volunteer roles are available to students through the department's peer mentor program. Dance Peer Mentors support and encourage new first-year dance degree students in their adjustment to UW–Madison and the Dance department, provide support during incoming student audition days, and serve as role models and advocates for success in the dance degree program.

Study Abroad

The Dance department offers a three-credit study abroad program to Greece (https://studyabroad.wisc.edu/program/?programId=330295), as well as summer awards for students to travel and train at the American Dance Festival, Bates Dance Festival, Peridance Contemporary Dance Company, Perry Mansfield, The Ailey School, Seattle Festival of Dance + Improvisation, NYU | Tisch, and the Dance Education Laboratory, among others.

Student Research

In their final year of the degree program, students design and complete their own research projects. Some of the projects include funding to do creative research which culminates in a full-length concert.

Work with the Local Community

The Dance department offers courses in Dance Education and Dance Movement Therapy which include practicum experiences with students in local schools. Students have opportunities to engage preschool and school-aged students in dance for social-emotional, kinesthetic motor, and cognitive development using trauma-informed, culturally-responsive, and student-centered practices.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ACCREDITATION

ACCREDITATION

National Association of Schools of Dance (https://nasd.arts-accredit.org/)

The University of Wisconsin-Madison is an accredited institutional member of the National Association of School of Dance (NASD). Accreditation status: Accredited. Next accreditation review: 2025-2026.

DANCE, BS

Students pursuing an undergraduate degree in dance gain in-depth knowledge of dance as an art form and an area of scholarly inquiry. The degree provides a foundation for eventual careers in professional dance, dance teaching in K-12 and higher education, dance entrepreneurship, dance/movement therapy, Pilates, the health and fitness industry, arts administration, as well as many other fields.

The Bachelor of Science (BS) degree in Dance requires a minimum of 57 major credits and is designed for students who wish to pursue a degree in dance and another major or degree program in a second area of interest.

A dance degree at UW–Madison offers opportunities to:

- Study with a world-class faculty, with excellent teacher-student ratios.
- Perform frequently in faculty and student-choreographed works, in state-of-the-art facilities.
- Pursue an additional major or degree in a second area of interest.
- Experience an interdisciplinary, rigorous approach that connects dance to the arts and humanities, as well as the social, biological, physical, and biological social sciences.
- Earn scholarship and award funding for study in the academic year and summer, including departmental awards for honors study.
- Work with nationally and internationally renowned guest artists and master class instructors, such as the Bill T. Jones/Arnie Zane Dance Company, Pilobolus, Meredith Monk, Elizabeth Streb, David Parsons, Sean Curran, Danielle Russo, Carrie Hanson, Joe Goode, Susan Marshall, Kun-Yang Lin, and Tim Miller, Abdel Salaam/Forces of Nature.
- Train intensively in choreography to create solo and group works for performance.

An audition is required to declare a dance degree. Auditions are held in August, November, and February.

The Dance department also offers five certificates: a general certificate in Dance (p. 1624), a certificate in Dance Education (p. 1609), one in Dance Studies (p. 1610), (p. 1610) a certificate in Dance/Movement Therapy (p. 1626), and another certificate in Pilates (p. 1626).

HOW TO GET IN

HOW TO GET IN

PROGRAM ADMISSION OVERVIEW

All students wishing to major in dance must complete a performance audition to be admitted to the program. Auditions are held in August, November, and February. Consult the Dance department website (http://www.dance.wisc.edu/dance/admissions/how-to-apply/) for more detailed information about the audition process.

ENTERING THE SCHOOL OF EDUCATION

New and Current UW–Madison Students

On-campus students wishing to be admitted to one of the dance program options must audition and also have earned a minimum 2.5 grade point average. On-campus students should obtain and submit a signed Professional Program Application (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) to the School of Education Student Services office, Room 139 Education Building, 1000 Bascom Mall, at any time during the academic year. The application must be signed by the appropriate dance department advisor.

Prospective Transfer Students

Applicants not already enrolled on the UW–Madison campus must be admissible to the university to enroll in a School of Education program. Admission to UW–Madison requires a separate application and admission process. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information.

Prospective transfer students should meet as early as possible with a dance department advisor and with an advisor in the School of Education Student Services office. Coursework taken at another institution may need to be evaluated by a faculty or staff member in dance. Transfer students must audition to be admitted to one of the dance program options. Prospective transfer students are strongly advised to meet with a Student Services advisor in advance of their application; to schedule, call 608-262-1651.

Students with a Previous Degree

Prospective applicants who already hold an undergraduate degree are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their application. Consultations with advisors are available in person or via telephone; to schedule, call 608-262-1651.

Applicants who already hold an undergraduate degree are admitted to the School of Education as either an *Education Special student* or a *second degree student*, depending on their interests and academic background. Admission as an Education Special student indicates that the student has an interest in pursuing certification in a subject area studied during the initial degree; another degree is not awarded for this "certification only" coursework. Second degree students are seeking a second, unrelated degree from the School of Education, which may, or may not, include teacher certification. Candidates for limited enrollment programs must meet all admission eligibility requirements for the program and must compete with the eligible applicants for program admission. More information is available here (p. 1494).

ADMISSION AND APPLICATION

Criteria for Admission

Requirements and selection criteria may be modified from one application/admission period to the next.

Eligibility for consideration:

- The dance department currently admits students to its programs only through a performance audition.
- Cumulative grade point average of at least a 2.50 (on a 4.00 scale).[1]
- Students who have transferred to and are currently enrolled in UW–Madison coursework must have a cumulative grade point average of at least a 2.5 on the UW–Madison campus, as modified by the Last 60 Credits Rule.
- Submission of all required application materials, including the dance program application and any required transcripts.

[1] A comprehensive cumulative GPA of all college-level, transferrable coursework attempted on both the UW–Madison campus coursework and coursework taken at any other colleges or universities may be calculated for the exclusive purpose of establishing an applicant's eligibility for consideration. Both the comprehensive cumulative GPA and the comprehensive cumulative GPA based on a student's last 60 credits may be calculated. See Last 60 Credits Rule (detailed below). If admitted, students must earn the minimum cumulative GPA for UW–Madison coursework established by their program and the School of Education each semester after admission.

Last 60 Credits Rule

Two grade point averages will be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The BS degree in dance has four components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Discipline-related coursework* provides an interdisciplinary foundation contributing to the performance and understanding of this art form.
- *Major* requirements offer an in-depth study of dance.
- *Elective* credits allow students to pursue areas of interest and complete the minimum number of credits required for the degree.

DISCIPLINE-RELATED REQUIREMENTS

Code	Title	Credits
DANCE 200	Writing the Moving Body	3
DANCE 560	Current Topics in Dance: Workshop (Anatomy for Dancers)	2
or ANAT&PHY 338	Human Anatomy Laboratory	
Choose One:		2
DANCE 330	Functional Anatomy for Movement Practices	
ANAT&PHY 338	Human Anatomy Laboratory	
KINES 227	Introduction to Clinical Anatomy of Human Movement	

MAJOR REQUIREMENTS

Complete a minimum of 57 credits. At least 15 upper-level major Dance credits (numbered 300 and above) must be taken in residence on the UW–Madison campus.

New first-year Dance–BS and BFA students should expect to register for the following 100-level foundational major courses: DANCE 111 Contemporary Dance Technique and Theory I, DANCE 115 Hip-Hop Dance Technique and Theory 1, DANCE 125 Ballet Technique I, and DANCE 162 First Year Workshop for a total of 8 credits. These courses are taken by all dance majors in their first year, regardless of previous dance training and experience. The classes prepare students for advanced study in dance and movement technique. Dance majors are assured enrollment in these courses. DANCE 165 Introduction to the Histories of Dance is also strongly

recommended for the first semester; this course will meet the Global Perspectives requirement in liberal studies.

DANCE TECHNIQUE AND THEORY

Contemporary Dance Technique and Theory

Select a minimum of 14 credits from the following; 6 credits must be numbered 211 or higher.

Code	Title	Credits
DANCE 111	Contemporary Dance Technique and Theory I	1-3
DANCE 112	Contemporary Dance Technique and Theory II	1-3
DANCE 211	Contemporary Dance Technique and Theory III	1-3
DANCE 212	Contemporary Dance Technique and Theory IV	1-3
DANCE 311	Contemporary Dance Technique and Theory V	1-3
DANCE 312	Contemporary Dance Technique and Theory VI	1-3
DANCE 410	Contemporary Dance Forms	1-3

Ballet Technique

Select a minimum of 8 credits from the following; 4 credits must be numbered 225 or higher:

Code	Title	Credits
DANCE 125	Ballet Technique I	1-2
DANCE 126	Ballet Technique I-B	1-2
DANCE 225	Ballet Technique II	1-2
DANCE 226	Ballet Technique II-B	1-2
DANCE 325	Ballet Technique III	1-2
DANCE 326	Ballet Technique III-B	1-2

Additional Techniques

Select a minimum of 2 credits. Students may also select from Additional Techniques workshops listed under DANCE 110 Workshop in Dance Activity or DANCE 560 Current Topics in Dance: Workshop. Jazz and Ballroom courses do not count toward this requirement.

Code	Title	Credits
DANCE 101	Social Dance I	1
DANCE 102	Social Dance II	1
DANCE 103	Modern Jazz Dance	1
DANCE 110	Workshop in Dance Activity (Hip Hop)	1-2
DANCE 110	Workshop in Dance Activity (Tai Ji)	1-2
DANCE 110	Workshop in Dance Activity (all sections numbered 010 and above)	1-2
DANCE 115	Hip-Hop Dance Technique and Theory 1	1-2
DANCE 116	Workshop in World Dance	2
DANCE 118	African Dance	1
DANCE/ ASIAN AM 121	Asian American Movement	3
DANCE/ THEATRE 218	African Dance Performance	2
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
DANCE/ AFROAMER/ ASIAN AM/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3

ADDITIONAL REQUIRED COURSES

Code	Title	Credits
DANCE 131	Somatic Theory and Practices	2
DANCE 140	Dance Production	2
DANCE 156	Movement as Material Through Improvisation	2
DANCE 157	Introduction to Movement Analysis	2
DANCE 162	First Year Workshop	1
DANCE 240	Dance Production Laboratory	1
DANCE 241	Music Fundamentals for Dancers	3
DANCE 255	Movement Composition for the Performing and Visual Arts	2
DANCE 265	Dance History I: Dance in the Modern Era	3
Design - Complete one of:		3-4
DANCE/ART 341	Sound Design for the Performing and Visual Arts	
DANCE 345	Screendance Production	
ART 318	Introduction to Video, Performance & Installation Art	
ART 518	Artist's Video	
ART 531	Screen Performance	
DANCE 365	Dance History II: Directions and Issues of Contemporary Dance	3
DANCE 462	Senior Seminar	3
Select 3 credits from the following:		3
DANCE 355	Dance Composition II	
DANCE 373	Introduction to Dance and Community	
DANCE 374	Teaching Dance	
Select 3 credits from the following:		3
DANCE 451	Dance Repertory Theater	
DANCE 452	Dance Repertory Theater	
DANCE 453	Dance Repertory Theatre	

ELECTIVE COURSEWORK

Complete additional coursework, if necessary, to reach the minimum of 124 credits. DANCE 165 Introduction to the Histories of Dance is recommended and will meet the Global Perspectives requirement in liberal studies.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Requirements below are based on UW–Madison coursework.

- 2.75 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average in all major coursework
- 2.50 cumulative grade point average in all upper-level major coursework. Dance courses numbered 300 and above are considered to be upper-level courses.
- Major Residency. Students must complete a minimum of 15 upper-level major credits on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- A minimum of 124 credits are required for graduation.

DEGREE AUDIT REPORTING SYSTEM (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Body Studies and Dance Technique) Demonstration of proficiency in the physical practice of dance.
2. (Writing and Critical Thinking) Examination of global approaches in dance, in historical, cultural, and theoretical contexts.
3. (Making and Sharing Dances) Utilization of tools of craft to engage in critical and creative investigations and assessment.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Bachelor of Science: Dance – Sample Four Year Plan

This sample four-year graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Your actual course of study will be influenced by factors such as when you are eligible to enroll in 200-level technique classes, casting decisions, and summer course selections. Use this plan along with your DARS report, the Guide, and the Course Search and Enroll app to create a sequence of classes that also reflect your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop this personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

New first-year Dance–BS and BFA students should expect to register for three 100-level foundational major courses: DANCE 111 Contemporary Dance Technique and Theory I, DANCE 115 Hip-Hop Dance Technique and Theory 1, DANCE 125 Ballet Technique I, and DANCE 162 First Year Workshop for a total of 8 credits. These courses are taken by all dance majors in their first year, regardless of previous dance training and experience. The classes prepare students for advanced study in dance and movement technique. Dance majors are assured enrollment in these courses. DANCE 165 Introduction to the Histories of Dance is also strongly recommended for the first semester; this course will meet the Global Perspectives requirement in liberal studies.

This degree requires a minimum of 124 credits. Contemporary dance technique and theory classes beyond the minimum requirement are strongly recommended and included in this plan as electives. Bachelor of Science - Dance students must present their senior projects in an approved public forum.

Freshman		
Fall	**Credits Spring**	**Credits**
DANCE 111	3 Communication A	3
DANCE 125	2 DANCE 112	3
DANCE 156	2 DANCE 115	2
DANCE 162	1 DANCE 126	2

DANCE 165 (also meets Liberal Studies Global Perspectives requirement)	3	DANCE 255	2
Liberal Studies course work	4	Quantitative Reasoning A	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
DANCE 211	3	DANCE 212	3
DANCE 225	2	DANCE 226	2
DANCE 140 (or Spring Semester)	2	DANCE 131	2
DANCE 157	2	DANCE 240	1
DANCE 200 (also meets Communication B)	3	DANCE 355	3
DANCE 265	3	DANCE 365	3
		DANCE 452	1
	15		**15**

Junior

Fall	Credits	Spring	Credits
DANCE 311	3	DANCE 312	3
DANCE 241	3	DANCE/ART 341	3
ANAT&PHY 338 (also counts toward Liberal Studies Science requirement)	2	Quantitative Reasoning B	3
Ethnic Studies	3	Liberal Studies Courses	7
Liberal Studies Courses	5		
	16		**16**

Senior

Fall	Credits	Spring	Credits
DANCE 410	3	DANCE 410	3
DANCE 451	1	DANCE 326	2
DANCE 462	3	DANCE 453	1
Liberal Studies/General Elective course work	9	Liberal Studies/General Elective Courses	10
	16		**16**

Total Credits 124

ADVISING AND CAREERS

ADVISING AND CAREERS

DANCE DEPARTMENT ADVISING

All dance degree students receive targeted advising through the department's undergraduate advisor, Karen McShane-Hellenbrand. Dance department advising is designed to assist students in choosing classes and evaluating their degree path. This is particularly critical for students pursuing a dance degree and an additional degree program or major.

Students may also meet with advisors in the School of Education Student Services office regarding other course requirements and concerns, see below. Current students can schedule an appointment with a School of Education advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Dance Pathways

(https://careercenter.education.wisc.edu/explore-career/dance-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

DANCE AND THE WISCONSIN EXPERIENCE

The UW–Madison Dance department provides students with a wide range of opportunities to perform, work with and learn from national/international guest artists, create and show their own work, conduct their own research, study abroad, volunteer, and connect with the local education community.

Guest Artists

The Dance department brings in guest artists-in-residence each year to work directly with students. These professionals are national or international artists who teach master classes, hold auditions, and set works on students for performance in our annual faculty concert. The department also brings in several guest artist teachers throughout the academic year to teach master classes to our students.

Student Performance Opportunities

Dance students have many opportunities to perform in student and faculty choreographed concerts throughout the academic year. Technique and theory courses prepare students with the technical, compositional, and artistic skills for performance in our in-house theater, the H'Doubler Performance Space, in historic Lathrop Hall.

Peer Mentorship

Several volunteer roles are available to students through the department's peer mentor program. Dance Peer Mentors support and encourage new first-year dance degree students in their adjustment to UW–Madison and the Dance department, provide support during incoming student audition days, and serve as role models and advocates for success in the dance degree program.

Study Abroad

The Dance department offers a three-credit study abroad program to Greece (https://studyabroad.wisc.edu/program/?programId=330295), as well as summer awards for students to travel and train at the American Dance Festival, Bates Dance Festival, Peridance Contemporary Dance Company, Perry Mansfield, The Ailey School, Seattle Festival of Dance + Improvisation, NYU | Tisch, and the Dance Education Laboratory among others.

Student Research

In their final year of the degree program, students design and complete their own research projects. Some of the projects include funding to do creative research which culminates in a full-length concert.

Work with the Local Community

The Dance department offers courses in Dance Education and Dance Movement Therapy which include practicum experiences with students in local schools. Students have opportunities to engage preschool and school-aged students in dance for social-emotional, kinesthetic motor, and cognitive development using trauma-informed, culturally-responsive, and student-centered practices.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

ACCREDITATION

ACCREDITATION

National Association of Schools of Dance (https://nasd.arts-accredit.org/)

The University of Wisconsin-Madison is an accredited institutional member of the National Association of School of Dance (NASD).

Accreditation status: Accredited. Next accreditation review: 2025-2026.

DANCE, CERTIFICATE

The Dance Certificate is a 19-credit program open to all students. Students who pursue a Dance Certificate often have a background in dance but may not be seeking a degree in dance. Others are beginning dance students.

The program provides a foundation in contemporary dance practice and theory, as well as offering opportunities in a variety of movement, somatic, and creative practice courses including contemporary dance, ballet, movement analysis, improvisation, dance composition, as well as dance history. The certificate also offers students the flexibility of choosing among a wide variety of courses that may interest them, including hip-hop, African, Tai Ji, among others. Students may also participate in performance opportunities if they have an interest in performance.

HOW TO GET IN

HOW TO GET IN

Undergraduate students in good academic standing, with a cumulative GPA of 2.50 or higher, may declare this certificate.

Students must meet with the dance certificate advisor to discuss their intention to pursue the certificate. Students will enroll in two semesters of dance technique and apply for admission to the Dance Certificate at the end of the second semester. Students intending to pursue the Dance Certificate should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

REQUIREMENTS

REQUIREMENTS

The Dance Certificate requires the following course distribution for a minimum of 19 credits.

CONTEMPORARY DANCE TECHNIQUE AND THEORY

Select 6 credits from the following:

Code	Title	Credits
DANCE 111	Contemporary Dance Technique and Theory I	1-3
DANCE 112	Contemporary Dance Technique and Theory II	1-3
DANCE 211	Contemporary Dance Technique and Theory III	1-3
DANCE 212	Contemporary Dance Technique and Theory IV	1-3
DANCE 311	Contemporary Dance Technique and Theory V	1-3
DANCE 312	Contemporary Dance Technique and Theory VI	1-3
DANCE 410	Contemporary Dance Forms	1-3

BALLET TECHNIQUE

Select 2 credits from the following:

Code	Title	Credits
DANCE 125	Ballet Technique I	1-2
DANCE 126	Ballet Technique I-B	1-2
DANCE 225	Ballet Technique II	1-2
DANCE 226	Ballet Technique II-B	1-2
DANCE 325	Ballet Technique III	1-2
DANCE 326	Ballet Technique III-B	1-2

ADDITIONAL TECHNIQUES

Select 2 credits from the following. Students may also select from Additional Techniques workshops listed under DANCE 110 Workshop in Dance Activity or DANCE 560 Current Topics in Dance: Workshop .

Code	Title	Credits
DANCE 101	Social Dance I	1
DANCE 102	Social Dance II	1
DANCE 103	Modern Jazz Dance	1
DANCE 110	Workshop in Dance Activity (Sections numbered 010 and above)	1-2
DANCE 110	Workshop in Dance Activity (Hip Hop)	1-2
DANCE 110	Workshop in Dance Activity (Tai Ji)	1-2
DANCE 115	Hip-Hop Dance Technique and Theory 1	1-2
DANCE 116	Workshop in World Dance	2
DANCE 118	African Dance	1
DANCE/ ASIAN AM 121	Asian American Movement	3
DANCE/ THEATRE 218	African Dance Performance	2
DANCE/ AFROAMER/ MUSIC 318	Cultural Cross Currents: West African Dance/Music in the Americas	3
DANCE/ AFROAMER/ ASIAN AM/ FOLKLORE 319	Afro Asian Improv: From Hip Hop to Martial Arts Fusion	3

ADDITIONAL REQUIRED COURSES

Code	Title	Credits
DANCE 131	Somatic Theory and Practices	2
or DANCE 157	Introduction to Movement Analysis	
DANCE 156	Movement as Material Through Improvisation	2
DANCE 255	Movement Composition for the Performing and Visual Arts	2
or DANCE 373	Introduction to Dance and Community	
or DANCE 374	Teaching Dance	
DANCE 265	Dance History I: Dance in the Modern Era	3
or DANCE 365	Dance History II: Directions and Issues of Contemporary Dance	

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate technical specificity, musicality and artistic confidence in ballet and contemporary dance techniques through sequenced skill level progressions.
2. Recognize, identify and embody a wide range of somatic theories and practices and produce work investigating its impacts and uses in contemporary dance as practice.
3. Demonstrate an intermediate level of contemporary dance literacy and artistry.
4. Develop and practice vocabulary and methodology for analyzing and discussing dance in performance and historical contexts and begin to respond critically and thoughtfully to dance scholarship.

INTRODUCTORY STUDIES IN DANCE/MOVEMENT THERAPY, CERTIFICATE

Dance/movement therapy (DMT) is one of the creative arts therapies. It is a form of psychotherapy that uses movement, both creative and functional, as well as words, to help people — those who are generally healthy as well as those dealing with emotional, mental, or physical problems — to regain a sense of wholeness by experiencing the fundamental unity of body, mind, and spirit. The dance therapy certificate introduces students to the fascinating nonverbal aspects of human communication and its applications to a wide range of other fields such as social work, teaching, occupational therapy, physical therapy, and communication disorders.

Students will also be introduced to the use of movement in the fields of violence prevention, behavior management, and social skills development from a movement or body/mind perspective. Students who complete this certificate are prepared to attend graduate school in the field of dance/movement therapy, a requirement for the professional practice in this field, or to use embodied practices in related fields. In addition, students develop a repertoire of strategies to help cope with the stress and anxiety inherent in college life and develop insights into their own body/mind connections.

This certificate is also available to individuals who have already completed a bachelor's degree; see the Nondegree/Visiting Student Guide (https://guide.wisc.edu/nondegree/).

HOW TO GET IN

HOW TO GET IN

DECLARATION PROCESS

Prospective certificate students should meet with the Dance/Movement Therapy Certificate advisor to discuss their intentions to pursue the certificate. Enroll in the first- or second-semester dance/movement therapy course:

- DANCE 231 Introduction to Dance/Movement Therapy *or*
- DANCE 232 Introduction to Dynamics of Dance Therapy.

Application is usually made directly after the completion of Introduction to Dynamics of Dance Therapy. Students intending to pursue the Dance/Movement Therapy Certificate should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

REQUIREMENTS

REQUIREMENTS

The Introductory Studies in Dance/Movement Therapy certificate requires a minimum of 19 credits.

SUPPORTIVE DISCIPLINARY COURSEWORK

Choose a course (3-credit minimum) from the following departments: Counseling Psychology (https://guide.wisc.edu/courses/coun_psy/), Educational Psychology (https://guide.wisc.edu/courses/ed_psych/), Psychology (https://guide.wisc.edu/courses/psych/), Rehabilitation Psychology and Special Education (https://guide.wisc.edu/courses/rp_se/).

BODY STUDIES

Select 2 courses from the following:

Code	Title	Credits
DANCE 131	Somatic Theory and Practices	2
DANCE 156	Movement as Material Through Improvisation	2
DANCE 157	Introduction to Movement Analysis	2

REQUIRED DANCE DEPARTMENT COURSEWORK

All students are required to complete the following:

Code	Title	Credits
DANCE 231	Introduction to Dance/Movement Therapy	3
DANCE 232	Introduction to Dynamics of Dance Therapy	3
DANCE 331	Dynamics of Dance Therapy	3
DANCE 431	Dance Therapy Practicum	3

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Body Studies) Gain skill in expressing through movement and understanding its connection to emotion.
2. Develop literacy about the field of Dance/Movement Therapy.
3. Practice and practical work in movement analysis as a tool for Dance/Movement Therapy.

PILATES, CERTIFICATE

The Pilates certificate includes coursework in the classic Pilates mat and equipment repertoire, current teaching methods, and functional anatomy. The certificate prepares students to teach Pilates in a studio setting and also creates a practical foundation for those who wish to pursue graduate work in movement-based fields.

This certificate program is open to all interested students and is often pursued by students working toward degrees in dance, kinesiology, athletic training, physical therapy, occupational therapy, or other health/fitness fields.

The curriculum can be completed in two years. Upon completion, students are encouraged to sit for the Pilates Method Alliance certification exam to earn their credentials as nationally certified Pilates teachers.

This certificate is also available to individuals who have already completed a Bachelor's degree; see the Nondegree/Visiting Student Guide (https://guide.wisc.edu/nondegree/).

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates and University Special Students are eligible to complete the Certificate in Pilates.

Students should meet with the Pilates Certificate Coordinator to discuss their intention to pursue the certificate. Appointments may be arranged via email. To declare the certificate, students must also complete the application form (https://education.wisc.edu/academics/certificates/) located on the School of Education's Certificate Programs page.

REQUIREMENTS

REQUIREMENTS

The Pilates certificate requires a minimum of 20 credits.

Code	Title	Credits
DANCE 135	Pilates Mat I	1
DANCE 136	Pilates Equipment I	2
DANCE 235	Pilates Mat II	1
DANCE 236	Pilates Equipment II	2
DANCE 237	Pilates Studio I	3
DANCE 330	Functional Anatomy for Movement Practices	2
DANCE 337	Pilates Studio II	3
DANCE 375	Pilates Teaching Methods	1
DANCE 376	Pilates Teaching I	2
DANCE 476	Pilates Teaching II	3
Total Credits		**20**

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Pilates Practice - Strength, Focus, Movement Efficiency) Demonstrate proficiency in Pilates exercises, including fundamental exercises and beginner through advanced mat and equipment work. Students will show significant improvement in body awareness, physical skill and strength, and efficient movement patterning.
2. (Pilates Teaching - Safety, Clarity, Communication) Confidently teach one-on-one and group Pilates classes, effectively communicating physical and conceptual ideas about the body to a variety of learning styles, body types and physical backgrounds.
3. (Anatomical Approaches to Pilates) Integrate current anatomical research into practice and teaching, using a variety of somatic approaches to embodying healthy anatomical function.

EDUCATION - SCHOOL-WIDE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Individual Major, BSE (p. 1627)

INDIVIDUAL MAJOR, BSE

The individual major provides undergraduates with an opportunity to develop a unique course of study; one that is interdepartmental and not reflected in existing degree programs. Completion of the individual major does not lead to a professional license or certification, although graduates may be interested in pursuing alternative educational careers or graduate work. Graduates earn a BS–Education degree.

HOW TO GET IN

HOW TO GET IN

ADMISSION ELIGIBILITY REQUIREMENTS

To be eligible, applicants must:

- earn a 2.75 cumulative GPA on the UW–Madison campus.[1]
- complete a minimum of 54 credits
- receive approval of major program proposal submitted by the applicant.

[1] For alternative calculation of cumulative GPA, see Last 60 Credits Rule.

Last 60 Credits Rule

Two grade point averages will be calculated to determine candidates' eligibility to the program. GPAs will be calculated using

- all transferable college-level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

APPLICATION PROCEDURES

Once a committee of three persons has been chosen in accord with the guidelines and required courses have been selected, students should proceed as follows:

- Submit an Individual Major in Education proposal form (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/).
- Submit the program plan and narrative with the transfer application for associate dean's approval. The three-member committee must sign the proposal in the spaces indicated. Failure to submit a program narrative will void the transfer.

Once an application form has been submitted, changes must be approved by both the chair of the committee and the associate dean. Changes must be recorded on the program plan. If more than two program changes are made, a new application form must be filed by the student.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Bachelor of Science (BS) degree program with an individual major has three components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Major* requirements permit in-depth study of a unique area within the School of Education. Students create their own, interdepartmental major following the guidelines established by the school. When completed, the title of the individual major is listed on the student's transcript.

- *Elective* credits make it possible to pursue additional areas of interest and are necessary to reach the minimum of 120 credits required for the degree.

REQUIREMENTS OF THE INDIVIDUAL MAJOR

DEVELOPMENT OF THE MAJOR

Students must have an area of interest that they wish to develop into a 36–42 credit formalized program of study, or major. Advisors in Education Student Services, Room 139 Education Building, 1000 Bascom Mall, 608-262-1651, can discuss students' interests and help frame the written narrative required of the major. Current students can schedule an appointment with an advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

Applicants must develop a narrative describing the proposed course of study and its related career goals. Information should be included which will enable a faculty committee to identify the relationship among the proposed program of study, a general interest in education, and career goals. A program title cannot duplicate the existing title of any program at UW–Madison.

SELECTION OF MAJOR COURSEWORK

Select courses that support the program narrative, in consultation with the major advisor; see below. **All courses in the major must be from School of Education course offerings.** All credits in the major must be completed after admission into the program (IME classification).

Additional requirements regarding the major are:

- To ensure depth and breadth of study, no more than two-thirds of the total credits in a major can be taken from any one department (i.e., if a major is 36 credits, no more than 24 credits can be in one department).
- A sequential development of courses must be planned in consultation with the major advisor and committee, and must be approved by the committee. The course sequence must include beginning through advanced levels of work as prescribed by the credit distribution.
- At least 20 of the IME credits must be at the intermediate or advanced levels (generally numbered 300 or above, but this varies in some departments).
- Courses in the School of Education completed prior to admission to the IME classification may not be used toward satisfaction of the 36–42 credits in the major without the faculty committee and associate dean's approval. The credits may count toward the 120 credits required for graduation.
- Degree candidates must complete at least 15 credits of upper-level major coursework in residence on the UW–Madison campus.
- An individual major which essentially parallels an existing departmental major will not be accepted.
- Directed study credits (e.g. 399, 699) are acceptable, but each course must be accompanied by a statement that includes a description of the focus of study, the requirements for successful completion of the credits, and a discussion of the applicability of content to the proposed individual major. Usually no more than 3 credits of Independent Study will be allowed. Approval of the associate dean is required in order to exceed three credits.
- Students must complete prerequisites for all courses and, in some departments, may be required to complete foundational courses.

SELECTING THE ADVISORY COMMITTEE AND MAJOR ADVISOR

The applicant must create a three-member committee to oversee his or her work. Only assistant, associate, and full professors may serve on the committee; individuals holding such titles as Lecturer or Instructor cannot serve in this capacity. One of the committee members will be selected by the student to be the major advisor. The major advisor must be from a department within the School of Education and from the department in which the majority of courses for the individual major will be taken, i.e., the core area of study. The second faculty member must be from the same department as the major advisor/committee chair. The third faculty member must be from another department in the School of Education in which courses will be taken for the individual major. The associate dean serves as ex officio to the three-member committee and gives final approval to all programs and any exceptions.

ELECTIVE CREDITS

Elective credits make it possible to pursue additional areas of interest. Many students, for example, use their elective credits to complete an additional major from the College of Letters & Science. Some use this second major to complement their individual major, while others select second majors that are completely unrelated to their first. Elective credits are necessary to reach the minimum of 120 credits required for the degree.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Graduation requirements are based on UW–Madison coursework. Graduation GPA requirements may be modified by the Last 60 Credits Rule (p. 1494).

- 2.75 cumulative grade point average.
- 2.75 cumulative grade point average across all major coursework
- 2.75 cumulative grade point average across all upper-level (numbered 300 and above) major coursework
- Degree candidates must complete at least 120 total credits.
- Major residency. Degree candidates must complete at least 15 credits of upper-level major coursework in residence on the UW–Madison campus.
- Senior residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus.

DEGREE AUDIT (DARS)

UW–Madison uses “DARS” to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification

such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Individual Major: Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report and the Course Guide to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Development of the Major

Students must have an area of interest that they wish to develop into a 36–42 credit formalized program of study, or major. Advisors in the School of Education Student Services office, Room 139 Education Building, 1000 Bascom Mall, 608-262-1651, can discuss your interests and help frame the written narrative required of the major. Current students can schedule an appointment with an advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

Applicants must develop a narrative describing the proposed course of study and its related career goals. Information should be included which will enable a faculty committee to identify the relationship among the proposed program of study, a general interest in education, and career goals. All courses in the major must be from School of Education course offerings and all credits in the major must be completed after admission into the major (IME classification). The title of the major cannot duplicate the existing title of any other major or program at UW–Madison. Consult the Guide for more information on creating an individual major and its requirements.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Liberal Studies course work	12-15	Ethnic Studies	3
		Quantitative Reasoning A	3
		Liberal Studies course work	6-9
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Communication B	3	Develop and submit major proposal for approval	
Liberal Studies course work	12	Quantitative Reasoning B	3
		Liberal Studies or General Elective course work	12
	15		**15**

Junior

Fall	Credits	Spring	Credits
Major course work[1]	9-12	Major course work	9-12
Liberal Studies or General Elective course work	3-6	Liberal Studies or General Elective course work	3-6
	15		**15**

Senior

Fall	Credits	Spring	Credits
Major course work (upper level)	9-12	Major course work (upper level)	9-12
Liberal Studies or General Elective course work	3-6	Liberal Studies or General Elective course work	3-6
	15		**15**

Total Credits 120

[1] At least 15 credits of major course work must be upper-level (numbered 300 and above) and taken in residence.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING FOR THE INDIVIDUAL MAJOR

Students interested in the Individual Major should first consult with an advisor in the School of Education Student Services office, see below. Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Eventually, a committee to oversee the major will be formed and also provide advising in the major.

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

EDUCATIONAL POLICY STUDIES

The Department of Educational Policy Studies, the #4 ranked education policy department in the nation, deepens and expands the understanding of educational policy and practice, past and present, at local, national, and international levels.

Through eye-opening, challenging coursework, students analyze educational dilemmas, conduct research, and develop skills to shape policy and practice across the globe. Students have opportunities for experiential learning through internships, community-based learning, and study abroad. The department provides a supportive intellectual community with peers and faculty committed to addressing the most pressing issues in education and in society.

Undergraduate courses emphasize the impact of educational programs and policies on equity, justice, educational improvement, and well-being. Course topics include the history, sociology, anthropology, economics, politics, and philosophy of education, comparative and international education, policy and evaluation, and educational equity. The department has strong ties with institutions and scholars in the U.S. and in other countries.

The department offers an undergraduate Bachelor of Science degree program in Educational Policy Studies (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/education-studies-bs/). This program is designed to meet the needs of undergraduate students who are interested in working in domestic and/or global educational policy and practice. A new Honors program in Educational Policy Studies will be launched in the fall of 2025.

Graduates work as policy researchers, education specialists, program directors, community leaders, and more. Others go on to graduate research and professional degrees in a range of education fields.

The department features four certificate programs:

- The popular Educational Policy Studies (EPS) Certificate (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/educational-policy-studies-certificate/) provides students with an understanding of education debates, education policy, and education advocacy, and allows them to develop skills to critically examine policy.

- The Social Justice and Education Certificate (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/social-justice-education-certificate/) provides students with an understanding of the social, political, and economic inequities that shape our schools and broader society, as well as how educators, students, administrators, parents, and community members have sought to interrupt these inequities (historically and in the contemporary period).
- The Global Languages, Cultures, and Education Certificate (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/global-cultures-languages-education-certificate/) examines cultural diversity, social inequality, language policy, and literacy. It provides students with skills to work globally, within and beyond schools, in fields related to language, culture, and education.
- The International Education and Development Certificate (https://guide.wisc.edu/undergraduate/education/educational-policy-studies/international-development-education-certificate/) investigates the complex issues that shape international educational policies, programs, and practices as they address challenges of poverty, inequality, forced migration, sustainability, colonialism, and human rights. Students explore careers in international education development and global service with governmental and non-governmental organizations, educational institutions, and community development organizations.

Many Educational Policy Studies students pursue a second major and/or certificates that complement the skills and knowledge they are gaining via their EPS coursework and experiences.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Educational Policy Studies, BS (p. 1632)
- Educational Policy Studies, Certificate (p. 1640)
- Global Cultures, Languages, and Education, Certificate (p. 1641)
- International Development and Education, Certificate (p. 1649)
- Social Justice and Education, Certificate (p. 1651)

EDUCATIONAL POLICY STUDIES, BS

The Educational Policy Studies degree program, formerly the Education Studies program, addresses urgent questions related to domestic and global education policy and practice. Majors become thought leaders who engage critically and ethically in educational policy debates and practice. While pursuing Educational Policy Studies, students (https://eps.education.wisc.edu/current-students/student-profiles/):

- Analyze the relationships among education, inequality, and social justice
- Investigate local, national, and global connections between education and other policy areas, including housing, healthcare, migration, justice, political reform, economic development, and foreign policy
- Explore contemporary educational issues from early childhood through K-12, higher education, and the workforce
- Engage in community-based learning, study abroad and study away, career development, internships, and research experiences related to education
- Compete for grants (https://eps.education.wisc.edu/about/student-awards/) for research or applied work and awards (https://eps.education.wisc.edu/about/student-awards/) in writing, research, and community-engaged scholarship
- Acquire qualitative, quantitative, philosophical, and historical research skills to study current issues in education policy and apply knowledge to practice

Through coursework, projects, advising, and independent studies, the Educational Policy Studies major prepares students for work in educational settings such as:

- Governmental agencies
- Non-governmental organizations (both domestic and international)
- Think tanks and policy institutes
- Community organizations
- Corporate, community, and non-traditional educational spaces

Graduates might serve as education and policy analysts, education specialists, policy researchers, education advocates, program directors, community-based educators or youth workers, education trainers, or in other positions of institutional leadership. They will also be well prepared to work in government, education, and social justice-related organizations, or to pursue advanced studies in education or educational policy at the master's and doctoral level.

Graduates will receive a Bachelor of Science degree in Educational Policy Studies from the School of Education. This program does not lead to teacher certification, but it can enhance and complement teacher preparation programs. Students interested in gaining teaching licenses after graduation should connect with the School of Education Student Services (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) office or the School of Education Career Center (https://careercenter.education.wisc.edu/) office on campus to discuss their options.

"There were two classes I took in the same semester that made me switch my major to Educational Policy Studies completely. They were ED POL 412: History of American Education and ED POL 300: School and Society. ED POL 412 was about how education came to be from the colonial time period in the United States through the present day. ED POL 300 is a class that makes us ask questions like, 'how does our society influence our schools?' and 'how do our schools influence our society?,' all within the context of the United States. Both courses were really interesting to me."
– Abby Stoa (read more (https://education.wisc.edu/news/abby-stoa-from-the-school-of-educations-educational-policy-studies-major/?utm_source=Early_AD&utm_medium=email&utm_campaign=EPS_majors&utm_id=st

HOW TO GET IN

HOW TO GET IN

PROGRAM DECLARATION OVERVIEW

The Educational Policy Studies major may be completed either as the primary major or as an additional ("double") major.

Primary Major in Educational Policy Studies

Undergraduate students interested in completing the Bachelor of Science–Educational Policy Studies degree program will fulfill the School of Education's liberal studies and other degree requirements in addition to the 30 credits required for the Educational Policy Studies major.

Additional Major in Educational Policy Studies

Undergraduate students from all schools and colleges on campus (including the School of Education) may declare Educational Policy Studies as an additional major. Students completing Educational Policy Studies as an additional major do not need to complete the School of Education's liberal studies and other degree requirements. For declaration information, go directly to the Additional Major in Educational Policy Studies (p. 1634) section below.

ENTERING THE SCHOOL OF EDUCATION

New and Current UW–Madison Students

Incoming freshmen enter directly into the Bachelor of Science–Educational Policy Studies degree program upon admission to UW–Madison; list Educational Policy Studies as the intended major. No additional declaration to Educational Policy Studies is required. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information.

All other on-campus students will submit a declaration form following a meeting with an advisor in the School of Education Student Services office, 139 Education Building. Call 608-262-1651 or email studentservices@education.wisc.edu, to schedule an appointment; current students can also schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

Prospective Transfer Students

Transfer students must be admissible to the university to enroll in a School of Education degree program. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information. Transfer students enter directly into the Bachelor of Science–Educational Policy Studies degree program upon admission to UW–Madison; list Educational Policy Studies as the intended major. No additional declaration to Educational Policy Studies is required. Prospective transfer students are strongly advised to meet with an advisor in the School of Education Student Services office, 139 Education Building, in advance of their application. Consultations with advisors are available in person, virtually, or via telephone. To schedule, call 608-262-1651 or email studentservices@education.wisc.edu. Requirements and selection criteria may be modified from one declaration period to the next. .

Students With A Previous Degree

Prospective students who already hold an undergraduate degree must be admissible to the university to enroll in a School of Education degree program. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information.

Applicants must also meet the following criteria for admission as a second undergraduate degree candidate in the School of Education. Candidates must:

- be seeking a new major that is substantially different from their previous degree work;
- need to complete at least 15 upper-level credits in the new major;
- need to complete at least 30 credits beyond their previous coursework.

When admitted, second degree candidates enter directly into the Bachelor of Science–Educational Policy Studies degree program. No additional declaration to Educational Policy Studies is required.

Prospective students who already hold an undergraduate degree are strongly encouraged to meet with an advisor in the School of Education Student Services office, 139 Education Building, in advance of their application to UW-Madison. Consultations with advisors are available in person, virtually, or via telephone. To schedule, call 608-262-1651 or email studentservices@education.wisc.edu. (studentservices@education.wisc.edu)

DECLARATION AND ADMISSION

While new first year students and off-campus transfers are admitted directly to the Bachelor of Science–Educational Policy Studies degree program, all other current UW–Madison students seeking to enter the BS–Educational Policy Studies degree program must consult with an advisor in the School of Education Student Services office, 139 Education Building, prior to submitting a declaration form. Current students can schedule an appointment with an advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Criteria for Admission

Eligibility to declare the Bachelor of Science–Educational Policy Studies degree:

- Cumulative grade point average of at least a 2.5 based on UW–Madison campus coursework, as modified by the Last 60 Credits Rule described below. Note: Students declaring Educational Policy Studies as an additional major are not held to this requirement.
- Submission of all required declaration materials, including program declaration form and transcripts.

Requirements and selection criteria may be modified from one declaration period to the next.

Last 60 Credits Rule

Two grade point averages may be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted,

all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

ADDITIONAL MAJOR IN EDUCATIONAL POLICY STUDIES

Undergraduate students from all schools and colleges on campus (including the School of Education) may declare Educational Policy Studies as an additional major. Students wishing to declare the additional major must visit an advisor in the School of Education Student Services office, 139 Education Building, to complete the declaration form; call 608-262-1651 or schedule an appointment with an advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. The declaration must also be approved by the student's home school/college.

An additional major in Educational Policy Studies only requires the completion of the 30 credit major. Students do not need to complete the School of Education's liberal studies and other degree requirements for the additional major. Applicants are not held to the 2.5 cumulative GPA required of students completing the Educational Policy Studies degree program.

Please note that the requirements of the additional major must be completed before or concurrently with the degree program and primary major.

DECLARING HONORS IN THE MAJOR

Students wishing to pursue Honors in Educational Policy Studies must consult with an advisor in the School of Education Student Services office, 139 Education Building, prior to submitting an Honors declaration form. Current students can schedule an appointment with an advisor online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Criteria for Admission

Admission to Honors in Educational Policy Studies requires that students:

- Be a declared major in Educational Policy Studies. Students may declare the major and Honors at the same time.
- Have a minimum GPA of 3.3
- Have met with a School of Education Advisor regarding Honors in the Major
- Select a research method pathway and *have completed* one prerequisite research course (ED POL 209 or ED POL 308) with a grade of AB or higher
- Submit all required declaration materials, including the Honors declaration form and transcript(s).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, including ethnic studies, humanities/literature, social studies, and science. Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science
All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies
All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Educational Policy Studies program has three primary components:

- *Liberal studies* and *general education* courses that expose students to a broad range of academic disciplines.
- *Major* coursework in educational policy studies, including core course, depth, and breadth requirements.
- *Elective* credits to pursue individual areas of interest. Educational Policy Studies majors are encouraged to consider completing complementary coursework in the College of Letters & Science, possibly including an additional major. The structure of the Educational Policy Studies degree program makes it possible to complete an additional major and still graduate in four years.

MAJOR REQUIREMENTS

The Educational Policy Studies major requires 30 credits, to include core courses (9 credits), information literacy requirement (3 credits), depth requirements (9 credits) and breadth requirements (9 credits).

CORE COURSES, 9 CREDITS

Complete the following:

Code	Title	Credits
ED POL 240	Comparative Education	3
ED POL 300	School and Society	3
ED POL/ HISTORY 412	History of American Education	3

INFORMATION LITERACY REQUIREMENT, 3 CREDITS

Complete a minimum of one course (3 credits) which provides focused attention on developing information literacy in the field of education.

According to the American Library Association, "Information literacy is a set of abilities, requiring individuals to 'recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information' (American Library Association. Presidential Committee on Information Literacy. (https://www.ala.org/acrl/publications/whitepapers/presidential/)) 'To be information literate, then, one needs skills not only in research but in critical thinking" (American Library Association, 2025 (https://literacy.ala.org/information-literacy/)). "Information Literacy empowers people in all walks of life to seek, evaluate, use and create information effectively to achieve their personal, social, occupational and educational goal." (UNESCO, 2023 (https://www.unesco.org/en/ifap/information-literacy/)).

Code	Title	Credits
ED POL 134	Media Literacy and Misinformation in Education	3
ED POL/ HISTORY 143	History of Race and Inequality in Urban America	3
ED POL 145	Introduction to Education Policy	3
ED POL 209	Introduction to Quantitative Methods in Education Policy	3
ED POL 308	Introduction to Qualitative Research Methods in Education	3

DEPTH REQUIREMENTS, 9 CREDITS

Complete#a minimum of three courses (9 credits) to facilitate in-depth study of education policy and practice. At least one course (3 credits) must be an advanced ED POL course (numbered 500 or above).

Code	Title	Credits
ED POL/ HISTORY 107	The History of the University in the West	3
ED POL 112	Global Education through Film	3
ED POL 123	Education, Technology, and Society: AI, Big Data, and the Digital Divide	3
ED POL 134	Media Literacy and Misinformation in Education	3
ED POL 140	Introduction to Education	3
ED POL/ HISTORY 143	History of Race and Inequality in Urban America	3
ED POL 145	Introduction to Education Policy	3
ED POL 147	Ethics and Education	3
ED POL 150	Education and Public Policy (U.S. topics only)	3
ED POL/ GEN&WS 160	Gender, Sexuality, and Education Policy	3
ED POL 180	Education and White Supremacy	3
ED POL 197	Listening to the Land	3
ED POL 200	Race, Ethnicity, and Inequality in American Education	3
ED POL 202	Careers in Education	3
ED POL 203	Internship in Education, Arts, or Health	1-3
ED POL 205	Language and Social Inequality	3
ED POL 209	Introduction to Quantitative Methods in Education Policy	3
ED POL 210	Youth, Education, and Society	3
ED POL 212	Education for Social Justice	3
ED POL 215	Disability and Education Policy	3
ED POL/ INTL ST 220	Human Rights and Education	3
ED POL 222	Indigenous Education Policy and Practice	3

ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	3
ED POL 245	Education in East Asia	3
ED POL/CURRIC/ LEGAL ST 250	Incarceration and Education	3
ED POL 260	Introduction to International Education Development	3
ED POL 305	Democracy and Education	3
ED POL 308	Introduction to Qualitative Research Methods in Education	3
ED POL 309	Applied Quantitative Education Research	3
ED POL/ CHICLA 310	Latine Students in the U.S. Higher Education System	3
ED POL 320	Climate Change, Sustainability, and Education	3
ED POL/ INTL ST 335	Globalization and Education	3
ED POL/CHICLA/ LACIS 342	Education across the Americas: Empire, Capitalism, and Resistance	3
ED POL 345	Economics of Education	3
ED POL 350	Topics in Education Studies (U.S. topics only)	3
ED POL 355	The Politics of Education Injustice in the US	3
ED POL 423	Education for Global Change	3
ED POL 435	Education in Emergencies	3
ED POL 450	Rethinking "After-School" Education	3
ED POL 460	Immigration, Education, and Equity	3
ED POL/ HISTORY 478	Comparative History of Childhood and Adolescence	3
ED POL 500	Topics on Social Issues and Education (U.S. topics only)	3
ED POL 505	Issues in Urban Education in the U.S.	3
ED POL 510	Urban School Policy	3
ED POL/CURRIC/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	3
ED POL/CURRIC/ RELIG ST 516	Religion and Public Education	3
ED POL 518	Introduction to Debates in Higher Education Policy	3
ED POL 525	Is College Possible? College Access and Admissions in the US	3
ED POL/ PHILOS 540	Egalitarianism and Educational Justice	3
ED POL/ELPA/ LEGAL ST 542	Law and Public Education	3
ED POL/ PHILOS 545	Philosophical Conceptions of Teaching and Learning	3
ED POL/ PHILOS 550	Philosophy of Moral Education	3
ED POL/ GEN&WS 560	Gender and Education	3
ED POL/ AFROAMER 567	History of African American Education	3
ED POL/ ANTHRO 570	Anthropology and Education	3
ED POL 575	Education Policy and Practice	3
ED POL 580	Participatory and Community-Based Research and Evaluation	3
ED POL 585	Family and Community Engagement in Education	3
ED POL 595	Language Politics and Education	3
ED POL 600	Problems in Educational Policy (U.S. topics only)	3
ED POL 601	Research and Evaluation for Equity	3
ED POL 605	Using Secondary Data: Applied Quantitative Analysis	3
ED POL/ HISTORY 612	History of Student Activism from the Popular Front to Black Lives Matter	3
ED POL/ HISTORY 622	History of Radical and Experimental Education in the US and UK	3
ED POL/SOC 648	Sociology of Education	3
ED POL/ HISTORY 665	History of the Federal Role in American Education	3
ED POL 675	Introduction to Comparative and International Education	3
ED POL 688	Introduction to Survey Methods for Education Research	3

BREADTH REQUIREMENTS, 9 CREDITS

Code	Title	Credits
Required Breadth Course		
Complete one of the following:		3
ED PSYCH 301	How People Learn	
ED PSYCH 320	Human Development in Infancy and Childhood	
ED PSYCH 321	Human Development in Adolescence	
ED PSYCH 331	Human Development From Childhood Through Adolescence	
Additional Breadth Course Options		
Complete additional coursework NOT selected above, or from the courses listed below. ED PSYCH 301, 320, 321 and 331 may also count here, but not toward both breadth requirements.		
CURRIC 240	Critical Aspects of Teaching, Schooling, and Education	3
CURRIC/ CHICLA 321	Chicano/Latino Educational Justice	3
CURRIC 331	Taking Education Outside of School	3
CURRIC 366	Internationalizing Educational Knowledge	3
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
ED PSYCH 326	Mind, Brain and Education	3
ED PSYCH 506	Contemporary Issues in Educational Psychology	3

ED PSYCH 541	Applied Behavior Analysis in Classrooms	3
ELPA 640	Legal Rights and Responsibilities for Teachers	1-3
INTER-LS 300	Topics in Teaching and Learning in the Letters, Arts, and Sciences (Understanding and Improving Instruction topic only; other topics require approval)	3

ELECTIVE CREDITS

Complete additional credits to complete the minimum of 120 required for the degree. Educational Policy Studies majors are encouraged to consider completing complementary coursework in the College of Letters & Science, possibly including an additional major. The structure of the Educational Policy Studies degree program makes it possible to complete an additional major and still graduate in four years.

HONORS IN THE MAJOR

Honors in the major is for students who want more in-depth understanding and experiences in educational policy studies, as well as hands-on research experience. Honors in the Major also provides students with opportunities to develop leadership, writing, and critical thinking skills beneficial to a range of graduate programs and career choices. Honors students in Educational Policy Studies will join a vibrant intellectual community of faculty, staff, and students committed to furthering socially just visions of education to answer the most pressing issues in education and in society.

To be admitted to the program, Honors in Educational Policy Studies students must:

- Be a declared major in Educational Policy Studies,
- Have a minimum GPA of 3.3,
- Have met with a School of Education Advisor regarding Honors in the Major
- Select a research method pathway and *have completed* one prerequisite research course with a grade of AB or higher:

See How to Get in (p. 1633) for more details regarding the Honors declaration process.

EDUCATIONAL POLICY STUDIES HONORS RESEARCH PATHWAY

To earn Honors in the Major, students must satisfy the requirements for the major and the following additional requirements:

- Earn a 3.3 University GPA
- Earn a 3.5 GPA average for all ED POL courses
- Participate in Department research colloquium.
- Complete a two-semester Honors capstone experience, comprising the Honors Capstone class (ED POL 680), and an ED POL course (Qualitative: ED POL 618 or ED POL 580; Quantitative: ED POL 605 or ED POL 688) that offers a mentored research experience.
- Students must receive a B or higher in ED POL 680 in order to receive honors in the major.

Qualitative Research Honors Pathway

Code	Title	Credits
Prerequisite for honors declaration		
ED POL 308	Introduction to Qualitative Research Methods in Education	
Capstone Course		
ED POL 680	Educational Policy Studies Honors Capstone	
Mentored Research Course		
ED POL 618	Advanced Qualitative Research Methods in Education	
or ED POL 580	Participatory and Community-Based Research and Evaluation	

Quantitative Research Honors Pathway

Code	Title	Credits
Prerequisite for honors declaration		
ED POL 209	Introduction to Quantitative Methods in Education Policy	3
Capstone Course		
ED POL 680	Educational Policy Studies Honors Capstone	3
Mentored Research Course		
ED POL 605	Using Secondary Data: Applied Quantitative Analysis	3
or ED POL 688	Introduction to Survey Methods for Education Research	

ADDITIONAL CONSIDERATIONS FOR HONORS IN THE MAJOR

Students may take ED POL 680 before or after their research apprenticeship class. ED POL 680 will only be offered in the Fall semester.

The capstone course will give students an opportunity to develop expertise in existing research on an issue or question of interest to them and complete a capstone project. The capstone course will also help students engage in interdisciplinary conversations, consider pressing issues in education, explore potential professional and academic trajectories, and prepare for future careers and graduate education.

Students may declare the major and honors at the same time and may do so any time in their programs; however, being accepted to into the Honors program is a prerequisite to enrolling in ED POL 680. It is strongly advised that you declare Honors in the major as soon as you that know that you would like to do the program so that you can receive information and opportunities related to honors in the major.

The mentored research course (ED POL 618, ED POL 580, ED POL 605, or ED POL 688) is an opportunity to gain educational research and policy skills appropriate for graduate school or an array of future careers. Students may take ED POL 680 before or after their mentored research class

Honors research will be in the social sciences, either quantitative or qualitative research methods. Educational Policy Studies Honors in the Major cannot currently accommodate student research apprenticeships in philosophy or history. Students interested in writing a historical or philosophical thesis are encouraged to do so through the History and

Philosophy departments. Several Educational Policy Studies history and philosophy faculty have served on such committees in the past.

Students may change their intended research pathway (quantitative or qualitative) after being admitted to the Honors program but will still need to complete the appropriate prerequisite for the advanced research methods course (either ED POL 209 or ED POL 308) or receive permission of the instructor and the department chair.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Based on UW–Madison coursework.

2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.

2.5 cumulative major grade point average.

2.5 cumulative grade point average in all upper-level major coursework ("upper-level" defined as numbered 300 and above).

Major Residency: Students must complete at least 15 credits of upper-level major coursework numbered 300 or above in residence on the UW–Madison campus. At least three of these credits must be in an advanced ED POL course numbered 500 and above.

Senior Residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.

Total credits: A minimum of 120 credits are required for graduation.

DEGREE AUDIT REPORTING SYSTEM (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Formulate research-based arguments on topics in education policy using academic literature, including both primary and secondary sources.
2. Critically examine education and its contexts through multiple theoretical perspectives (e.g., sociocultural, economic/political, historical, philosophical).
3. Analyze pressing questions in education using different historical, philosophical, and/or social science research methods.
4. Analyze education issues from diverse perspectives related to forms of social difference (e.g., race, class, nationality, disability, gender, sexuality).
5. Gather information, critically analyze arguments, and thoughtfully communicateresearch-based arguments to a variety of audiences, using different modes of communication.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Educational Policy Studies: Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Educational Policy Studies depth course (100 or 200 level)	3	Educational Policy Studies depth course (100 or 200 level)	3
Liberal Studies course work	9-12	Ethnic Studies - Complete one of:	3
		ED POL/ HISTORY 143	
		ED POL 180	
		ED POL 197	
		ED POL 200	
		ED POL 210	
		Quantitative Reasoning A	3
		Liberal Studies course work	3-6
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
ED POL 300	3	ED POL 240	3
Liberal Studies course work	12	ED POL 209 (Quantitative Reasoning B)	3
		Liberal Studies or General Elective course work	9
	15		**15**

Junior

Fall	Credits	Spring	Credits
ED POL/HISTORY 412	3	Educational Policy Studies Breadth course	3
Communication B - Complete one of:	3	Liberal Studies or General Elective course work	12
ED POL/ HISTORY 143			
ED POL 305			
ED POL 350			
Complete one of:	3		
ED PSYCH 301			
ED PSYCH 320			
ED PSYCH 321			
ED PSYCH 331			
Liberal Studies or General Elective course work	6		
	15		**15**

Senior

Fall	Credits	Spring	Credits
Educational Policy Studies Depth course (upper level)	3	Educational Policy Studies Depth course (upper level)	3
Educational Policy Studies Breadth course	3	Liberal Studies or General Elective course work	12
Liberal Studies or General Elective course work	9		
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

EDUCATIONAL POLICY STUDIES ADVISING

Students are advised by staff from the School of Education Student Services office (Room 139 Education Building) at SOAR and during the regular academic year (see below). Admitted students are also assigned a departmental advisor.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions

- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Educational Policy Studies Pathways (https://careercenter.education.wisc.edu/explore-career/education-policy-studies-career-pathway/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

EDUCATION STUDIES AND THE WISCONSIN EXPERIENCE

Educational Policy Studies (EPS) coursework is enhanced by supplemental activities — in and beyond the classroom — that extend what students are learning in course texts and discussions.

Engage with Guest Experts

Many Educational Policy Studies (ED POL) courses feature guest speakers, including prominent scholars from universities across the globe, local educational leaders from community-based organizations and school districts, and educational policymakers. The Department also hosts speakers who highlight cutting-edge research, policy debates, careers, new developments in education (https://eps.education.wisc.edu/about/conferences/), and examples of how educational research informs policy and practice. Students have opportunities to learn from a variety of experts, expand their perspectives, ask questions, and connect.

Honors Program

Students in the Honors program gain more in-depth understanding and experiences in educational policy studies, as well as a hands-on, mentored research experience with faculty. Students also have opportunities to develop leadership, writing, and critical thinking skills beneficial to a range of graduate programs and career choices.

Volunteer, Leadership, and Community-Based Experiences

Educational Policy Studies students often volunteer and assume leadership roles on campus and/or within the broader community. They may take Community-based Learning (CBL) courses in EPS that enable them to integrate what they're learning in the classroom with what they're learning as volunteers in local educational spaces, such as schools, the United Way (https://www.unitedwaydanecounty.org/), Centro Hispano (https://www.micentro.org/), Goodman Center (https://www.goodmancenter.org/), and other organizations.

Leadership and Mentoring in the EPS Community

EPS majors develop leadership skills through programs like the EPS Ambassadors Program, in which students advise Educational Policy Studies faculty and staff, and recruit new students via course presentations and participation in departmental events. Incoming and transferring Education Studies majors are invited to partake in our Education Studies Buddy program, where they will be paired with a Junior or Senior Education Studies major for guidance and mentorship. Students contribute actively to building a supportive intellectual community in the major.

Career Development and Internships

Our department encourages career development beyond our classrooms by offering internships and courses such as ED POL 202 Careers in Education that prepare EPS majors to pursue careers post-graduation.

Awards

Awards in the EPS program, including the Outstanding Research Paper in Educational Policy Studies Award, the Outstanding Project in Educational Policy Studies Award, and the Eric Flanagan Community-Engaged Scholarship Award, recognize undergraduate excellence.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

EDUCATIONAL POLICY STUDIES, CERTIFICATE

Through the Educational Policy Studies Certificate, students learn about education debates, education policy, and educational advocacy. Courses emphasize the implications of policy decisions for equity, justice, and well-being. Students critically analyze policy issues from multiple perspectives.

Students interested in pursuing this certificate are encouraged to consult with advising staff in the School of Education Student Services

office, Room 139 Education Building, 1000 Bascom Mall. Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email, studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

The EPS certificate is also available to individuals who have already completed a bachelor's degree; see the Nondegree/Visiting Student Guide (https://guide.wisc.edu/nondegree/).

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates and University Special Students are eligible to complete the Certificate in Educational Policy Studies. Students must complete at least one Educational Policy Studies (ED POL) (https://guide.wisc.edu/courses/ed_pol/) course with a grade of B or better prior to declaring the certificate program. Students intending to complete the Educational Policy Studies Certificate should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

Students pursuing the Educational Policy Studies major, the Certificate in International Development and Education, the Certificate in Global Cultures, Languages, and Education, and/or the Certificate in Social Justice and Education, are not eligible to complete the Educational Policy Studies certificate.

REQUIREMENTS

REQUIREMENTS

The Certificate in Educational Policy Studies requires the following course distribution for a minimum of 12 credits. At least 6 credits must be completed in residence. Completion of the certificate requires a minimum GPA of 2.0 in certificate coursework.

- Complete a minimum of four Educational Policy Studies courses (https://guide.wisc.edu/courses/ed_pol/) (12 credits).
- Students must take at least one of the following courses:

Code	Title	Credits
ED POL 240	Comparative Education	3
ED POL 300	School and Society	3
ED POL/ HISTORY 412	History of American Education	3

- At least two courses must be numbered 300 or above.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate an understanding of the social, cultural, and/or historical contexts of education policy.
2. Examine education policy from multiple theoretical perspectives (e.g., ethical/philosophical, economic/political, etc.).
3. Analyze education policy issues from diverse perspectives related to race, class, and/or gender, and other forms of social difference.

GLOBAL CULTURES, LANGUAGES, AND EDUCATION, CERTIFICATE

The Certificate in Global Cultures, Languages, and Education (GCLE) educates students about global cultural, sociolinguistic, literacy and language policy and planning perspectives.

Students explore key questions about the relationships among cultural diversity, social inequality, and language. Skills are developed to facilitate working globally, within and beyond schools, in the field of culture, communication, and education.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the Certificate in Global Cultures, Languages, and Education. To declare the certificate, students should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

Students pursing the Educational Policy Studies major or the Certificate in Educational Policy Studies are not eligible to complete the Certificate in Global Cultures, Languages, and Education.

REQUIREMENTS

REQUIREMENTS

The Certificate in Global Cultures, Languages, and Education requires the following course distribution for a minimum of 12 credits. At least 6 credits must be completed in residence.

Completion of the certificate requires a minimum GPA of 2.0 in certificate coursework.

LANGUAGE, CULTURE AND SCHOOLING

Select two of the following courses (6 credits):

Code	Title	Credits
ED POL 205	Language and Social Inequality	3
ED POL 240	Comparative Education	3
ED POL/ ANTHRO 570	Anthropology and Education	3

ED POL 595	Language Politics and Education	3
CURRIC 312	Foundations of ESL Education	3

GLOBAL EDUCATION

Select one of the following Global Education courses (3 credits):

Code	Title	Credits
ED POL 112	Global Education through Film	3
ED POL 197	Listening to the Land	3
ED POL/ INTL ST 220	Human Rights and Education	3
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	3
ED POL 245	Education in East Asia	3
ED POL 260	Introduction to International Education Development	3
ED POL/ INTL ST 335	Globalization and Education	3
ED POL 460	Immigration, Education, and Equity	3
ED POL 675	Introduction to Comparative and International Education	3
CURRIC 292	Globalizing Education	3
CURRIC 366	Internationalizing Educational Knowledge	3

GLOBAL STUDIES

Select one of the following courses (3 credits):

Code	Title	Credits
AFRICAN 212	Introduction to African Popular Culture	3
AFRICAN/ FRENCH 216	Modern and Contemporary Francophone Topics	3
AFRICAN/ AFROAMER 220	HipHop, Youth Culture, and Politics in Senegal	3
AFRICAN 230	Introduction to Yoruba Life and Culture	3
AFRICAN 231	Introduction to Arabic Literary Culture	3
AFRICAN 300	African Literature in Translation	3
AFRICAN/ INTL ST 302	Arabic Literature and Cinema	3
AFRICAN 303	African Literature and Visual Culture	3
AFRICAN 304	Soccer in Africa	3
AFRICAN 323	Third Semester Arabic	4
AFRICAN 324	Fourth Semester Arabic	4
AFRICAN 329	Fifth Semester Arabic	3
AFRICAN 330	Sixth Semester Arabic	3
AFRICAN 333	Third Semester Swahili	4
AFRICAN 334	Fourth Semester Swahili	4
AFRICAN 341	Third Semester Summer Arabic	4
AFRICAN 342	Fourth Semester Summer Arabic	4
AFRICAN 343	Fifth Semester Summer Arabic	4
AFRICAN 344	Sixth Semester Summer Arabic	4
AFRICAN 373	Third Semester Yoruba	4
AFRICAN 374	Fourth Semester Yoruba	4
AFRICAN 393	Third Semester-A Language of West Africa	4
AFRICAN 394	Fourth Semester-A Language of West Africa	4
AFRICAN 405	Topics in African Cultural Studies	3
AFRICAN 406	Topics in African Literature	3
AFRICAN 409	Topics in US and Global Black Music Studies	3
AFRICAN 412	Contemporary African Fiction	3
AFRICAN/ AFROAMER 413	Contemporary African and Caribbean Drama	3-4
AFRICAN/ RELIG ST 414	Islam in Africa and the Diaspora	3
AFRICAN 435	Fifth Semester Swahili	3
AFRICAN 436	Sixth Semester Swahili	3
AFRICAN/ FRENCH 440	African/Francophone Film	3
AFRICAN/ PORTUG 451	Lusophone African Literature	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
ANTHRO/ FOLKLORE/ INTL ST/LINGUIS 211	Global Language Issues	3
ANTHRO 237	Cut 'n' Mix: Music, Race, and Culture in the Caribbean	3
ANTHRO/ AFROAMER/ C&E SOC/GEOG/ HISTORY/LACIS/ POLI SCI/SOC/ SPANISH 260	Latin America: An Introduction	3-4
ANTHRO/AFRICAN/ AFROAMER/GEOG/ HISTORY/POLI SCI/ SOC 277	Africa: An Introductory Survey	4
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	3
ANTHRO/ AMER IND 314	Indians of North America	3
ANTHRO 330	Topics in Ethnology	3-4
ANTHRO 340	Music, Race, And Culture in Brazil	3
ANTHRO/ RELIG ST 343	Anthropology of Religion	3-4
ANTHRO 345	Family, Kin and Community in Anthropological Perspective	3
ANTHRO 348	Economic Anthropology	3-4
ANTHRO 350	Political Anthropology	3-4
ANTHRO 357	Introduction to the Anthropology of Japan	3-4
ANTHRO 415	The Anthropological Study of Children & Youth	3
ANTHRO/ LINGUIS 430	Language and Culture	3-4

ANTHRO/ AMER IND/ FOLKLORE/ GEN&WS 437	American Indian Women	3
ANTHRO/ GEN&WS 443	Anthropology by Women	3
ANTHRO 455	Study Abroad: Topics in Cultural Anthropology	1-6
ANTHRO 456	Symbolic Anthropology	3-4
ANTHRO 477	Anthropology, Environment, and Development	3
ANTHRO/ ED POL 570	Anthropology and Education	3
ANTHRO 690	Problems in Anthropology	3-4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 354	Cross-Cultural Arts Around the Atlantic Rim: 1800 to the Present	3-4
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3
ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST/ ASIAN 428	Visual Cultures of India	3
ART HIST 440	Art and Power in the Arab World	3
ASIALANG 201	Third Semester Chinese	4
ASIALANG 202	Fourth Semester Chinese	4
ASIALANG 203	Third Semester Japanese	4
ASIALANG 204	Fourth Semester Japanese	4
ASIALANG 205	Third Semester Korean	4
ASIALANG 206	Fourth Semester Korean	4
ASIALANG 221	Third Semester Asian Language	4
ASIALANG 222	Fourth Semester Asian Language	4
ASIALANG 223	Third Semester Filipino	4
ASIALANG 224	Fourth Semester Filipino	4
ASIALANG 225	Third Semester Hmong	4
ASIALANG 226	Fourth Semester Hmong	4
ASIALANG 227	Third Semester Indonesian	4
ASIALANG 228	Fourth Semester Indonesian	4
ASIALANG 229	Third Semester Thai	4
ASIALANG 230	Fourth Semester Thai	4
ASIALANG 231	Third Semester Vietnamese	4
ASIALANG 232	Fourth Semester Vietnamese	4
ASIALANG 233	Third Semester Hindi	4
ASIALANG 234	Fourth Semester Hindi	4
ASIALANG 235	Third Semester Modern Tibetan	4
ASIALANG 236	Fourth Semester Modern Tibetan	4
ASIALANG 237	Third Semester Persian	4
ASIALANG 238	Fourth Semester Persian	4
ASIALANG 239	Third Semester Urdu	4
ASIALANG 240	Fourth Semester Urdu	4
ASIALANG 241	Third Semester Sanskrit	3-4
ASIALANG 242	Fourth Semester Sanskrit	3-4
ASIALANG 311	First Semester Classical Chinese	3
ASIALANG 312	Second Semester Classical Chinese	3
ASIALANG 313	Classical Japanese	3
ASIAN/ RELIG ST 218	Health and Healing in South Asia	3-4
ASIAN/ RELIG ST 236	Asia Enchanted: Ghosts, Gods, and Monsters	3
ASIAN 253	Japanese Popular Culture	3
ASIAN/HISTORY/ POLI SCI 255	Introduction to East Asian Civilizations	3-4
ASIAN 268	Tibetan Cultures and Traditions	3
ASIAN/ RELIG ST 274	Religion in South Asia	3
ASIAN 300	Topics in Asian Studies	3
ASIAN 301	Social Science Topics in Asian Studies	3
ASIAN/ RELIG ST 306	Hinduism	3
ASIAN/ RELIG ST 307	A Survey of Tibetan Buddhism	3
ASIAN 311	Modern Indian Literatures	3
ASIAN 351	Survey of Classical Chinese Literature	3
ASIAN 352	Survey of Modern Chinese Literature	3
ASIAN 353	Lovers, Warriors and Monks: Survey of Japanese Literature	3
ASIAN 354	Early Modern Japanese Literature	3
ASIAN 355	Modern Japanese Literature	3
ASIAN 357	Japanese Ghost Stories	3
ASIAN 358	Language in Japanese Society	3
ASIAN 361	Love and Politics: The Tale of Genji	3
ASIAN 367	Haiku	3
ASIAN 371	Topics in Chinese Literature	2-3
ASIAN 376	Manga	3
ASIAN 378	Anime	3
ASIAN 403	Southeast Asian Literature	3
ASIAN/ RELIG ST 405	Gods and Goddesses of South Asia	3
ASIAN/ RELIG ST 430	Indian Traditions in the Modern Age	3
ASIAN 432	Introduction to Chinese Linguistics	3
ASIAN 433	Topics in East Asian Visual Cultures	3
ASIAN 434	Introduction to Japanese Linguistics	3
ASIAN/ RELIG ST 460	The History of Yoga	3
ASIAN/ RELIG ST 466	Buddhist Thought	3

ASIAN/ RELIG ST 473	Meditation in Indian Buddhism and Hinduism	3
FOLKLORE 100	Introduction to Folklore	3
FOLKLORE/ AFROAMER/ AMER IND/ ASIAN AM/ CHICLA 102	Introduction to Comparative US Ethnic and American Indian Studies	3
FOLKLORE/ MUSIC 103	Introduction to Music Cultures of the World	3
FOLKLORE/ RELIG ST 104	Sacred Places and Journeys	3
FOLKLORE/ GNS 200	Folklore of Central, Eastern and Northern Europe	3
FOLKLORE/ AFRICAN 210	The African Storyteller	3
FOLKLORE/ ANTHRO/INTL ST/ LINGUIS 211	Global Language Issues	3
FOLKLORE 215	Elementary Topics in Folklore	1-3
FOLKLORE 220	The Folk Tale	3
FOLKLORE/ MEDIEVAL/ SCAND ST 235	The World of Sagas	3
FOLKLORE 315	Intermediate Topics in Folklore	1-3
FOLKLORE 317	The Irish Tradition	3
FOLKLORE/ RELIG ST 326	The Supernatural in the Modern World	3
FOLKLORE/ LITTRANS 327	Vampires	3
FOLKLORE/ MEDIEVAL/ RELIG ST/ SCAND ST 342	Nordic Mythology	3
FOLKLORE/ LITTRANS/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	3
FOLKLORE/ LITTRANS 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
FOLKLORE/ RELIG ST 352	Shamanism	3
FOLKLORE 415	Advanced Topics in Folklore	1-3
FOLKLORE/ GEN&WS 428	Gender and Expressive Culture	3
FOLKLORE/ AMER IND/ ANTHRO/ GEN&WS 437	American Indian Women	3
FOLKLORE 439	Foodways	3
FOLKLORE/ SCAND ST 443	Sami Culture, Yesterday and Today	4
FOLKLORE/ SLAVIC 444	Slavic and East European Folklore	3
FOLKLORE/ MEDIEVAL/ SCAND ST 446	Celtic-Scandinavian Cultural Interrelations	3
FOLKLORE 460	Folk Epics	3
FOLKLORE/ MUSIC 515	Proseminar in Ethnomusicology	3
FOLKLORE/ MUSIC 516	Ethnographic Methods for Music and Sound	3
FOLKLORE 530	Topics in Folklore	1-3
FRENCH 203	Third Semester French	4
FRENCH 204	Fourth Semester French	4
FRENCH 228	Intermediate Language and Culture	3-4
FRENCH 271	Literature, Comics, and Film in French	3-4
FRENCH 311	Advanced Composition and Speaking	3
FRENCH 312	Advanced Writing Workshop	3
FRENCH/ INTL BUS 313	Professional Communication and Culture in the Francophone World	3
FRENCH/ INTL BUS 314	Contemporary Issues in Business, Government and NGOs	3
FRENCH 321	Medieval and Early Modern French Literature	3
FRENCH 322	Modern French and Francophone Literature	3
FRENCH 325	Visual Culture in French/ Francophone Studies	3
FRENCH 347	Medieval and Early Modern Culture	3
FRENCH 348	Modernity Studies	3
FRENCH 350	Applied French Language Studies	1-3
GERMAN 203	Third Semester German	4
GERMAN 204	Fourth Semester German	4
GERMAN 213	Third Semester Dutch	4
GERMAN 214	Fourth Semester Dutch	4
GERMAN 245	Topics in Dutch Life and Culture	3
GERMAN 249	Intermediate German - Speaking and Listening	3
GERMAN 258	Intermediate German-Reading	3
GERMAN 262	Intermediate German-Writing	3
GERMAN 264	Culture in 20th Century Berlin	3
GERMAN 266	Topics in German and/or Yiddish Culture	3
GERMAN 267	Yiddish Song and the Jewish Experience	3-4
GERMAN/JEWISH/ LITTRANS 269	Yiddish Literature and Culture in Europe	3
GERMAN 272	Nazi Culture	3
GERMAN 275	Kafka and the Kafkaesque	3
GERMAN/ LITTRANS 276	Special Topics in German and World Literature/s	3
GERMAN 278	Topics in German Culture	3
GERMAN/JEWISH/ LITTRANS 279	Yiddish Literature and Culture in America	3
GERMAN 285	Intermediate Intensive (Honors) German: Language, Culture, Texts	6
GERMAN 305	Literatur des 20. und 21. Jahrhunderts	3-4
GERMAN 325	Topics in Dutch Literature	3

GERMAN 337	Advanced Composition & Conversation	3-4
GERMAN 351	Introduction to German Linguistics	3-4
GERMAN 352	Topics in German Linguistics	3-4
GERMAN 362	Topics in German Literature	3-4
GERMAN 372	Topics in German Culture	3-4
GERMAN 385	Honors Seminar in German Literature	3
GERMAN 411	Kultur des 20. und 21. Jahrhunderts	3-4
GERMAN/ JEWISH 510	German-Jewish Culture Since the 18th Century	3
GERMAN 560	Topics in German Studies	3
GERMAN 612	German Literary Movements Since 1750	3
GERMAN 625	Letterkunde der Lage Landen	3-4
GERMAN 645	Cultuurkunde der Lage Landen	3-4
GERMAN 650	History of the German Language	3
GERMAN/ MEDIEVAL 651	Introduction to Middle High German	3
GERMAN 676	Advanced Seminar in German Studies	3
GERMAN 683	Senior Honors Seminar in German Literature	3
GNS/ FOLKLORE 200	Folklore of Central, Eastern and Northern Europe	3
GNS/ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
GNS/HISTORY 265	An Introduction to Central Asia: From the Silk Route to Afghanistan	3
GNS 270	Introductory Topics in GNS	3
GNS 324	Literatures of Central Asia	3
GNS 370	Topics in GNS (Intermediate)	3
GNS 375	Philosophy, Theory, Criticism	3
GNS 431	Third Semester Kazakh	4
GNS 432	Fourth Semester Kazakh	4
GNS 439	Third Semester Turkish	4
GNS 440	Fourth Semester Turkish	4
GNS 451	Third Semester Central Eurasian Language	4
GNS 452	Fourth Semester Central Eurasian Language	4
GNS 460	Readings in Turkish: Contemporary Turkey through Literature and Media	4
GNS 471	Advanced Topics in East European and Central Asian Languages and Cultures	1-4
GNS 531	Fifth Semester Kazakh	3-4
GNS 532	Sixth Semester Kazakh	3-4
GNS 539	Fifth Semester Turkish and Azeri	3-4
GNS 540	Sixth Semester Turkish and Azeri	3-4
GNS 551	Fifth Semester Central Eurasian Language	4
GNS 552	Sixth Semester Central Eurasian Language	4
GNS 624	Proseminar in Central Asian History	3
INTL ST 101	Introduction to International Studies	3-4
INTL ST/ANTHRO/ FOLKLORE/ LINGUIS 211	Global Language Issues	3
INTL ST/HISTORY/ LACIS 242	Modern Latin America	3-4
INTL ST 266	Introduction to the Middle East	3
INTL ST/ AFRICAN 302	Arabic Literature and Cinema	3
INTL ST 310	International Learning Community Seminar	1-3
INTL ST/GEOG 311	The Global Game: Soccer, Politics, and Identity	3
INTL ST/GEOG 315	Universal Basic Income: The Politics Behind a Global Movement	3
INTL ST 320	Contemporary Issues in International Studies	1-4
INTL ST/ POLI SCI 325	Social Movements and Revolutions in Latin America	3-4
INTL ST/ HISTORY 330	Global History of Humanitarianism	3-4
INTL ST/ HISTORY 332	East Asia & The U.S. Since 1899	3-4
INTL ST/ ED POL 335	Globalization and Education	3
INTL ST/ HISTORY 366	From Fascism to Today: Social Movements and Politics in Europe	3-4
INTL ST/A A E 373	Globalization, Poverty and Development	3
INTL ST/A A E 374	The Growth and Development of Nations in the Global Economy	3
INTL ST 401	Topics in Global Security	3-4
INTL ST 402	Topics in Politics and Policy in the Global Economy	3-4
INTL ST 403	Topics in Culture in the Age of Globalization	3-4
INTL ST/ POLI SCI 431	Contentious Politics	3-4
INTL ST/ POLI SCI 434	The Politics of Human Rights	3-4
INTL ST/ POLI SCI 439	The Comparative Study of Genocide	3-4
INTL ST 501	Study Abroad Topics in Global Security	1-6
INTL ST 502	Study Abroad Topics in Politics and Policy in the Global Economy	1-6
INTL ST 503	Study Abroad Topics in Culture in the Age of Globalization	1-6
INTL ST 504	Study Abroad Topics in Global Environment	1-6
INTL ST 520	Study Abroad Topics in International Studies	1-6
INTL ST 523	International Internship	1-3
INTL ST/ GEN&WS 535	Women's Global Health and Human Rights	3
INTL ST 601	Topics in Global Security	1-4

INTL ST 602	Topics in Politics and Policy in the Global Economy	1-4
INTL ST 603	Topics in Culture in the Age of Globalization	1-4
INTL ST 620	Topics in International Studies	1-4
ITALIAN 203	Third Semester Italian	4
ITALIAN 204	Fourth Semester Italian	4
ITALIAN 205	Accelerated Intermediate Italian	4
ITALIAN 230	Modern Italian Culture	3
ITALIAN 311	Advanced Italian Language	3
ITALIAN 312	Writing Workshop	3
ITALIAN 321	Studies in Italian Literature and Culture I	3
ITALIAN 322	Studies in Italian Literature and Culture II	3
ITALIAN 340	Structures of Italian	3
ITALIAN/ILS 350	Rome: Lust for Glory	3-4
ITALIAN/ILS/ LITTRANS/ POLI SCI 365	Machiavelli and His World	3
ITALIAN/MEDIEVAL/ RELIG ST 440	Poverty, Ecology and the Arts: St. Francis of Assisi	3
LINGUIS 101	Human Language	3
LITTRANS 201	Survey of 19th and 20th Century Russian Literature in Translation I	3
LITTRANS 202	Survey of 19th and 20th Century Russian Literature in Translation II	3
LITTRANS 203	Survey of 19th and 20th Century Russian Literature in Translation I	4
LITTRANS 204	Survey of 19th and 20th Century Russian Literature in Translation II	4
LITTRANS/ GEN&WS 205	Women in Russian Literature in Translation	3-4
LITTRANS 207	Slavic Science Fiction through Literature and Film	3
LITTRANS 208	The Writings of Vaclav Havel: Crtitique of Modern Society	3
LITTRANS 209	Masterpieces of French Literature and Culture	3-4
LITTRANS 213	Love and Sex in Italian Comedy	3-4
LITTRANS/ SLAVIC 215	Love and Death: Introduction to Polish Literature & Culture	3
LITTRANS 218	Polish Literature in Translation: Late 19th and 20th Centuries	3
LITTRANS 220	Chekhov: The Drama of Modern Life	3
LITTRANS 221	Russia's Greatest Enigma: Nikolai Gogol	3
LITTRANS 222	Dostoevsky in Translation	3-4
LITTRANS/ ENGL 223	Vladimir Nabokov: Russian and American Writings	3
LITTRANS 224	Tolstoy in Translation	3-4
LITTRANS 226	Introduction to Luso-Afro-Brazilian Literature	3
LITTRANS 231	Manga	3
LITTRANS 232	Anime	3
LITTRANS 233	Russian Life and Culture Through Literature and Art (to 1917)	3-4
LITTRANS 234	Soviet Life and Culture Through Literature and Art (from 1917)	3-4
LITTRANS/ SLAVIC 238	Literature and Revolution	3
LITTRANS 241	Literatures and Cultures of Eastern Europe	3
LITTRANS 245	Topics in Spanish American Literature in Translation	3
LITTRANS 247	Topics in Slavic Literatures in Translation	3
LITTRANS 249	Literature in Translation: Nineteenth-Century French Masterpieces	3
LITTRANS 252	Spanish Literary Masterpieces in Translation	3
LITTRANS/ MEDIEVAL/ RELIG ST 253	Of Demons and Angels. Dante's Divine Comedy	3
LITTRANS 254	In Translation: Lit of Modern Italy-Existentialism, Fascism, Resistance	3
LITTRANS/ MEDIEVAL 255	Black Death and Medieval Life Through Boccaccio's Decameron	3
LITTRANS 260	Italy and the Invention of America: from Columbus to World War II	3
LITTRANS 261	Survey of Chinese Literature in Translation	3
LITTRANS 263	Survey of Japanese Literature in Translation	3
LITTRANS 264	Survey of Japanese Literature in Translation	3
LITTRANS/ SLAVIC 266	Elementary Special Topics in Russian Literature & Culture	1-3
LITTRANS/ GERMAN/ JEWISH 269	Yiddish Literature and Culture in Europe	3
LITTRANS/ GEN&WS 270	German Women Writers in Translation	3
LITTRANS 271	In Translation:Masterpieces of Scandinavian Literature, Middle Ages-1900	3-4
LITTRANS 274	In Translation: Masterpieces of Scandinavian Literature-the 20th Century	3-4
LITTRANS 275	In Translation: The Tales of Hans Christian Andersen	3-4
LITTRANS/ GERMAN 276	Special Topics in German and World Literature/s	3
LITTRANS 277	Topics in Twentieth-Century German Literature (in Translation)	3
LITTRANS/ GERMAN/ JEWISH 279	Yiddish Literature and Culture in America	3
LITTRANS 302	What is Life? Biological Life in Literature and Culture	3-4

LITTRANS 303	Topics in French Literature and Culture	3-4
LITTRANS 324	Topics in Scandinavian Literature	3-4
LITTRANS 326	Topics in Dutch Literature in Translation	3
LITTRANS/ FOLKLORE 327	Vampires	3
LITTRANS 334	In Translation: The Art of Isak Dinesen/Karen Blixen	3-4
LITTRANS/ THEATRE 335	In Translation: The Drama of Henrik Ibsen	3-4
LITTRANS/ THEATRE 336	In Translation: The Drama of August Strindberg	3-4
LITTRANS 337	In Translation: 19th Century Scandinavian Fiction	3-4
LITTRANS/ FOLKLORE/ MEDIEVAL/ SCAND ST 345	The Nordic Storyteller	3
LITTRANS/ FOLKLORE 347	In Translation: Kalevala and Finnish Folk-Lore	3-4
LITTRANS 350	Scandinavian Decadence in its European Context	3-4
LITTRANS/ SLAVIC 357	Intermediate Special Topics in Slavic Languages and Literatures	3
LITTRANS 360	French and Italian Renaissance Literature Online	3-4
LITTRANS/ SLAVIC 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
LITTRANS/ ILS/ITALIAN/ POLI SCI 365	Machiavelli and His World	3
LITTRANS/ SLAVIC 366	Intermediate Special Topics in Russian Literature & Culture	3
LITTRANS 410	In Translation: Special Topics in Italian Literature	3
LITTRANS/ THEATRE 423	In Translation: Slavic Drama in Context	3
LITTRANS/ SCAND ST 428	Memory and Literature from Proust to Knausgard	3
LITTRANS/ SCAND ST 435	The Sagas of Icelanders in English Translation	3
LITTRANS/ GEN&WS/ SCAND ST 438	Sexual Politics in Scandinavia	3
LITTRANS/ SLAVIC 467	Advanced Special Topics in Slavic Languages and Literatures	3
LITTRANS 471	Polish Literature (in Translation), Middle Ages to 1863	3
LITTRANS 473	Polish Literature (in Translation) since 1863	3
PORTUG 201	Third Semester Portuguese	4
PORTUG 202	Fourth Semester Portuguese	4
PORTUG 221	Introduction to Luso-Brazilian Literatures	4
PORTUG 225	Third Year Conversation and Composition	3
PORTUG 226	Third Year Conversation and Composition	3
PORTUG 301	Intensive Portuguese	4
PORTUG 311	Fourth Year Composition and Conversation	3
PORTUG 312	Fourth Year Composition and Conversation	3
PORTUG 330	History of the Portuguese Language	3
PORTUG 361	Portuguese Civilization	3
PORTUG 362	Brazilian Civilization	3
PORTUG 411	Survey of Portuguese Literature before 1825	3
PORTUG/ GEN&WS 450	Brazillian Women Writers	3
PORTUG/ AFRICAN 451	Lusophone African Literature	3
PORTUG/ GEN&WS 460	Carmen Miranda	3
PORTUG 467	Survey of Portuguese Literature since 1825	3
PORTUG 468	Survey of Brazilian Literature since 1890	3
PORTUG 640	Topics in Luso-Brazilian Literature	3
PORTUG 642	Topics in Luso-Brazilian Culture	3
SCAND ST 201	Second Year Norwegian	4
SCAND ST 202	Second Year Norwegian	4
SCAND ST 211	Second Year Swedish	4
SCAND ST 212	Second Year Swedish	4
SCAND ST 221	Second Year Danish	4
SCAND ST 222	Second Year Danish	4
SCAND ST 250	Introduction to Scandinavia	3
SCAND ST 251	Readings in Norwegian Literature	3-4
SCAND ST 261	Readings in Swedish Literature	3-4
SCAND ST 271	Readings in Danish Literature	3-4
SCAND ST 276	Culture & Community in Scandinavia	3
SCAND ST/ FOLKLORE/ MEDIEVAL/ RELIG ST 342	Nordic Mythology	3
SCAND ST/ FOLKLORE/ LITTRANS/ MEDIEVAL 345	The Nordic Storyteller	3
SCAND ST 348	The Second World War in Nordic Culture	3
SCAND ST 355	Autobiography	3
SCAND ST 373	Masterpieces of Scandinavian Literature: From the Middle Ages to 1900	3-4
SCAND ST 374	Masterpieces of Scandinavian Literature: the Twentieth Century	3-4
SCAND ST 401	Contemporary Scandinavian Languages	3

SCAND ST 410	Introduction to Scandinavian Linguistics	3
SCAND ST 411	Areas in Scandinavian Literature	1
SCAND ST 415	History of the Scandinavian Languages II: Standard Languages	3
SCAND ST 419	Scandinavian Children's Literature	4
SCAND ST 421	Advanced Topics in Nordic Studies	1-3
SCAND ST 422	The Drama of Henrik Ibsen	4
SCAND ST 424	Nineteenth-Century Scandinavian Fiction	3-4
SCAND ST 426	Kierkegaard and Scandinavian Literature	3
SCAND ST 427	Contemporary Scandinavian Literature	4
SCAND ST/ LITTRANS 428	Memory and Literature from Proust to Knausgard	3
SCAND ST/ MEDIEVAL 430	The Vikings	4
SCAND ST/ HISTORY 431	History of Scandinavia to 1815	3
SCAND ST/ HISTORY 432	History of Scandinavia Since 1815	3
SCAND ST 434	The Art of Isak Dinesen/Karen Blixen	4
SCAND ST/ LITTRANS 435	The Sagas of Icelanders in English Translation	3
SCAND ST 436	Topics in Scandinavian Literature	3-4
SCAND ST/ GEN&WS/ LITTRANS 438	Sexual Politics in Scandinavia	3
SCAND ST 439	Nordic Filmmakers	3
SCAND ST/ FOLKLORE 443	Sami Culture, Yesterday and Today	4
SCAND ST/ MEDIEVAL 444	Kalevala and Finnish Folk-Lore	4
SCAND ST/ FOLKLORE/ MEDIEVAL 446	Celtic-Scandinavian Cultural Interrelations	3
SCAND ST 450	Scandinavian Decadence in its European Context	3-4
SCAND ST 475	The Writings of Hans Christian Andersen for Scandinavian Majors	4
SCAND ST 476	Scandinavian Life and Civilization II	4
SCAND ST 510	Topics in Scandinavian Linguistics	3
SCAND ST 511	Paleography and Philology - Old Norse	3
SCAND ST 520	Special Topics	3
SCAND ST/ HISTORY 577	Contemporary Scandinavia: Politics and History	3-4
SCAND ST 634	Survey of Scandinavian Literature: 1500-1800	3
SCAND ST 635	Survey of Scandinavian Literature: 1800-1890	3
SLAVIC 117	Intensive Second Year Russian	4
SLAVIC 118	Intensive Second Year Russian	4
SLAVIC 203	Third Semester Russian	4
SLAVIC 204	Fourth Semester Russian	4
SLAVIC 207	Third Semester Polish	4
SLAVIC 208	Fourth Semester Polish	4
SLAVIC 217	Third Semester Czech	4
SLAVIC 218	Fourth Semester Czech	4
SLAVIC 231	History and Ethics on Film: Polish Cinema	3
SLAVIC/ LITTRANS 238	Literature and Revolution	3
SLAVIC 239	Performance and Power	3
SLAVIC 242	Literatures and Cultures of Eastern Europe	3
SLAVIC 245	Topics in Slavic Literatures	3
SLAVIC 251	Third Semester Serbo-Croatian	3
SLAVIC 252	Fourth Semester Serbo-Croatian	3
SLAVIC/GEOG/ HISTORY/ POLI SCI 253	Russia: An Interdisciplinary Survey	4
SLAVIC/GEOG/ HISTORY/ POLI SCI 254	Eastern Europe: An Interdisciplinary Survey	4
SLAVIC/ LITTRANS 266	Elementary Special Topics in Russian Literature & Culture	1-3
SLAVIC 275	Third Year Russian I	3
SLAVIC 276	Third Year Russian II	3
SLAVIC 277	Third Year Polish I	3
SLAVIC 278	Third Year Polish II	3
SLAVIC 285	Slavic Culture in Context: An Honors Course	3
SLAVIC 304	Fourth Semester Intensive Polish	4
SLAVIC 305	Fifth Semester Intensive Polish	3
SLAVIC 306	Sixth Semester Intensive Polish	3
SLAVIC 308	Polish Culture and Area Studies on Study Abroad	1-4
SLAVIC 309	Russian Area Studies on Study Abroad	1-4
SLAVIC 310	Topics in Russian: Study Abroad	1-6
SLAVIC 315	Russian Language and Culture I	3
SLAVIC 316	Russian Language and Culture II	3
SLAVIC 321	Fourth Year Russian I	3
SLAVIC 322	Fourth Year Russian II	3
SLAVIC 331	Fourth Year Polish I	3
SLAVIC 332	Fourth Year Polish II	3
SLAVIC/ LITTRANS 357	Intermediate Special Topics in Slavic Languages and Literatures	3
SLAVIC/ LITTRANS 361	Living at the End of Times: Contemporary Polish Literature and Culture	3
SLAVIC/ LITTRANS 366	Intermediate Special Topics in Russian Literature & Culture	3
SLAVIC 433	History of Russian Culture	3
SLAVIC 434	Contemporary Russian Culture	3
SLAVIC/ FOLKLORE 444	Slavic and East European Folklore	3
SLAVIC 451	Third Semester Intensive Czech	3
SLAVIC 452	Fourth Semester Intensive Czech	3

SLAVIC 465	Advanced Readings in Russian Literature & Culture	3
SLAVIC/ LITTRANS 467	Advanced Special Topics in Slavic Languages and Literatures	3
SLAVIC 470	History of Polish Literature until 1863	3
SLAVIC 472	History of Polish Literature after 1863	3
SLAVIC 555	Advanced Russian Listening & Speaking	3
SLAVIC 560	Capstone Seminar in Russian Literature and Culture	3
SPANISH 203	Third Semester Spanish	4
SPANISH 204	Fourth Semester Spanish	4
SPANISH 223	Introduction to Hispanic Cultures	3
SPANISH 224	Introduction to Hispanic Literatures	3
SPANISH 225	Lying, Swearing, and Breaking the Rules: An Introduction to the Linguistic Study of Spanish	3
SPANISH 226	Intermediate Language Practice with Emphasis on Writing and Grammar	3
SPANISH/ AFROAMER/ ANTHRO/C&E SOC/ GEOG/HISTORY/ LACIS/POLI SCI/ SOC 260	Latin America: An Introduction	3-4
SPANISH/ LACIS 285	Race and Culture in the Americas	3
SPANISH 311	Advanced Language Practice	3
SPANISH 319	Topics in Spanish Language Practice	1-3
SPANISH 321	The Structure of Modern Spanish	3
SPANISH 322	Survey of Early Hispanic Literature	3
SPANISH 324	Survey of Modern Spanish Literature	3
SPANISH 325	Advanced Conversation	3
SPANISH 326	Survey of Spanish American Literature	3
SPANISH 327	Introduction to Spanish Linguistics	3
SPANISH 361	Spanish Civilization	3
SPANISH 363	Spanish American Civilization	3
SPANISH/ CHICLA 364	Survey of Latinx/e Popular Culture	3
SPANISH/ MEDIEVAL 414	Literature of the Castilian Middle Age (XII-XV centuries)	3
SPANISH 435	Cervantes	3
SPANISH 451	Literature of the Eighteenth and Nineteenth Centuries	3
SPANISH 453	Literature of the Twentieth Century	3
SPANISH 460	Spanish American Literature	3
SPANISH 468	Topics in Hispanic Culture	3
SPANISH 470	Undergraduate Seminars in Hispanic Literature/Culture/Linguistics	3
SPANISH 472	Hispanic Screen Studies	3
SPANISH 477	Latin American Rock Cultures	3
SPANISH/ CHICLA 478	Border and Race Studies in Latin America	3
SPANISH 479	Latin American Literature and Human Rights	3
SPANISH 480	Topics in Latin American Performance/Visual Studies	3
SPANISH 490	Race, Religion and Ethnicity in the Age of Empire	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate an understanding of the social, cultural, and historical contexts of global language policy and linguistic and cultural practices.
2. Reflect on one's own position and the positions of others in global political, social, and institutional structures and the possibilities for growth and change for oneself and others.
3. Analyze information about culture and communication from diverse perspectives.
4. Formulate arguments on global topics in language, culture, and education using academic literature and theoretical frameworks, identifying and integrating diverse sources of information.
5. Collaborate and communicate ideas, reflections, and research effectively with people from a range of perspectives, cultures, and backgrounds.
6. Use practice to inform theory and research and theory and research to reflect on and modify practice.

INTERNATIONAL DEVELOPMENT AND EDUCATION, CERTIFICATE

The Certificate in International Development and Education cultivates global education leaders who understand the complex issues that shape international education and are prepared to engage in transforming policy and practice.

Students will explore a range of topics such as: poverty, inequity, sustainability, human rights, and governance; engage in self-reflection about the roles they might play in international development efforts; and learn about international education innovations.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the Certificate in International Development and Education. Students intending to complete this certificate should visit the School of

Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

Students pursuing the Educational Policy Studies major or the Certificate in Educational Policy Studies are not eligible to complete the Certificate in International Development and Education.

REQUIREMENTS

REQUIREMENTS

The Certificate in International Development and Education requires the following course distribution for a minimum of 12 credits. At least 6 credits must be completed in residence.

Completion of the certificate requires a minimum GPA of 2. 0 in certificate coursework.

CORE COURSE

This course (3 credits) provides a foundational overview of the field of International Development Education and should be taken as early as possible.

Code	Title	Credits
ED POL 260	Introduction to International Education Development	3

EDUCATION POLICY GLOBAL EDUCATION AND DEVELOPMENT ELECTIVES

Select two courses from the following options (6 credits). These topical courses allow students to explore a key theme (e.g., human rights, climate change, poverty and inequality, health) in International Development Education in greater depth, or to deepen their understanding of the field of International and Comparative Education.

Code	Title	Credits
ED POL 112	Global Education through Film	3
ED POL/ INTL ST 220	Human Rights and Education	3
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	3
ED POL 245	Education in East Asia	3
ED POL 320	Climate Change, Sustainability, and Education	3
ED POL/ INTL ST 335	Globalization and Education	3
ED POL 423	Education for Global Change	3
ED POL 460	Immigration, Education, and Equity	3
ED POL/ ANTHRO 570	Anthropology and Education	3
ED POL 675	Introduction to Comparative and International Education	3

CAMPUS-WIDE INTERNATIONAL DEVELOPMENT AND EDUCATION ELECTIVE

Select one course from the following options (3 credits). These topical courses allow students to explore how key disciplines and fields of study across the campus engage with International Development:

Code	Title	Credits
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
A A E/ECON/ INTL BUS 462	Latin American Economic Development	3
A A E/ECON 473	Economic Growth and Development in Southeast Asia	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
ANTHRO 477	Anthropology, Environment, and Development	3
C&E SOC/ENVIR ST/ SOC 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC/ URB R PL 617	Community Development	3
C&E SOC/SOC 630	Sociology of Developing Societies/ Third World	3
GEOG 307	International Migration, Health, and Human Rights	3
GEOG/INTL ST 315	Universal Basic Income: The Politics Behind a Global Movement	3
GEOG/ ENVIR ST 337	Nature, Power and Society	3
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
HISTORY/ INTL ST 330	Global History of Humanitarianism	3-4
HISTORY 434	American Foreign Relations, 1901 to the Present	3-4
HISTORY/ CHICLA 435	Colony, Nation, and Minority: The Puerto Ricans' World	3
HISTORY 607	The American Impact Abroad: The Historical Dimension	3
INTL ST 101	Introduction to International Studies	3-4
INTL ST/GEOG 315	Universal Basic Income: The Politics Behind a Global Movement	3
INTL ST/ HISTORY 330	Global History of Humanitarianism	3-4
INTL ST/A A E 373	Globalization, Poverty and Development	3
INTL ST 401	Topics in Global Security	3-4
INTL ST 402	Topics in Politics and Policy in the Global Economy	3-4
INTL ST 403	Topics in Culture in the Age of Globalization	3-4
INTL ST/ POLI SCI 431	Contentious Politics	3-4

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate an understanding of the global contexts of colonialism, US post-war imperialism, bi-/multi-lateralism, and capitalism that shape the international development and international education fields, as well as key debates and trends in the field.
2. Reflect on experiences, resources, and national positions and the positions of others engaged in the field of international development education; recognize the consequences of this positionality on one's own understanding of the concepts of human development and wellbeing and of the desire to improve and develop other places and people; and critically examine possibilities for growth and change.
3. Analyze information about international development and education (as theory and as practice) from diverse disciplinary, methodological, and epistemological perspectives.
4. Evaluate multiple theories of change and effectively apply appropriate theories of change to key international development problems.
5. Formulate arguments on topics in international development and education by evaluating and then drawing from academic and practitioner literatures, and identifying and integrating diverse sources of information.
6. Communicate ideas, reflections, and research on international development and education effectively to people from a range of perspectives, cultures, backgrounds, and roles in the field of international development (e.g., policymakers, program officers, community members, Peace Corps volunteers, Fulbright, etc.).

SOCIAL JUSTICE AND EDUCATION, CERTIFICATE

The Certificate in Social Justice and Education examines equity in educational policy and practice. Students gain a foundational understanding of the social inequities that shape education and broader society. Students also learn how educators, students, administrators, parents, and community members have effectively responded to these inequities.

This certificate prepares UW–Madison students to critically analyze the role education policies and practices play in broader social inequalities and social justice efforts. Students connect course concepts to their own lives as well as to historical and contemporary social and educational issues in the U.S. and/or globally.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the Certificate in Social Justice and Education. Students intending to complete this certificate should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

Students pursuing the Educational Policy Studies major or the Certificate in Educational Policy Studies are not eligible to complete the Certificate in Social Justice and Education.

REQUIREMENTS

REQUIREMENTS

The Certificate in Social Justice and Education requires the following course distribution for a minimum of 12 credits. At least 6 credits must be completed in residence. Completion of the certificate requires a minimum GPA of 2. 0 in certificate coursework.

REQUIRED COURSE

This course provides students with foundational knowledge about social justice in education that they can build from and connect to their other coursework and assignments as part of the certificate.

Code	Title	Credits
ED POL 212	Education for Social Justice	3

ELECTIVE COURSES

Select three additional courses that have a central focus on social justice in education. Two of the three must be in ED POL coursework. These courses meet most or all of the certificate's Learning Outcomes, and enable students to tailor the certificate to their specific topical and disciplinary areas of interest (e.g. historical perspectives on social justice and education, social justice and education in the U.S., comparative/global studies of social justice and education).

Code	Title	Credits
ED POL 197	Listening to the Land	3
CURRIC 240	Critical Aspects of Teaching, Schooling, and Education	3
CURRIC/ CHICLA 321	Chicano/Latino Educational Justice	3
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
CURRIC/ RP & SE 406	Race, Intersectionality, and Equity in Education	3
ED POL/ HISTORY 143	History of Race and Inequality in Urban America	3
ED POL 145	Introduction to Education Policy	3
ED POL/ GEN&WS 160	Gender, Sexuality, and Education Policy	3
ED POL 180	Education and White Supremacy	3
ED POL 200	Race, Ethnicity, and Inequality in American Education	3
ED POL 205	Language and Social Inequality	3
ED POL 210	Youth, Education, and Society	3
ED POL/ INTL ST 220	Human Rights and Education	3
ED POL 237	Wealth, Poverty and Inequality: Transnational Perspectives on Policy and Practice in Education	3

ED POL 240	Comparative Education	3
ED POL/CURRIC/ LEGAL ST 250	Incarceration and Education	3
ED POL 300	School and Society	3
ED POL/ HISTORY 412	History of American Education	3
ED POL 423	Education for Global Change	3
ED POL 435	Education in Emergencies	3
ED POL 460	Immigration, Education, and Equity	3
ED POL 505	Issues in Urban Education in the U.S.	3
ED POL 510	Urban School Policy	3
ED POL/CURRIC/ HISTORY/ JEWISH 515	Holocaust: History, Memory and Education	3
ED POL/ GEN&WS 560	Gender and Education	3
ED POL/ AFROAMER 567	History of African American Education	3
ED POL/ ANTHRO 570	Anthropology and Education	3
ED POL 575	Education Policy and Practice	3
ED POL 595	Language Politics and Education	3
ED POL/ HISTORY 612	History of Student Activism from the Popular Front to Black Lives Matter	3
RP & SE 100	Disability and Society	3
RP & SE 300	Individuals with Disabilities	3
RP & SE 466	Diversity in Special Education	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate an understanding of how education, and education policy and practice specifically, has been used as a tool for both social justice and the (re)production of inequality in the United States and/or globally.
2. Identify and describe the social inequities that shape education and broader society, as well as how various social actors (e.g. educators, students, administrators, parents, and community members) have responded to these inequities through their social justice efforts.
3. Draw from theory and research to analyze issues of social justice in education.
4. Demonstrate an ability to apply critical thinking skills to the study of inequities in education, by recognizing and questioning knowledge claims and their own assumptions and preconceived notions.

EDUCATIONAL PSYCHOLOGY

Although the department does not offer an undergraduate major, students from across the campus may take undergraduate courses from this highly-ranked department. Courses are offered in each of the main content areas: human development, learning sciences, and quantitative methods. The department also offers courses required of teacher education programs.

The Education and Educational Services (p. 1652) certificate may be completed by undergraduate students from across the campus. This certificate provides a cohesive set of courses for students interested in the many aspects of education, but who choose not to major in education while completing their undergraduate degree. Students interested in child development, neuroscience and the process of learning, or education-related policies, for example, may wish to complement their current major with this substantive program in education.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Education and Educational Services, Certificate (p. 1652)

EDUCATION AND EDUCATIONAL SERVICES, CERTIFICATE

Education is a topic of widespread interest to UW–Madison students and is one of the hotly contested subjects in today's politics and society. The Education and Educational Services (EES) Certificate Program provides a cohesive set of courses for undergraduate students interested in the many aspects of education, but who choose not to major in education during their undergraduate degree.

Students interested in child development, neuroscience and the process of learning, or education-related policies, for example, may wish to complement their current major with this substantive program in education. The certificate also provides grounding and learning experiences that will increase access to careers in education. Students completing the certificate may be considering future plans to:

- Enter a post-baccalaureate teacher education program.
- Pursue a graduate program focused on educational services, including programs such as counseling psychology, school psychology, and rehabilitation psychology.
- Complete advanced work in educational psychology or educational administration.
- Begin a career in teaching and learning settings and practices outside the K–12 education system.

This certificate program offers a variety of course options that can be customized to each student's area of interest. It is also available to individuals who have already completed a bachelor's degree; see the Nondegree/Visiting Student Guide (https://guide.wisc.edu/nondegree/).

In addition to reading the information here, students may wish to consult the department's website (https://edpsych.education.wisc.edu/academics/ees-certificate/) or email the EES administrator (ees@education.wisc.edu).

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates and University Special Students are eligible to complete the Certificate in Education and Educational Services (EES).

Students intending to pursue the Education and Educational Services Certificate should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form. The declaration for this certificate program can be submitted at any time during the calendar year.

Please note: Students completing a course of study designed to lead to teacher certification are not eligible to complete the EES certificate. This also includes School of Education degree students pursuing the education studies or communication sciences and disorders majors. Other students completing a major within the School of Education are limited to 6 credits of overlap between their major and the certificate; that is, no more than 6 credits of coursework used to satisfy requirements for a major within the School of Education may also be counted toward completion of the EES certificate.

REQUIREMENTS

REQUIREMENTS

Requirements of this 15-credit certificate program include both Foundation and Focus coursework. All coursework must be taken for a letter grade (not credit/no-credit or pass/fail) and students must earn at least a C grade in each course of the certificate. At least 12 credits of the certificate must be earned in residence at UW–Madison.

There is no formal prerequisite structure to the certificate, although students will generally be expected to take CURRIC 240 Critical Aspects of Teaching, Schooling, and Education first, followed by the two remaining Foundation courses and then the two Focus courses.

FOUNDATION COURSES, 9 CREDITS

Code	Title	Credits
Required Foundation Course		**3**
CURRIC 240	Critical Aspects of Teaching, Schooling, and Education	
Social Context of Education		**3**
Select one of the following:		
ED POL 145	Introduction to Education Policy	
ED POL 300	School and Society	
ED POL/ INTL ST 335	Globalization and Education	
ED POL/ HISTORY 412	History of American Education	
ED POL 210	Youth, Education, and Society	
ELPA 640	Legal Rights and Responsibilities for Teachers	
Individual Processes in Teaching and Learning		**3**
Select one of the following:		
ED PSYCH 320	Human Development in Infancy and Childhood	
ED PSYCH 321	Human Development in Adolescence	
ED PSYCH 331	Human Development From Childhood Through Adolescence	
ED PSYCH 301	How People Learn	
ED PSYCH 326	Mind, Brain and Education	
RP & SE 300	Individuals with Disabilities	

FOCUS COURSE WORK, 6 CREDITS

Code	Title	Credits
Select from the following and any other Foundation courses: [1]		6
COUN PSY 110	Human Resources Development: Career Strategies	
COUN PSY 115	Human Resources Development: Educational Effectiveness	
COUN PSY 225	Intersectionalities, Self Awareness, and Social Actions for Social Change	
COUN PSY 230	Race and the Developing Child	
COUN PSY 300	Special Topics: Counseling and Counseling Psychology	
COUN PSY 325	Seminar: Students Seeking Educational Equity and Diversity (SEED)	
COUN PSY 650	Theory and Practice in Interviewing	
COUN PSY 665	Career Development Throughout the Life Span	
CURRIC 305	Integrating the Teaching of Reading with Other Language Arts	
CURRIC 277	Videogames & Learning	
CURRIC/ CHICLA 321	Chicano/Latino Educational Justice	
CURRIC 366	Internationalizing Educational Knowledge	
CURRIC 375	Proseminar	
ELPA 502	Workshop in Educational Leadership and Policy Analysis	
ED POL/ HISTORY 107	The History of the University in the West	
ED POL 140	Introduction to Education	
ED POL 150	Education and Public Policy	
ED POL 200	Race, Ethnicity, and Inequality in American Education	
ED POL/ INTL ST 220	Human Rights and Education	
ED POL 450	Rethinking "After-School" Education	
ED POL 500	Topics on Social Issues and Education	
ED POL 505	Issues in Urban Education in the U.S.	
ED POL 510	Urban School Policy	

ED POL/CURRIC/ RELIG ST 516	Religion and Public Education
ED POL 518	Introduction to Debates in Higher Education Policy
ED POL/ AFROAMER 567	History of African American Education
ED POL/ ANTHRO 570	Anthropology and Education
ED POL 575	Education Policy and Practice
ED POL/ SOC 648	Sociology of Education
ED PSYCH 506	Contemporary Issues in Educational Psychology
ED PSYCH 540	Introduction to Professional School Psychology
ED PSYCH 541	Applied Behavior Analysis in Classrooms
ED PSYCH 542	The Biological Basis of Behavior
ED PSYCH 551	Quantitative Ethnography
ED PSYCH 570	Foundations of Educational Measurement
RP & SE 500	Rehabilitation-Counseling Psychology: Foundations

[1] Students may also substitute up to 3 credits of independent study with faculty from the departments of Coun Psy, Curric, ELPA, Ed Pol, Ed Psych or RP&SE. Independent study work with faculty from other School of Education departments may be considered; contact an advisor in the School of Education Student Services office.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Understand how learning environments and pedagogical practices for students are grounded in concepts and interpretive frameworks provided by disciplines that study human development and learning. Understand both typical and atypical development in relation to education.
2. Understand basic cognitive, social, emotional, and biological bases of teaching and learning.
3. Understand how issues of race, class, gender, cultural, sexual orientation, immigrant status, language background, and disability status interact with various educational contexts to affect learning and its outcomes.
4. Understand how local, state, national, and global social and political contexts differentially affect schooling and its outcomes for students both typical and atypical development in relation to education.
5. Understand the multiple contexts in which education occurs.
6. Understand historical, political, and cultural influences on education and educational institutions.
7. Understand supportive services available to learners in educational contexts and institutions.
8. Be familiar with some of the issues and controversies surrounding the selection of concepts taught, the assumptions associated with content choices, tools of inquiry, and ways of reasoning.
9. Be an informed consumer of educational research and policy prescriptions.

KINESIOLOGY

The study of movement, physical activity, exercise, and athletics has the potential to dramatically impact health and quality of life. Department programs focus on the scientific study of movement behavior, anatomy and physiology, research in kinesiology and fundamentals of exercise, and their application to health, physical education, and functional performance. The department's ultimate goal is to enhance human health, productivity, and quality of life.

The BS degree in Kinesiology (p. 1663) prepares students for graduate or professional study, and the BS degree in Physical Education (p. 1671) prepares teacher education students to teach physical education in elementary and secondary schools. Students in PE can choose to add a minor in Adapted Physical Education (p. 1655) and/or a minor in Health Education (p. 1656).

A collaborative BS degree program in Health Promotion and Health Equity (p. 1657) is broadly designed to provide students with the skills and perspectives to facilitate healthy practices at the individual and societal levels.

Two certificates in Athletic Healthcare (p. 1655) and Promoting Activity for Diverse Abilities (p. 1679) may be completed by students pursuing kinesiology and other majors on campus.

The department also offers health theory, strength and conditioning, and leadership courses to improve understanding, appreciation, and use of the body in movement and sports. Once the kinesiology students have enrolled, kinesiology classes are open to all university students.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Adapted Physical Education, Minor (p. 1655)
- Athletic Healthcare, Certificate (p. 1655)
- Health Education, Minor (p. 1656)
- Health Promotion and Health Equity, BS (p. 1657)
- Kinesiology, BS (p. 1663)
- Physical Education, BS (p. 1671)
- Promoting Activity for Diverse Abilities, Certificate (p. 1679)

ADAPTED PHYSICAL EDUCATION, MINOR

This minor allows Physical Education majors to obtain an additional teacher certification in Adapted Physical Education. Courses and field placements provide the knowledge, skills, and dispositions to teach children with disabilities.

In addition to teacher certification in Adapted Physical Education, this minor now provides all the information necessary to sit for the Adapted Physical Education National Standards (APENS) Examination for national Certification in Adapted Physical Education (CAPE). Students are encouraged to take this examination, but it is not required.

The Adapted Physical Education minor is only available to students majoring in Physical Education.

HOW TO GET IN

HOW TO GET IN

This minor may only be declared by students completing Physical Education, BSE. The declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page and can be submitted at any time after admission into the program.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
KINES 316	Adapted Physical Activity	3
KINES 360	Lifespan Motor Development	3
KINES 362	Adapted Physical Education Community Engagement	1
KINES 363	Management Strategies in Adapted Physical Education	2
KINES 364	Assessment and Programming in Adapted Physical Education	3
KINES 365	Practicum: Adapted Physical Education	2
Total Credits		**14**

ATHLETIC HEALTHCARE, CERTIFICATE

The Certificate in Athletic Healthcare provides a structured undergraduate offering for students with an interest in healthcare for active populations. Students acquire specialized knowledge related to the fields of healthcare, sports medicine, and physically active populations.

The combination of required core courses and elective options makes this certificate appealing to students from a wide array of backgrounds and majors. Students can select elective courses that will be applicable to a variety of career interests; substitutions for the core courses are not allowed.

This program is intended to provide students with meaningful learning experiences and ultimately an advantage in pursuing advanced or professional degrees in a variety of health-related fields.

HOW TO GET IN

HOW TO GET IN

DECLARATION PROCESS

Students must complete KINES 127 Introduction to Athletic Healthcare to apply to the certificate program. Students intending to complete the Athletic Healthcare certificate will find the declaration form on the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page. The declaration for this certificate program can be submitted at any time during the calendar year.

Students completing a Bachelor of Science degree in Athletic Training may not complete the Certificate in Athletic Healthcare.

REQUIREMENTS

REQUIREMENTS

Requirements of this minimum 14-credit certificate program include both required and elective coursework. All coursework must be taken for a letter grade. Certificate students must earn a minimum grade point average of 2.5 on required certificate coursework. At least 8 credits must be earned in residence at UW–Madison.

CORE COURSES

Complete all of the following:

Code	Title	Credits
KINES 127	Introduction to Athletic Healthcare	2
KINES 227	Introduction to Clinical Anatomy of Human Movement	2
KINES 387	The Young Athlete: Considerations for Exercise, Medicine, and Activity	2
KINES 487	Athletic Healthcare: Contemporary Perspectives	3

BREADTH ELECTIVE COURSES

Complete a minimum of 5 credits from the following:

Code	Title	Credits
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
HDFS 262	Development of the Young Child (was 362 prior to fall, 2023)	3
HDFS 263	Development from Adolescence to Old Age (was 363 prior to fall, 2023)	3
KINES 140	Science and Practice of Resistance Training	2
KINES 150	Foundations of Health Behavior and Health Equity	3
KINES 555	Sports Science & Athlete Monitoring	3

NURSING/ S&A PHM/ SOC WORK 105	Health Care Systems: Interdisciplinary Approach	2
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
RP & SE 125	Health and Rehabilitation Professions	3
RP & SE 310	Positive Psychology and Well Being	3
PSYCH 405	Adult Psychopathology	3-4

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Define Athletic Healthcare and identify components of the healthcare system commonly used in athletic healthcare.
2. Differentiate specific roles of healthcare professions that comprise a interdisciplinary healthcare team.
3. Identify the impact of public health policy on clinical practice in athletic healthcare.
4. Develop practical skills and knowledge that are commonly utilized in an athletic healthcare clinical setting.

HEALTH EDUCATION, MINOR

The Health Education minor provides a great opportunity for students who are passionate about helping others live healthier lives. Health minors are willing to tackle universal health challenges and intend to have a real and lasting impact in their communities. Our graduates work in diverse positions such as:

- Elementary health education specialist
- High school health educator
- Junior high school health educator
- Prevention specialist in a school district or community
- District health education coordinator
- Public health educator

Students are taught a skills-based approach to teaching health education that is grounded in health standards. In turn, this framework facilitates instruction in schools for K-12 students. Youth are empowered to practice these skills in their everyday lives, making the connection from theory to practice relevant and applicable.

Students in the Health Education minor will participate in the following throughout their enrollment in the program:

- Coursework designed and developed around the health education standards to build the skills-based health education knowledge for teaching.
- Observation and practicum placements: undergraduate students will work alongside health education teachers and professionals in field-based settings, learning, observing practice, designing, and delivering health education content with the teaching professional.
- Community outreach projects: applying knowledge from minor courses to address specific health topics.
- Student teaching in school settings, K-12, in a health education classroom as a part of the culmination of the Health Education minor.

We are committed to providing quality health instruction to our students, and ultimately to developing health-literate students in schools. To that end, the Health Education minor also includes:

- Placements in urban/suburban/rural, inclusive, and multicultural settings
- Small class sizes and advising groups
- Instruction within the nationally ranked UW–Madison School of Education

Students in Physical Education teacher education or teachers already licensed to teach at an appropriate level in Wisconsin are eligible to complete the Health Education minor.

Graduates are eligible to apply for a Wisconsin teaching license in Health at the Kindergarten through Grade 12 level.

HOW TO GET IN

HOW TO GET IN

Upon admission into their teacher education degree program in the School of Education, students should meet immediately with the Health minor coordinator to develop a course completion schedule.

Students should meet with the Pre-Declaration Physical Education Advisor to declare the Health Education minor; see Contact Information for details.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 23 credits to include all coursework below. A minimum 2.75 GPA is required, based on all UW–Madison coursework included in the minor requirements.

Students may wish to consult with the Health minor coordinator or advising staff in the School of Education Student Services office, 139 Education Building, 1000 Bascom Mall, 608-262-1651.

Upon acceptance into a major program in the School of Education, students should meet immediately with the Health minor coordinator to work out a schedule for required courses.

CORE REQUIREMENTS (23–24 CREDITS)

Code	Title	Credits
KINES 116	First Aid and Basic Life Support [1]	2
ANAT&PHY 235 or ANAT&PHY 335	Human Physiology and Health Physiology	4
KINES 501	Theory-Based Health Education and Health Promotion Programs	3

KINES 547	Skills for Health: Methods and Practicum of Teaching Health	3
SOC WORK 453	Substance Use Disorders	3
Take one of the following:		3-4
SOC/PSYCH 160	Human Sexuality: Social and Psychological Issues	
PSYCH/SOC 453	Human Sexuality	
KINES 566	Promoting Health in the Community	3
KINES 568	Student Teaching in Health Education [2]	2
Total Credits		**23-24**

[1] Students may exempt from KINES 116 First Aid and Basic Life Support by completing American Red Cross First Aid **AND** either American Red Cross Basic Life Support or American Red Cross CPR/AED for Professional Rescuers.
If a student wishes to request that a different course (or courses) be considered, contact the Department of Kinesiology undergraduate office PRIOR to enrolling.
Documentation of current First Aid certification must be presented to the Health Education program advisor. If the certification equivalent is used, the minor will require 21-22 credits.

[2] Eligibility for student teaching requires the completion of all courses required for the minor with a minimum GPA of 2.75. Students must also meet the content knowledge requirements for Health Education. A meeting with the Health minor coordinator is required before submitting a student teaching application. Students should bring a current transcript to this meeting. Special arrangements can be made for teachers seeking add-on certification in Health Education.

HEALTH PROMOTION AND HEALTH EQUITY, BS

The Health Promotion and Health Equity (HPHE) major was created through a collaborative effort across the departments of Counseling Psychology, Kinesiology, and Rehabilitation Psychology and Special Education in the School of Education. The Department of Kinesiology is the home of this major; its mission is to research, teach, and apply knowledge related to movement, exercise, and human occupation with the ultimate goal of enhancing human health, productivity, and quality of life.

The program is broadly designed to provide students with the skills and perspectives to facilitate healthy practices at the individual and societal levels. Students will learn about the theoretical, programmatic and empirical foundations of health promotion and health equity interventions and be taught to demonstrate competence in evaluating strengths and weaknesses in health promotion programs.

The coursework will prepare students for emerging career opportunities as health educators within community health organizations, hospitals, mental health centers, clinics, schools and universities, businesses and non-profits, governmental health offices, and various other public health-related professions.

"I'm from Madison and became interested in the HPHE program because I knew I wanted to work in the healthcare field, but was not sure in what direction. When I heard about this degree I loved how versatile it was!" –Victoria Ruiz de la Vega (read more (https://education.wisc.edu/news/victoria-ruiz-de-la-vega-from-the-school-of-educations-health-promotion-and-health-equity-major/?utm_source=Early_AD&utm_medium=email&utm_campaign=HPHE_majors&utm_id=

HOW TO GET IN

HOW TO GET IN

ADMISSION OVERVIEW

Students interested in Health Promotion and Health Equity may complete this major in two ways: (1) by entering the School of Education to complete a Bachelor of Science degree with a major in Health Promotion and Health Equity, or (2) adding the Health Promotion and Health Equity major as an additional major while completing another degree and major on campus. Students selecting the second option should review the Additional Major in Health Promotion and Health Equity (p. 1658) section below.

ENTERING THE SCHOOL OF EDUCATION

New and Current UW–Madison Students

New freshmen and off-campus transfers interested in completing the Bachelor of Science degree with the Health Promotion and Health Equity major are admitted directly to the School of Education and the major upon admission to UW–Madison. Current UW–Madison students wishing to transfer to the School of Education to complete an undergraduate degree with this major must meet with an advisor in the School of Education Student Services office (608-262-1651) or with the Health Promotion and Health Equity advisor (hphe@education.wisc.edu), to transfer and declare the major.

Prospective Transfer Students

Applicants not already enrolled on the UW–Madison campus must be admissible to the university to enroll in a School of Education degree program. Admission to UW–Madison requires a separate application and admission process. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information. Prospective transfer students are advised to meet with an advisor in the School of Education Student Services office in person or by telephone in advance of their application; to schedule, call 608-262-1651.

Students with a Previous Degree

Prospective applicants who already hold an undergraduate degree are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their application. Consultations with advisors are available in person or via telephone; to schedule, call 608-262-1651.

Applicants who already hold an undergraduate degree are admitted to the School of Education as a candidate for a second degree upon completion of the admission process. Second degree students are seeking a second degree that is unrelated to their first degree. More information is available here (p. 1494) under the Students with a Previous Degree heading.

APPLICATION AND ADMISSION

New freshmen and off-campus transfers are admitted directly to the Bachelor of Science–Health Promotion and Health Equity degree program. Current UW–Madison students must consult with an advisor in the School of Education Student Services office

(608-262-1651) or with the Health Promotion and Health Equity advisor (hphe@education.wisc.edu), to transfer and declare the major.

Note: Requirements and selection criteria may be modified from one application/admission period to the next.

Criteria for Admission

Eligibility for admission consideration to the Bachelor of Science–Health Promotion and Health Equity degree:

- Cumulative grade point average of at least a 2.5 based on UW–Madison campus coursework, as modified by the Last 60 Credits Rule (detailed below).
- Filing of all required paperwork and other application materials, including program application and transcripts.

Last 60 Credits Rule

Two grade point averages may be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

ADDITIONAL MAJOR IN HEALTH PROMOTION AND HEALTH EQUITY

Undergraduate students from all schools and colleges on campus may declare Health Promotion and Health Equity as an additional major.

Students wishing to declare the additional major must meet with an advisor in the School of Education Student Services office (608-262-1651) or with the Health Promotion and Health Equity advisor (hphe@education.wisc.edu), to transfer and declare the major. The declaration must also be approved by the student's home school/college.

Students completing Health Promotion and Health Equity as an additional major do not need to complete the School of Education's liberal studies and other degree requirements unless their primary major is also in the School of Education.

Please note that the requirements of the additional major must be completed before or concurrently with the degree program and primary major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Bachelor of Science (BS) degree program in Heath Promotion and Health Equity has three primary components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Major requirements* provide an opportunity to study the interrelated areas of physical health, mental health, and disability.
- *Additional electives* to reach the minimum of 120 degree credits. These credits allow students to pursue additional health-related courses, enroll in course work required for admission to graduate-level programs or develop other areas of interest. Health Promotion and Health Equity majors may also use these elective credits to complete an additional major to augment their interest in health or to explore a completely different subject.

MAJOR REQUIREMENTS

Complete a minimum of 40 credits with a 2.5 gpa across all major course work. At least 15 credits of upper-level major course work (courses numbered 300 and above) must be taken in residence with a minimum 2.5 grade point average.

REQUIRED HEALTH PROMOTION CORE, 31 CREDITS

Code	Title	Credits
ANAT&PHY 235	Human Physiology and Health	4
KINES 150	Foundations of Health Behavior and Health Equity	3
KINES 370	Planning, Facilitating & Assessment in Movement and Health Professionals	3
KINES 566	Promoting Health in the Community	3
RP & SE 316	Health Promotion for Individuals with Disability and Chronic Illness	3
RP & SE 325	Self Management of Chronic Illness and Disability	3
RP & SE 505	Biological, Psychosocial, and Vocational Aspects of Disabilities	3
COUN PSY 237	Mental Health, Self-Awareness, and Social Justice: Working in Diverse Communities	3
COUN PSY 531	Prevention and Intervention in Mental Health Across the Lifespan	3
COUN PSY 655	Clinical Communication Skills	3

MAJOR ELECTIVES, 9 CREDITS

Select courses from one of the following areas of emphasis, or select courses across these areas.

Code	Title	Credits
Physical Activity and Public Health		
KINES 100	Exercise, Nutrition, and Health	2
KINES 123	Living well: Lifestyle Redesign and Health Promotion for College Students	2
KINES 214	Culture and Environment in Exercise Physiology Abroad	3
KINES 250	Sedentary Behavior in the U.S. and Abroad	3
KINES 260	Inclusive Physical Activity, Sport & Rehabilitation in Ireland	3
KINES 280	Health Coaching Principles and Methods	3
KINES 501	Theory-Based Health Education and Health Promotion Programs	3
KINES 540	Diversity in Health and Physical Activity Settings	3
KINES 547	Skills for Health: Methods and Practicum of Teaching Health	3
Chronic Illness, Disability, and Health		
RP & SE 100	Disability and Society	3
RP & SE 121	Disability and Substance Abuse	3
RP & SE 125	Health and Rehabilitation Professions	3
RP & SE 310	Positive Psychology and Well Being	3
Health Equity, Mental Health, and Well-Being		
COUN PSY 225	Intersectionalities, Self Awareness, and Social Actions for Social Change	3
COUN PSY 230	Race and the Developing Child	3
COUN PSY/ CHICLA 331	Immigrant Health and Wellbeing	3
COUN PSY 332	Gender and Queer Issues in Psychology	3
COUN PSY/ CHICLA 525	Dimensions of Latin@ Mental Health Services	3
Social Determinants of Health		
MED HIST/HIST SCI/ POP HLTH 553	International Health and Global Society	3
NUTR SCI/ A A E 350	World Hunger and Malnutrition	3
SOC/C&E SOC 140	Introduction to Community and Environmental Sociology	4

SOC/C&E SOC 533	Public Health in Rural & Urban Communities	3
INTL ST/A A E 373	Globalization, Poverty and Development	3
CSCS 125	Community and Social Change	3
CSCS 460	Civil Society and Community Leadership	3
HDFS 469	Family and Community Influences on the Young Child	3
HDFS 474	Racial Ethnic Families in the U.S.	3
Health Sciences		
ANAT&PHY 337	Human Anatomy	3
GEN&WS 103	Gender, Women, Bodies, and Health	3
NUTR SCI 132	Nutrition Today	3
NUTR SCI 332	Human Nutritional Needs	3
POP HLTH/ C&E SOC 370	Introduction to Public Health	3
PSYCH 202	Introduction to Psychology	3-4

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

These requirements are based on UW–Madison coursework.

- 2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- Cumulative major grade point average: 2.5 cumulative grade point average in all major course work.
- Upper-level major course work: 2.5 cumulative grade point average in all upper-level (courses numbered 300 and above) major course work.
- Major Residency: Students must complete at least 15 upper level major credits while enrolled in residence on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total Credits: A minimum of 120 credits are required for graduation in the Health Promotion and Health Equity degree program.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Recognize concepts and theories related to health promotion and health equity.
2. Relate the role of social factors in facilitating or hindering health.
3. Evaluate the strengths and weaknesses of health behavior and health equity interventions.
4. Identify links between physiological and psychological health.
5. Interpret and communicate the interaction between personal and environmental determinants of health and well-being.
6. Draw from personal and professional identities to develop socially just practices and to lead effectively within their communities of practice.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Health Promotion and Health Equity: Sample Four-Year Plan

This sample four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and

refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A, (take fall or spring semester), 3	3	Communication A, (take fall or spring semester), 3	3
HPHE Major Elective, 3	3	Quantitative Reasoning A	3
Liberal Studies course work	9-12	COUN PSY 237 (also meets ethnic studies)	3
		Liberal Studies course work	6-9
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
KINES 150	3	RP & SE 316	3
RP & SE 325	3	Quantitative Reasoning B	3
Liberal Studies course work	9	Liberal Studies or General Elective course work	9
	15		**15**

Junior

Fall	Credits	Spring	Credits
KINES 370	3	ANAT&PHY 235	4
RP & SE 505	3	HPHE Major Elective	3
Communication B	3	Liberal Studies or General Elective course work	8
Liberal Studies or General Elective course work	6		
	15		**15**

Senior

Fall	Credits	Spring	Credits
COUN PSY 531	3	KINES 566	3
COUN PSY 655	3	HPHE Major Elective	3
Liberal Studies or General Elective course work	9	Liberal Studies or General Elective course work	9
	15		**15**

Total Credits 120

Note: The HP & HE major requires 9 credits of elective course work. A number of the course options, e.g., RP & SE 100, RP & SE 121 RP & SE 125; COUN PSY 225, COUN PSY 230; KINES 100, KINES 123; PSYCH 202; NUTR SCI 132, can be taken during the freshmen and sophomore years.

ADVISING AND CAREERS

ADVISING AND CAREERS

HEALTH PROMOTION AND HEALTH EQUITY ADVISING

Students are collaboratively advised by advising staff in the School of Education Student Services office and the department. Students not yet declared in Health Promotion and Health Equity meet with advising staff in the Student Services office, see below, or the departmental advisor.

Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Health Promotion and Health Equity Pathways (https://careercenter.education.wisc.edu/explore-career/hphe-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

HEALTH PROMOTION AND HEALTH EQUITY (HPHE) AND THE WISCONSIN EXPERIENCE

Community Engagement and Research Opportunities

Health Promotion and Health Equity majors are encouraged to get involved in research. Students have participated in labs such as the Promotion of Health Equity & Adapted Physical Activity (PHEAPA) (https://kinesiology.education.wisc.edu/research/pheapa-lab/) lab or the Pain, Context, and Innovation (https://www.shinyekim.com/) lab.

Students also participate in programs run through the Wisconsin Area Health Education Centers (AHEC), such as the Community Health Internship Program (https://ahec.wisc.edu/chip/).

Student Organizations

There are numerous campus student organizations (https://win.wisc.edu/) that Health Promotion and Health Equity majors can join to connect with students with similar interests. The Health Promotion and Health Equity Learning Community is an organization led by students in the major; they organize different alumni panels and study groups for students to connect.

Study Abroad

Health Promotion and Health Equity students can participate in School of Education led study abroad opportunities. These 2-3 week summer courses make it possible for students to have a study abroad experience and still have time to work or pursue other activities during the summer.

- Movement as Medicine in Portugal examines the connection between sedentary behavior and health outcomes in Portugal. Participants review definitions and rates of sedentary behavior, physical activity and physical inactivity in the U.S. and across the globe. While in Lisbon, participants hear from local experts and members of the healthcare and educational systems about how physical activity is viewed and promoted across the population. Side trips to relevant cultural local places contribute to the full picture of health in Portugal. An overnight trip to Porto and two additional day trips provide additional opportunities to learn more about local culture and history. Credit is given for KINES 250 Sedentary Behavior in the U.S. and Abroad or C&E SOC 400 Study Abroad in Community and Environmental Sociology.
- Inclusive Activity and Sports in Ireland offers a unique learning opportunity for UW–Madison students interested in pursuing careers in allied health, fitness and well-being, health education, and public health. Ireland has a distinct history, culture, and approach to health and movement. It is in the midst of comprehensive and progressive reforms to their health and social care with an emphasis on providing better outreach and rehabilitation services for people with disabilities. This course will focus on applying models, research, and best practices in motor control and motor learning to inclusive physical activity, sports, and rehabilitation for individuals with disabilities in Ireland. Students participate in training seminars led by Active Disability Ireland, Sport Ireland in Dublin, and Munster Technological University in Tralee. Included are visits to rehabilitation facilities and community organizations to attend guest lectures from occupational therapists, physical and physiotherapists, athletes with disabilities, and government employees. At the University of Limerick, students learn about bachelor's and graduate degree programs in the health sciences and hear about relevant research in physical activity, sedentary behavior, sport, and health for individuals with diverse abilities. Co-curricular activities provide an opportunity to explore and participate in sports, recreation, and physical activities through the lens of a tourist/participant with disabilities. Credit is given for KINES 260 Inclusive Physical Activity, Sport & Rehabilitation in Ireland.

HPHE majors have crafted their Wisconsin Experience in some of the following ways:

- A student majoring in HPHE is the event coordinator of a new student organization, the HPHE Learning Community. This individual is also part of a research team that codes conversations about the health and well-being of Latino children and is a teaching assistant for the Waisman Early Childhood Program.
- An HPHE student developed a passionate interest in social justice-based public health after interning at Milwaukee's Gerald Ignace Indian Health Center and the Philippine Cultural and Civic Center Foundation. They are currently working with the Wisconsin Division of Public Health as an enteric disease research analyst and beginning research on Asian American health under Dr. Dorothy Edwards and the NIH's All of Us (https://allofus.wisc.edu/?

elqTrackId=38719B11F064F2937F31EA8EC23D7CFB&elq=c21876d204e4436e89c2481e59617ecf&elqaid=3140&elqat=1&elqCampaignId=

program. This semester they will continue participating on the Asian Pacific Islander Desi American (APIDA) Heritage Month Planning Committee, the Kinesiology department's Equity Climate, and Diversity Committee, and has joined the HPHE Learning Community.

- Another one of our students is combining HPHE with the Gender and Women's Studies Certificate. This student has spent time as a research and communications intern of the Social Media Adolescent Health Research Team (SMAHRT) and presented at two national conferences. They also assumed the role of a fellow in the Undergraduate Research Scholars Program of the College of Letters & Science, facilitating conversations among undergraduate students in a weekly seminar. Previously, they worked as an intern lead for the Technology and Mental Wellness Program Youth Advisory Board, and internationally as a volunteer at the Galway Autism Partnership (GAP) in Galway, Ireland.
- An HPHE student with certificates in environmental studies, French, and global health is part of a team working on developing an evidence-based physical activity program for adolescents. Last summer was spent teaching in a low-income neighborhood.
- While also completing the Certificate in Disability Rights and Services, this student serves as the co-president of the HPHE Learning Community and helped to found the organization. They work as a social media and marketing assistant for two UW-affiliated organizations and as a peer advisor with the Cross College Advising Service.
- A student majoring in HPHE and working toward certificates in environmental studies and global health is the treasurer of the HPHE Learning Community student organization and has been elected to serve in a financial position for the Slow Food Club on campus.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

KINESIOLOGY, BS

The Kinesiology department's mission is to research, teach, and apply knowledge related to movement, exercise, and human occupation with the ultimate goal of enhancing human health, productivity, and quality of life.

Students in this major take coursework grounded in the basic sciences (e.g., physiology, anatomy, biology) and in kinesiology. Kinesiology core courses examine how the body responds to physical activity, the role of physiology and psychological factors in exercise, mechanics driving movement, how movement is controlled, learned, and developed over the lifespan, and the role of physical activity in the health of the U.S. population.

The curriculum includes coursework, engaging laboratory research opportunities, and hands-on learning experiences. Additionally, elective courses give students the flexibility to tailor the program to their specific interests. Examples of elective topics include strength and conditioning, leadership, health theory, athlete monitoring, clinical exercise prescription, and advanced courses in exercise physiology, exercise psychology, and biomechanics.

Kinesiology is a pre-professional program. This means that our students are well prepared for subsequent graduate or professional training in the allied health disciplines. The degree also prepares students for graduate programs in kinesiology and athletic training. Kinesiology graduates may pursue entry-level careers in a wide variety of professions, including those in the area of fitness, home health, and rehabilitation assistance.

Graduating seniors have reported starting the following jobs: club coach, programming administrator, medical scribe, AmeriCorps, rehabilitation aide, personal trainer, research assistant/specialist, physical therapy aide, nursing home caregiver, nanny, group exercise instructor, certified nursing assistant, medical device sales, strength and conditioning internship, United Cerebral Palsy inclusion facilitator, financial counselor, EKG tech, behavioral technician, project manager, ranch worker, wellbeing intern, glacier guide.

Graduating seniors have reported acceptance into the following graduate programs: Doctor of Physical Therapy, Master of Public Health, Doctor of Medicine, Chiropractic School, Clinical Exercise Physiology, Biomedical Engineering, Master in Physician Assistant Studies, Doctor of Occupational Therapy, Master of Science in Exercise Science, Master of Science in Applied Sport and Exercise Psychology, Dentistry.

HOW TO GET IN

HOW TO GET IN

KINESIOLOGY DECLARATION OVERVIEW

Incoming freshmen typically enter UW–Madison as Pre-Kinesiology students (PKN), spend the first two years completing liberal studies, general education, and Kinesiology prerequisite requirements, and declare the Kinesiology major during their sophomore year for the final two years on campus.

On-campus students starting at UW-Madison in other majors can move to Pre-Kinesiology by completing a Pre-Professional Declaration (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A GPA of 2.75, based on all UW–Madison coursework or the last 60 credits (p. 1494), is required to transfer into Pre-Kinesiology. It is not necessary to be a Pre-Kinesiology student before declaring Kinesiology.

ELIGIBILITY TO DECLARE KINESIOLOGY

Kinesiology currently accepts declarations once a year, from December 1st through February 1st. The on-campus declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page, along with information about the declaration period, deadline, and current eligibility requirements. Students should consult this site prior to submitting a declaration as this information may be modified from one declaration period to the next.

Off-campus students wishing to transfer directly into Kinesiology should complete the on-campus declaration and must also be admitted to UW-

Madison. See Transfer Students and Students with a Bachelor's Degree, below.

Eligibility Requirements:

- Complete the following prerequisite coursework by the end of the spring semester of the declaration year:

Code	Title	Credits
Biology Sequence		
Complete one of the following Biology sequences:		
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	Animal Biology and Animal Biology Laboratory	5
BIOLOGY/BOTANY/ ZOOLOGY 151	Introductory Biology	5
Advanced Placement (AP) Biology exam score of 4 or 5		
International Baccalaureate (IB) Biology exam score of 4 or 5		
Chemistry Sequence		
Complete one of the following Chemistry sequences:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	10
Physics Course		
Complete one of the following Physics courses:		
PHYSICS 103	General Physics	4
PHYSICS 201	General Physics	5
PHYSICS 207	General Physics	5
Kinesiology Course		
KINES 119	Introduction to Kinesiology	2

- Students may complete no more than three of the prerequisite courses during the spring semester of the declaration year. For this purpose CHEM 109 satisfies the full general chemistry requirement and constitutes one course. BIOLOGY/ ZOOLOGY 101 and BIOLOGY/ZOOLOGY 102 are counted as two courses in determining eligibility for the program.
- Earn a minimum 2.75 cumulative GPA or a 2.75 cumulative GPA based on the Last 60 Credits Rule by the end of the fall semester of the declaration year.[3]

[3] Last 60 Credits Rule - Two grade point averages may be calculated to determine a candidate's eligibility to declare Kinesiology. A GPA may be calculated using (1) UW-Madison and all other all transferable college level coursework attempted and (2) the last 60 credits attempted. The higher GPA of these two calculations will be used for determining eligibility. Once declared, students must earn a semester GPA of 2.75 each semester after declaration. More information on this rule is available here (p. 1494).

Students will be provisionally admitted in the spring, pending the completion of all prerequisite courses and GPA requirements by the end of the spring semester.

TRANSFER STUDENTS AND STUDENTS WITH A PREVIOUS DEGREE

Transfer students and second degree candidates (students who already hold a Bachelor's degree) must be admitted to UW-Madison to enroll in a School of Education program. Admission to the campus has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for campus application information.

Students wishing to transfer directly into Kinesiology should complete both the on-campus Kinesiology declaration and the UW-Madison application. All eligibility requirements must be met. Other transfer and second degree candidates will be admitted to UW-Madison with the Pre-Kinesiology designation.

Second degree candidates in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first. A large number of credits are usually required to complete the new degree requirements and a second undergraduate degree is awarded upon its completion; more information is available here (p. 1494).

Off-campus students are strongly advised to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations with advisors are available in person, virtually, or via telephone; email soeacademicservices@education.wisc.edu or call 608-262-1651 to schedule an appointment.

ADVISING AFTER DECLARATION

The Kinesiology department holds mandatory spring orientation sessions for new majors, led by a departmental advisor. The sequencing of coursework and enrollment in Kinesiology courses are addressed at these meetings. Students will be authorized to enroll in Kinesiology courses after the orientation meetings are completed.

After declaration, advising about the major will be provided by the Department of Kinesiology. Majors are required to meet with the departmental advisor at least once per semester. All questions about School of Education and university requirements should be referred to an advisor in the School of Education Student Services office.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Kinesiology program has five components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Science core* coursework offers in-depth study of the basic sciences and mathematics.
- *Kinesiology core* courses look at how the body responds and adapts to exercise, the role of psychological factors in sports and exercise, mechanics applied to biological systems, and how movement is controlled, learned, and developed over the life span.
- *Advanced coursework in Kinesiology* requires at least 11 credits of Kinesiology electives, thus giving students some flexibility to tailor the program to their specific interests.
- *Elective* classes are generally related to the student's area of study and are taken to reach the minimum of 120 credits.

SCIENCE CORE

Code	Title	Credits
Select one of the following:		5-10
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Select one of the following:		5
AP or IB Biology score of 4 or above		
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	Animal Biology and Animal Biology Laboratory	
BIOLOGY/ BOTANY/ ZOOLOGY 151	Introductory Biology	
Select one of the following:		4-5
PHYSICS 103	General Physics	
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
PSYCH 202	Introduction to Psychology	3-4

Code	Title	Credits
Complete one option:		0-10
Placement into MATH 221		
MATH 112 & MATH 113	College Algebra and Trigonometry (or test out of MATH 112 and/or MATH 113)	
MATH 114	Precalculus	
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II (both courses must be taken)	
Select one of the following:		3
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT 301	Introduction to Statistical Methods	
PSYCH 210	Basic Statistics for Psychology	
ANAT&PHY 335	Physiology	5
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory	2

KINESIOLOGY CORE

Code	Title	Credits
KINES 116	First Aid and Basic Life Support [1]	2
KINES 119	Introduction to Kinesiology	2
KINES 300	Practicum in Kinesiology [2]	3
KINES 314	Physiology of Exercise	4
KINES 318	Biomechanics of Human Movement	3
KINES 330	Research in Kinesiology	2
KINES 350	Introduction to Exercise Psychology	3
KINES 361	Motor Learning and Performance	3
Select one of the following:		3
KINES 355	Socio-Cultural Aspects of Physical Activity	
KINES 521	Physical Activity and Health	
KINES 540	Diversity in Health and Physical Activity Settings	
KINES 560	Senior Research Writing in Kinesiology	
KINES 600	Advanced Exercise Psychology	
KINES 614	Biological Factors Influencing Exercise Performance	

1 Students may exempt from KINES 116 First Aid and Basic Life Support by completing American Red Cross First Aid **AND** either American Red Cross Basic Life Support or American Red Cross CPR/AED for Professional Rescuers.
If a student wishes to request that a different course (or courses) be considered, contact the Department of Kinesiology undergraduate office PRIOR to enrolling.

2 Criminal background investigations may be conducted for some students, based on the site of the practicum assignment. The cooperating agency to which the student has been assigned will determine if a background check is necessary.

ADVANCED COURSEWORK IN KINESIOLOGY

Select a minimum of 11 credits from the following:

Code	Title	Credits
KINES 214	Culture and Environment in Exercise Physiology Abroad	3
KINES 250	Sedentary Behavior in the U.S. and Abroad	3
KINES 260	Inclusive Physical Activity, Sport & Rehabilitation in Ireland	3
KINES 312	Technology for Physical Activity and Health Professionals	2
KINES 325	Group Development and Behavior Management	3
KINES 360	Lifespan Motor Development	3
KINES 387	The Young Athlete: Considerations for Exercise, Medicine, and Activity	2
KINES 390	Principles of Exercise Leadership	2
KINES 427	Fitness Testing and Exercise Prescription	3
KINES 501	Theory-Based Health Education and Health Promotion Programs	3
KINES 508	Workshop in Kinesiology (Topic: Theories and Strategies for Behavioral Change)	3
KINES 523	Clinical Exercise Testing and Prescription for Health Professionals	3
KINES/ NUTR SCI 525	Nutrition in Physical Activity and Health	3
KINES 527	Principles of Strength and Conditioning	3
KINES 531	Neural Control of Movement	3
KINES 555	Sports Science & Athlete Monitoring	3
KINES 614	Biological Factors Influencing Exercise Performance	3
KINES 615	Laboratory Techniques in Exercise Physiology	2
KINES 618	Biomechanics	2-3

ELECTIVE COURSEWORK

Select additional courses to reach the minimum of 120 credits.

CONTINUATION REQUIREMENT: DEPARTMENT OF KINESIOLOGY

All students admitted to undergraduate programs in the Department of Kinesiology, including Physical Education, must maintain a cumulative grade point average (GPA) of at least 2.75, based on all UW–Madison campus coursework. Consult the School of Education's Academic Policies and Procedures (p. 1494) for additional information about the Continuation requirement.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

These requirements are based on UW-Madison coursework.

- Must earn a minimum 2.50 cumulative grade point average. Graduation GPA may be modified by the Last 60 Credits Rule (p. 1494).
- Major residency: Students must complete a minimum of 15 credits from the Department of Kinesiology while enrolled on the UW–Madison campus.
- Senior residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Must complete a minimum of 120 credits.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Knowledge) Define and explain major concepts across the breadth of kinesiology.
2. (Application) Apply their knowledge related to movement and physical activity techniques and approaches in clinical and applied settings to enhance human health and quality of life.
3. (Critical Thinking) Demonstrate competence in the scientific research process, which includes the ability to consume, analyze, interpret and critically review scientific literature.
4. (Communication) Develop appropriate styles of written and oral communication to use both within and outside of the scientific community.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Kinesiology: Sample Four-Year Plans

A four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests.

There are many ways to complete the degree and course selection should reflect your own situation. Consult with an advisor in Education Student Services, 139 Education Building, to develop a personalized plan of study. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Three plans are presented below. The first is for students who need to take MATH 112 Algebra, followed by a plan for students testing out it. The third is for students who test into MATH 96.

STARTING WITH MATH 112

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
BIOLOGY/ ZOOLOGY 102[2]	2	KINES 119 (or fall sophomore year)	2

MATH 112 (also meets Quantitative Reasoning A)	3	CHEM 103	4
Liberal Studies course work	7-10	Liberal Studies course work	0-3
		Ethnic Studies	3
		PSYCH 202	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
BIOLOGY/ ZOOLOGY 101 or 151[2]	3	PHYSICS 103	4
CHEM 104	5	Choose One: Also Meets Quantitative Reasoning B	3
Liberal Studies course work	2-4	STAT 301	
MATH 113	3	PSYCH 210	
		STAT 371	
		KINES 116	2
		Liberal Studies or General Elective course work	6
	15		**15**

Junior

Fall	Credits	Spring	Credits
KINES 330 or 361	2-3	KINES 361 or 330	2-3
KINES 350 (or Advanced Kines Elective)[1]	3	KINES 314	4
ANAT&PHY 335	5	ANAT&PHY 337	3
Advanced Kines Elective[1]	3	ANAT&PHY 338	2
		KINES 350 (or Advanced Kines Elective)	3
	14		**14**

Senior

Fall	Credits	Spring	Credits
KINES 318 or 300	3	KINES 300 or 318	3
Communication B - Select one of the following in the fall or spring semester	3	Communication B - Select one of the following in the fall or spring semester. 600 is not offered in the spring.	3
KINES 355		KINES 355	
KINES 521		KINES 521	
KINES 540		KINES 540	
KINES 560		KINES 560	
KINES 600		KINES 614	
KINES 614		Advanced Kines Elective	3
Advanced Kines Elective	2	Liberal Studies, Advanced Kines Elective or General Elective course work	7-10
Liberal Studies, Advanced Kines Elective or General Elective course work	8-11		
	16		**16**

Total Credits 120

1 A total of 11 credits of Advanced Kines Electives are required. Elective course options are 2-3 credits.

2 Select either BIOLOGY/ZOOLOGY 101 Animal Biology/BIOLOGY/ZOOLOGY 102 Animal Biology Laboratory or BIOLOGY/BOTANY/ZOOLOGY 151 Introductory Biology

TESTING OUT OF MATH 112

The Quantitative Reasoning A requirement has already been met.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
CHEM 103	4	KINES 119 (or fall sophomore year)	2
Liberal Studies course work	8-11	CHEM 104	5
		MATH 113	3
		Liberal Studies course work	2-5
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
PHYSICS 103	4	Choose One: [2]	5
Ethnic Studies	3	BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102	
PSYCH 202	3	BIOLOGY/BOTANY/ ZOOLOGY 151	
Liberal Studies course work	6	Choose One: Also meets Quantitative Reasoning B	3
		STAT 301	
		PSYCH 210	
		STAT 371	
		KINES 116	2
		Liberal Studies or General Elective course work	5
	16		**15**

Junior

Fall	Credits	Spring	Credits
KINES 330 or 361	2-3	KINES 361 or 330	2-3
KINES 350 (or Advanced Kines Elective)[1]	3	KINES 314	4
ANAT&PHY 335	5	ANAT&PHY 337	3
Advanced Kines Elective[1]	3	ANAT&PHY 338	2

		KINES 350 (or Advanced Kines Elective)	3
	14		**14**

Senior

Fall	Credits	Spring	Credits
KINES 318 or 300	3	KINES 300 or 318	3
Communication B - Select one of the following either in the fall or spring semester	3	Communication B - Select one of the following either in the fall or spring semester (KINES 600 is not offered in the spring)	3
KINES 355		KINES 355	
KINES 521		KINES 521	
KINES 540		KINES 540	
KINES 560		KINES 560	
KINES 600		KINES 614	
KINES 614		Advanced Kines Elective	3
Advanced Kines Elective	2	Liberal Studies, Advanced Kines Elective or General Elective course work	7-10
Liberal Studies, Advanced Kines Elective or General Elective course work	7-10		
	15		**16**

Total Credits 120

[1] A total of 11 credits of Advanced Kines Electives are required. Elective course options are 2-3 credits.

[2] Select either BIOLOGY/ZOOLOGY 101 Animal Biology/BIOLOGY/ZOOLOGY 102 Animal Biology Laboratory or BIOLOGY/BOTANY/ZOOLOGY 151 Introductory Biology

STARTING WITH MATH 96

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Math 096	3	BIOLOGY/ ZOOLOGY 101 or 151[2]	3-5
BIOLOGY/ ZOOLOGY 102[2]	2	MATH 112	3
Liberal Studies course work	7-10	PSYCH 202	3
		Liberal Studies course work	1-6
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
KINES 119	2	PHYSICS 103	4
Choose One: Also meets Quantitative Reasoning B	3	KINES 116	2
STAT 301		Liberal Studies or General Elective course work	4
PSYCH 210			
STAT 371			
Ethnic Studies	3		
Liberal Studies course work	3		
	15		**15**

Junior

Fall	Credits	Spring	Credits
KINES 330 or 361	2-3	KINES 361 or 330	2-3
KINES 350 (or Advanced Kines Elective)[1]	3	KINES 314	4
ANAT&PHY 335	5	ANAT&PHY 337	3
Advanced Kines Elective[1]	3	ANAT&PHY 338	2
		KINES 350 (or Advanced Kines Elective)	3
	14		**14**

Senior

Fall	Credits	Spring	Credits
KINES 318 or 300	3	KINES 300 or 318	3
Communication B - Select one of the following in the fall or spring semester	3	Communication B - Select one of the following in the fall or spring semester. 600 is not offered in the spring.	3
KINES 355		KINES 355	
KINES 521		KINES 521	
KINES 540		KINES 540	
KINES 560		KINES 560	
KINES 600		KINES 614	
KINES 614		Advanced Kines Elective	3
Advanced Kines Elective	2	Liberal Studies, Advanced Kines Elective or General Elective course work	6-9
MATH 113	3		
Liberal Studies, Advanced Kines Elective or General Elective course work	4-7		
	16		**16**

Total Credits 120

[1] A total of 11 credits of Advanced Kines Electives are required. Elective course options are 2-3 credits.

[2] Select either BIOLOGY/ZOOLOGY 101 Animal Biology/BIOLOGY/ZOOLOGY 102 Animal Biology Laboratory or BIOLOGY/BOTANY/ZOOLOGY 151 Introductory Biology

ADVISING AND CAREERS

ADVISING AND CAREERS

KINESIOLOGY ADVISING

Students not yet admitted to Kinesiology meet with an advisor in the School of Education Student Services office, see below. Once admitted to the professional program, students are also advised in the Department of Kinesiology.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Kinesiology Pathways (https://careercenter.education.wisc.edu/explore-career/kinesiology-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values – the commitment to the truth, shared participation in decision-making, and service to local and global communities – the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

KINESIOLOGY AND THE WISCONSIN EXPERIENCE

Research in the Kinesiology Department

Students are serving as Research Assistants in the labs of Professors Cook, Ausderau, Andreae, Schrage, Barnes, and Mason, and also in the Promotion of Health Equity & Adapted Physical Activity (PHEAPA) lab. Kinesiology students may apply for the American Physiological Society Summer Undergraduate Research Fellowship.

Participation in Departmental Activities

Undergraduate students are members of the Equity, Climate, Diversity and Undergraduate Studies Committees, are peer learning facilitators in ANAT&PHY 335 and ANAT&PHY 337, and participate in the KinEqT Mentorship Program.

The peer learning facilitators hold study groups for current Kines students either in ANAT&PHY 335 or ANAT&PHY 337. These students have a weekly meeting with the instructional staff to cover common challenges in the content and to go over the plan for the study groups, including community building, active learning, and peer facilitation strategies. This is not a tutoring session, but a peer-led facilitation of learning by asking questions and helping the students work with the material in new ways.

The new KinEqT mentorship program is organized by graduate students to help undergraduate students connect and build community in the Department. The program helps facilitate mentorship

and#access to#resources–both academic and professional–between graduate and undergraduate students with underrepresented racial, disability, social class and gender identities, especially those who are#underrepresented#within the UW-Madison Department of Kinesiology.

Community-Based Learning Experiences

The Kinesiology Practicum is a Community Based Learning Course and is structured for students to gain experience and skills outside of the classroom. This is one of the highlights of the major. Students are placed in a relevant setting for their career goals and spend approximately seven hours per week working with these partners. The options for placements include research labs, strength and conditioning settings, peer facilitating or teaching assistants, public health, and community outreach physical activity programs.

Related Student Organizations

Sports Medicine & Athletic Healthcare Club, Pre-PT club, Kinesiology Club, Students for Rare, an organization that promotes activism for individuals suffering from rare diseases, and Letters of Love, writing positive letters for children in hospitals.

Study Abroad Courses

The Department of Kinesiology recently developed three new study abroad courses in Portugal, Costa Rica, and Ireland. These 2-3 week courses make it possible for students to have a study abroad experience and still have time to work or pursue other activities during the summer.

- **Movement as Medicine in Portugal** examines the connection between sedentary behavior and health outcomes in Portugal. Participants review definitions and rates of sedentary behavior, physical activity and physical inactivity in the U.S. and across the globe. While in Lisbon, participants hear from local experts and members of the healthcare and educational systems about how physical activity is viewed and promoted across the population. Side trips to relevant cultural local places contribute to the full picture of health in Portugal. An overnight trip to Porto and two additional day trips provide additional opportunities to learn more about local culture and history. Credit is given for KINES 250 or C&E SOC 400.
- **Team Building in Costa Rica** was designed to enhance the group development skills of its participants while engaging in activities such as white-water rafting, ziplining and hiking. It combined a very successful kinesiology course, KINES 325 Group Development and Behavior Management, with a unique cultural opportunity in Costa Rica. Each day provides opportunities to not only explore the Pura Vida (Pure Life) of Costa Rica, but also to engage in personal reflection. Participants experience the process of growing together as a community and develop skills to create lasting communities in their personal and professional lives. Students earn credit for KINES 325, a required course in the physical education program.
- **Inclusive Activity and Sports in Ireland** offers a unique learning opportunity for UW–Madison students interested in pursuing careers in allied health, fitness and well-being, health education, and public health. Ireland has a distinct history, culture, and approach to health and movement. It is in the midst of comprehensive and progressive reforms to their health and social care with an emphasis on providing better outreach and rehabilitation services for people with disabilities. This course will focus on applying models, research, and best practices in motor control and motor learning to inclusive physical activity, sports, and rehabilitation for individuals with disabilities in Ireland. Students participate in training seminars led by Active Disability Ireland, Sport Ireland in Dublin, and Munster Technological University in Tralee. Included are visits to rehabilitation facilities and community organizations to attend guest lectures from occupational therapists, physical and physiotherapists, athletes with disabilities, and government employees. At the University of Limerick, students learn about bachelor's and graduate degree programs in the health sciences and hear about relevant research in physical activity, sedentary behavior, sport, and health for individuals with diverse abilities. Co-curricular activities provide an opportunity to explore and participate in sports, recreation, and physical activities through the lens of a tourist/participant with disabilities. Credit is given for KINES 260.

Volunteering

Students have volunteered to work with Ballroom Basics for Balance (BB4B), GiGi's Playhouse, and helped out in adapted fitness, assisted living, and pro bono clinic settings.

Paid Work Experiences Related to Kinesiology

Current Kines students have found employment in some of the following areas: Physical Therapy Aide, University Health Services Student Health Technician – SH/GYN Clinic, Nuclear Cardiac Stress Testing Intern, UnityPoint Health, Nursing Care Partner, Recreation & Wellbeing, Nicholas Recreation Center Member Services Supervisor, Badger Sports Camps at UW-Madison, Cardiac Rehab Intern SSM St Mary's Hospital Center of Wellness, Personal Caregiver, Home Health Aide.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

PHYSICAL EDUCATION, BS

Welcome to the Physical Education Teacher Education program! We believe great PE teachers help students grow into healthy, happy, and helpful humans. Our unique PE teacher preparation program has dedicated faculty with decades of experience who are committed to guiding you to be the best teacher you can be.

The Physical Education program is not one of the larger programs in the state, but we think it is one of the best. More than once, a retired Health and Physical Education Curriculum Director from a school district in Wisconsin told us our graduates are better prepared than students coming out of any other program. We feel good about that.

In addition to the Physical Education major, we also offer a minor in Adapted Physical Education (p. 1655) and a minor in Health Education (p. 1656). The Adapted minor is important for teaching at all levels and the Health minor is important for teaching at the secondary level. You can develop the program to fit your needs and graduate with just the Physical Education major, the major and one minor, or the major and both minors.

The UW–Madison School of Education Teacher Pledge (https://tec.education.wisc.edu/teacher-pledge/) can financially support your dreams of becoming a teacher. You pledge to teach in Wisconsin PK-12 schools for 3-4 years after graduation. In return, we pledge to pay the equivalent of in-state tuition and fees, testing, and licensing costs.

We are committed to transforming physical education into a powerful experience in which students develop physical, mental, and social skills for life. To that end, our program includes the following elements:

- Standards-based curriculum models
- Culturally responsive teaching techniques in inclusive and multicultural settings
- Social and emotional learning that incorporates community building and behavior management

Physical education students also benefit from:

- Nationally and state-recognized faculty and staff members
- Student teaching placements in urban, suburban, or rural settings, depending on the needs of the individual
- Small class sizes and advising groups
- A strong science and technology-based curriculum
- Instruction within the #1 nationally ranked UW–Madison School of Education

From the beginning, you will get to work with students from diverse educational backgrounds, ensuring you will be prepared to thrive in any setting after graduation. We offer many "out-of-the-classroom" opportunities to strengthen and expand your physical education knowledge, and proudly have a presence in Special Olympics, adapted clubs, and local Boys & Girls Clubs.

You'll also have a chance to study abroad and take our team-building course in Costa Rica! We go every May after the spring semester, and our students learn how to create a safe, inclusive learning community in a unique cultural setting.

Throughout the Physical Education program, you'll observe PE teachers, team-teach homeschooled elementary students, and participate in community service opportunities in the Madison area. In your final year at UW, you'll be mentored by veteran PE teachers who use various PE curriculum models: Adventure Learning, Fitness Education, Teaching Games for Understanding, and Sport Education. These invaluable teaching practices will prepare you for the joys and responsibilities of your own PE classroom.

Physical Education students also have the opportunity for professional growth as they earn their degree. Students have given presentations at the Wisconsin, Midwest, and national Society of Health and Physical Educators (SHAPE America) conferences. Several students have recently completed serving in leadership positions at the state and district levels.

The world needs individuals like you who want to make a difference through physical education. We are excited you want to be a part of the movement!

On, Wisconsin!

"I think one of the most impactful and important aspects of this program is how often I go into schools, am involved in volunteer opportunities, and just work directly with students and people with and without disabilities. There's a lot of great opportunities to get involved in hands-on experiences instead of just being in a classroom."
–Lucas Mandel (read more (https://education.wisc.edu/news/lucas-mandel-from-the-school-of-educations-physical-education-major/?utm_source=Early_AD&utm_medium=email&utm_campaign=teaching_phys_majors&

HOW TO GET IN

HOW TO GET IN

PHYSICAL EDUCATION DECLARATION OVERVIEW

Students interested in a degree in Physical Education can enter UW–Madison with a Pre-Physical Education classification. They spend their initial semesters completing liberal studies, general education, and science core requirements.

UW-Madison students who started in another major can move to Pre-Physical Education by completing a Pre-Professional Declaration (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A GPA of 2.75, based on all UW–Madison coursework or the last 60 credits (p. 1494), is required to transfer into Pre-Physical Education.

It is not necessary to be a Pre-Physical Education student before declaring the Bachelor of Science in Physical Education.

DECLARING BACHELOR OF SCIENCE IN PHYSICAL EDUCATION (BSPE)

On-Campus Students

On-campus students may declare the Bachelor of Science in Physical Education degree at any time, provided they have met the following requirements:

- Have second-year academic standing.
- Earned a minimum 2.75 cumulative GPA (4.00 scale) on all college work attempted, or a 2.75 on the last 60 credits (https://guide.wisc.edu/undergraduate/education/#policiesandregulationstext).
- Have met with a Physical Education or School of Education Student Services advisor who will submit the declaration form; see Contact Information for details.

[1] Last 60 Credits Rule - Two grade point averages may be calculated to determine a candidate's eligibility to declare Physical Education. A GPA may be calculated using (1) UW-Madison and all other all transferable college level coursework attempted and (2) the last 60 credits attempted. The higher GPA of these two calculations will be used for determining eligibility. Once declared, students must earn a semester GPA of 2.75 each semester after declaration. More information on this rule is available here (p. 1494).

Off-Campus Transfers to UW-Madison

Off-campus students wishing to transfer to UW-Madison and declare the Bachelor of Science in Physical Education degree must be admitted to UW-Madison. Admission to the university has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu/) for application information. Students also need to meet with a Physical Education or School of Education Student Services advisor, who will determine if the

following eligibility requirements to declare the BSPE degree have been met:

- Have second year academic standing.
- Earned a minimum 2.75 cumulative GPA (4.00 scale) on all college work attempted or 2.75 on the last 60 credits (https://guide.wisc.edu/undergraduate/education/#policiesandregulationstext).

See Contact Information for details. The advisor will submit the declaration form if the student has met the eligibility requirements. Transfer students who do not meet the declaration eligibility requirements may be admitted to UW-Madison with the Pre-Physical Education classification.

Students with a Previous Undergraduate Degree

Students who already hold a Bachelor's degree and wish to become certified to teach Physical Education must be admitted to UW-Madison. Admission to the university has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for university application information.

Students need to meet with a Physical Education or School of Education Student Services advisor who will (1) review the student's eligibility to declare the BSPE degree, and (2) discuss their admission status, see below. Eligibility requires that a student has:

- Earned a minimum 2.75 cumulative GPA (4.00 scale) on all college work attempted or 2.75 on the last 60 credits (https://guide.wisc.edu/undergraduate/education/#policiesandregulationstext).

See Contact Information for details. The advisor will submit the declaration form if the student has met the eligibility requirement.

An applicant with a previous undergraduate degree will be admitted to Physical Education as a second degree candidate or as a School of Education "Special Student," depending on their academic background. *Second degree candidates* in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first degree. A large number of credits are usually required to complete the new degree requirements and a second degree is awarded upon its completion; more information is available here (p. 1494).

Admission as an *Education Special Student* indicates that the applicant wishes to pursue teacher certification in Physical Education and studied it extensively during their initial degree. An individual enrolls in Physical Education as a Special Student to complete the requirements that were not taken during the first degree; these are assessed on a case by case basis. Another degree is not awarded for this "certification only" coursework.

All returning students are strongly advised to meet with an advisor in the School of Education Student Services office before applying for admission to UW-Madison. Consultations with advisors are available in person, virtually, or via telephone; email studentservices@education.wisc.edu (soeacademicservices@education.wisc.edu) or call 608-262-1651 to schedule an appointment.

BACKGROUND CHECKS

Pursuant to State of Wisconsin law PI 34.018(2), the School of Education is required to administer a background check on all students entering teacher education programs. This check is intended to determine if the applicant has engaged in any behavior that endangers the health, welfare, safety, or education of PK-12 pupils. Local school districts frequently conduct background checks on teacher education students prior to the start of their in-classroom field work, and the Department of Public Instruction (DPI) will also conduct a background check on each applicant for a Wisconsin educator license.

Students should be aware that background checks may be initiated by other agencies or organizations when they are seeking employment or a professional license. School administrators have the authority to determine the appropriateness of a student placement and may choose not to permit a placement based on a student's background check results.

An individual who has been deemed ineligible to participate in field or clinical experiences based on the results of their background check may not be able to complete the requirements for their degree or certification. Students with questions about these processes should contact the Teacher Education Center, tec@education.wisc.edu.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural

and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Physical Education program has six components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Science Core* coursework offers in-depth study of the basic sciences and mathematics.
- *Kinesiology Core* courses look at how the body responds and adapts to exercise, the role of psychological factors in sports and exercise, mechanics applied to biological systems, and how movement is controlled, learned, and developed over the life span.
- The *Physical Education requirements* focus on advanced study in Physical Education pedagogy, including teaching methods coursework and field experiences in the schools.
- *Education* coursework includes an examination of the school's relationship to our society and also of the processes by which students grow and learn.
- *Elective* coursework is taken to reach the minimum of 120 credits required for the degree.

While not required, teaching certifications in Adapted Physical Education and Health Education are also offered. See Additional Certification Options (p. 1675), below.

SCIENCE AND KINESIOLOGY CORE COURSES

With the exception of KINES 116 First Aid and Basic Life Support and KINES 121 Foundations of Physical Education, Kinesiology coursework must be taken after admission into the professional part of the undergraduate program.

Code	Title	Credits
MATH 112	College Algebra	3
CHEM 108	Chemistry in Our World	5
or CHEM 103	General Chemistry I	
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 235	Human Physiology and Health	4
KINES 116	First Aid and Basic Life Support [1]	2
KINES 308	Biomechanics of Physical Activity	2
KINES 314	Physiology of Exercise	4
KINES 361	Motor Learning and Performance	3

[1] Students may exempt from KINES 116 First Aid and Basic Life Support by completing American Red Cross First Aid **AND** either American Red Cross Basic Life Support or American Red Cross CPR/AED for Professional Rescuers, enroll here. (https://www.redcross.org/take-a-class/)
If a student wishes to request that a different course (or courses) be considered, contact the Department of Kinesiology undergraduate office PRIOR to enrolling.

PHYSICAL EDUCATION COURSES

Effective for Fall, 2023 program admission.

Code	Title	Credits
KINES 121	Foundations of Physical Education	2
KINES 315	Assessment and Research in Physical Activity Pedagogy	3
KINES 316	Adapted Physical Activity	3
KINES 325	Group Development and Behavior Management	3
KINES 327	Current Topics in Outdoor Pursuits	1
KINES 353	Health and Physical Education in a Multicultural Society	3
KINES 372	Methods and Practicum of Teaching PK-5 Physical Education	4
KINES 373	Methods and Practicum of Teaching 6-12 Physical Education	4

KINES/CURRIC 478	Elementary School Physical Education Student Teaching	6
KINES/CURRIC 479	Middle School or High School Physical Education Student Teaching	6

PROFESSIONAL EDUCATION COURSES

Code	Title	Credits
Learning (Minimum of 3 credits)		
ED PSYCH 301	How People Learn	3
Foundations of the Profession: (Minimum of 3 credits)		
ED POL 300	School and Society	3
or ED POL/ HISTORY 412	History of American Education	

ADDITIONAL CERTIFICATION OPTIONS

Physical Education students are encouraged to increase their content knowledge and teaching capabilities through additional training. Although not required, teaching certifications are available in Health Education and Adapted Physical Education. Students may pursue more than one additional certification.

- Health Education Minor (p. 1656)
- Adapted Physical Education Minor (p. 1655)

CONTINUATION REQUIREMENT: DEPARTMENT OF KINESIOLOGY

All students admitted to undergraduate programs in the Department of Kinesiology, including Physical Education, must maintain a cumulative grade point average (GPA) of at least 2.75, based on all UW–Madison campus course work. Consult the School of Education's Academic Policies and Procedures (p.) for additional information about the continuation requirement.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Based on UW–Madison coursework.

- 2.75 cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- 2.75 cumulative grade point average across all professional education courses (excluding practicum and student teaching).
- 2.75 cumulative grade point average in the major.
- A minimum of 120 credits.
- Major residency: Degree candidates must complete at least 15 credits of upper-level major coursework (numbered 300–699) in residence on the UW–Madison campus.
- Senior residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus. Student teaching and practicum are considered part of the 30 credits.

DEGREE AUDIT (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

ADDITIONAL CERTIFICATION REQUIREMENTS AND APPLYING FOR A LICENSE

In addition to completing UW-Madison's program requirements, students must also complete Wisconsin statutory requirements and certification requirements established by the Wisconsin Department of Public Instruction. Many of these requirements are embedded within the program's requirements and require no additional attention. The endorsement of the program coordinator/faculty is also required to receive certification through UW–Madison.

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license.

Detailed information about certification requirements and applying for a license is available under Certification/Licensure (p. 1678).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Standard 1: Scientific Foundational Knowledge. Physical education candidates demonstrate an understanding of scientific foundations for the delivery of an effective preK-12 physical education program.
2. Standard 2: Physical Education Foundational Knowledge. Physical education candidates demonstrate an understanding of theoretical foundations for the delivery of an effective preK-12 physical education program.
3. Standard 3: Physical Education Content Knowledge. Physical education candidates understand physical education content, concepts and skills associated with the development of a physically educated student.
4. Standard 4: Planning for Instruction. Physical education candidates plan developmentally appropriate learning experiences aligned with local, state and/or SHAPE America National Standards and Grade-Level Outcomes for K-12 Physical Education.
5. Standard 5: Instructional Delivery and Management. Physical education candidates engage students in meaningful learning experiences through effective use of pedagogical skills. They use communication, feedback, and instructional and managerial skills to enhance student learning.
6. Standard 6: Assessment of Student Learning. Physical education candidates select and implement appropriate assessments to monitor students’ progress and guide decision making related to instruction and learning that do not marginalize students.
7. Standard 7: Technology. Physical education candidates select and implement a variety of technologies to enhance learning, as well as personal and professional productivity.
8. Standard 8: Social-Emotional Learning and Trauma Based Practices. Physical education candidates understand and utilize a variety of practices critical to SEL and positive mental health outcomes.
9. Standard 9: Professional Responsibility. Physical education candidates demonstrate behaviors essential to becoming effective professionals.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Physical Education – Sample Four-Year Plan

This sample four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with your academic advisor(s) to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
KINES 121	2	KINES 116	2
Communication A	3	CHEM 108	5
POLI SCI 104	4	MATH 112 (Also meets Quantitative Reasoning A)	3
Liberal Studies coursework	6	Liberal Studies coursework	3
		General Electives	2
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
KINES 325	3	KINES 315 (Also meets Quantitative Reasoning Part B)	3
ED PSYCH 301	3	KINES 316	3
Liberal Studies coursework	6	KINES 327	1
General Elective	4	ANAT&PHY 337	3
		General Electives	5
	16		**15**

Junior

Fall	Credits	Spring	Credits
KINES 308	2	KINES 372	4
KINES 353 (Also meets Communication Part B)	3	ANAT&PHY 235	4
KINES 361	3	Liberal Studies coursework	3
General Electives	7	General Electives	5
	15		**16**

Senior

Fall	Credits	Spring	Credits
KINES 314	4	KINES/CURRIC 478	6
KINES 373	4	KINES/CURRIC 479	6
ED POL/HISTORY 412 (Also meets U.S./ European History)	3		
General Electives	5		
	16		**12**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

PHYSICAL EDUCATION ADVISING

Prospective off-campus and on-campus physical education students will meet with Dan Timm in the Department of Kinesiology. Students considering physical education should schedule an appointment with Dr. Timm, dtimm@education.wisc.edu as soon as possible. Pre-declaration advising is conducted by the Department of Kinesiology and staff in the School of Education Student Services office, see below.

Students with either a pre-certification (PED) or certification (BSPE) classification are required to meet with their department advisor at least once per semester. Mandatory advising meetings are conducted every semester, just before enrollment begins for the following semester.

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

PHYSICAL EDUCATION AND THE WISCONSIN EXPERIENCE

On-Campus Activities and Experiences

Homeschool Physical Education

Physical Education students in an Elementary PE methods course provide an eight-week physical education program for local homeschool students. This experience is a win-win for both groups, as PE students practice their teaching skills while homeschool students get the vital motor and social skill development they need.

Smartphone App Development

Physical education staff and students recently partnered with experts in academic technology to create a smartphone app, "EnCourage." The app provides hundreds of team-building activities for use by teachers, coaches, and anyone trying to develop teamwork with groups. Its development was one of the School of Education Innovation Projects, "Social and Emotional Learning in Physical Education."

Participation in the Virginia Horne Henry PE History Project

Current students met with physical education alumni to share stories, learn about the rich program history, and establish new traditions to enhance the program.

Partnering with the Campus Recreation Program to Train Officials

Students in KINES 373 Methods and Practicum of Teaching 6-12 Physical Education, developed training modules for the RecWell employees (UW students) who serve as officials for the intramural sports.

UW-Madison Science Expeditions Presentation
Students and staff in the physical education program set up a station at this campus-wide open house where youngsters could test the speed of their overhand throw, receive feedback from the physical education students, and increase their throwing speed.

Youth Coaches Workshop
Through PLACE, physical education students helped to design a summer workshop to help area youth coaches incorporate teamwork into their practice sessions.

Guest Speakers
Past guest speakers in physical education classes have included Brett Fuller, retired Health and Physical Education Curriculum Director for Milwaukee Public Schools, and Chris Munson, an enrolled member of the Oneida Nation.

Off-Campus Activities and Experience
Team Building Activities
In KINES 325 Group Development and Behavior Management, students develop and plan team-building activities. The students then visit a local elementary school to teach these activities and help students develop positive social and emotional skills.

Teaching in Area Schools
Students in physical education methods courses provide physical education and social skill development in area schools.

Partnering with Boys & Girls Club of Dane County
Physical education students and staff provide training on the implementation of social and emotional learning for after-school staff.

Boys & Girls Clubs of Dane County Thanksgiving Baskets
Students from the physical education program create games that students can play in their homes over the Thanksgiving holiday. The activities are included in the Thanksgiving baskets delivered to over 500 homes in the Dane county area. In addition, students visit the Boys & Girls Club sites, pack the baskets, and hand them out on the day before Thanksgiving. Who wouldn't want to play "Reverse Pig Trash Ball?"

Volunteer Experiences
- Camp Courageous Counselor - Students in the Adapted Physical Education program volunteer for the weekend as camp counselors working one on one with campers with disabilities at camp. They provide activities like a scavenger hunt, support in the pool for aquatic activities, and other adventures such as ziplining with their camper.
- Students are also volunteering with the Adapted Sports Program at Sun Prairie Area School District, assisting in numerous capacities.

Multicultural Field Experience
As part of KINES 353 Health and Physical Education in a Multicultural Society, students complete the Multicultural Field Experience, in which they work with individuals from a cultural background different than their own. Placements for the MFE have included assisting teachers in school health or physical education classes, or volunteering with an after-school program through Madison School and Community Recreation or a community organization.

Additional Activities and Accomplishments
Student Organizations and Memberships
Students have organized the local Physical Education Club on campus and have memberships with Wisconsin Health and Physical Education and the Society of Health and Physical Educators.

Additional Certifications
In addition to the Physical Education major, most students also complete the Adapted Physical Education minor and/or the Health Education minor.

Leadership Positions - Wisconsin Health and Physical Education
Several students have served as Future Professionals President and Vice President with Wisconsin Health and Physical Education (WHPE). They have also served as Future Professionals Secretary and Treasurer; additionally they have served as the Future Professionals representative on the Leadership Council for the Midwest District of the Society of Health and Physical Educators, the parent body of the WHPE association.

Professional Presentations and Workshops
Students are active participants as presenters at the Wisconsin Health and Physical Education Convention, Best Practices in Health and Physical Education Conference, Society of Health and Physical Educators Convention, and the UW–Madison Undergraduate Symposium. Students also participated in Society for Public Health Education/CDC sponsored Skills-Based Health Education Workshop implemented by Health Education faculty and students last spring. Another student was involved with the Our Wisconsin inclusion education program at UW–Madison.

EsTEam First Year Teacher Program
Physical education staff partner with selected first-year alums to help them incorporate social and emotional learning across their physical education curriculum.

Study Abroad Courses
In the summer of 2023, the Department of Kinesiology began offering summer, study-abroad courses.

- Team Building in Costa Rica was designed to enhance the group development skills of its participants while engaging in activities such as white-water rafting, ziplining, and hiking. It combined a very successful kinesiology course, KINES 325 Group Development and Behavior Management, with a unique cultural opportunity in Costa Rica. Each day provides opportunities to not only explore the Pura Vida (Pure Life) of Costa Rica but also to engage in personal reflection. Participants experience the process of growing together as a community and develop skills to create lasting communities in their personal and professional lives. Students earn credit for KINES 325, a required course in the physical education program.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE
ADDITIONAL CERTIFICATION REQUIREMENTS
Students interested in certification must, in addition to completing UW–Madison's program requirements, also complete Wisconsin statutory requirements related to teacher education and certification requirements established by the Wisconsin Department of Public Instruction. Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. For

additional certification requirements and information about applying for a license, see the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/current-students/).

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

PROMOTING ACTIVITY FOR DIVERSE ABILITIES, CERTIFICATE

Are you looking for a great way to gain knowledge and hands-on experience that prepares you for a career in the fields of healthcare, education, fitness, public health, and corporate wellness?

If you answered "yes," the Promoting Activity for Diverse Abilities (PADA) Certificate – offered through the Department of Kinesiology – is the perfect blend of coursework and experiential learning. Students who have completed the PADA Certificate go on to graduate programs and careers in occupational or physical therapy, speech-language pathology, medicine, nursing, dentistry, counseling, special education, and many other exciting and challenging fields.

The PADA certificate will prepare you with the knowledge and skills to safely promote inclusive physical activities to improve the health and well-being of individuals with disabilities. Plus, you'll have an opportunity to gain hands-on experience in the Adapted Fitness Program, (https://kinesiology.education.wisc.edu/academics/certificates/adapted-fitness-and-personal-training/) which is one of UW's most sought-after volunteer experiences. Located on campus, Adapted Fitness offers physical activities and exercise training to community-dwelling clients and youth with a wide range of diverse abilities. Students who pursue the PADA certificate receive priority placement for volunteer positions in Adapted Fitness.

HOW TO GET IN

HOW TO GET IN

The SoE's Undergraduate Academic Advising Services will administer the process that students will use to declare enrollment in the certificate. Students declaring in the Certificate must have a minimum grade point average of 2.50 to be eligible for the certificate to align with the School of Education's requirement for good academic standing. Students intending to complete the Promoting Activity for Diverse Abilities Certificate should visit the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page to complete the declaration form.

Students declared in the Physical Education BS may not declare the Certificate in Promoting Activity for Diverse Abilities.

REQUIREMENTS

REQUIREMENTS

Students must complete a minimum of 16 total credits. The 10-11 credits of core courses will provide the foundation content and instruction needed to be successful in subsequent certificate courses and will provide an upper-level course focusing on application and mastering knowledge. Students will also complete 5-6 credits of breadth elective courses that span the departments of Kinesiology, Rehabilitation Psychology and Special Education, Dance, and Communication Sciences and Disorders. Breadth courses give students from a wide array of backgrounds and majors to select courses that will be applicable to a variety of diverse career interests or the students will also have the ability to choose courses in a more narrowed and detailed focus. Allowing for a set of focused elective choices or range of elective topic areas will be a benefit and a draw to students pursuing a variety of career paths.

Certificate students must earn a minimum grade point average of 2.5 on required certificate coursework. At least 8 credits must be taken in residence.

CORE COURSES

Complete 10-11 credits from the following:

Code	Title	Credits
KINES 225	Introduction to Physical Activity Programming for Diverse Abilities	2
KINES 227	Introduction to Clinical Anatomy of Human Movement	2-3
or ANAT&PHY 337	Human Anatomy	
KINES 516	Physical Activity for Diverse Abilities	3
RP & SE 300	Individuals with Disabilities	3

BREADTH ELECTIVE COURSES

Complete 5-6 credits from the following:

Code	Title	Credits
CS&D 110	Introduction to Communicative Disorders	3
CS&D 210	Neural Basis of Communication	3
CS&D 424	Sign Language I	2
DANCE 231	Introduction to Dance/Movement Therapy	3
DANCE 232	Introduction to Dynamics of Dance Therapy	3
DANCE 331	Dynamics of Dance Therapy	3
KINES 100	Exercise, Nutrition, and Health	2
KINES 150	Foundations of Health Behavior and Health Equity	3
KINES 260	Inclusive Physical Activity, Sport & Rehabilitation in Ireland	3
KINES 360	Lifespan Motor Development	3
KINES 540	Diversity in Health and Physical Activity Settings	3
RP & SE 330	Behavior Analysis: Applications to Persons with Disabilities	3
RP & SE 466	Diversity in Special Education	3

CERTIFICATE COMPLETION REQUIREMENTS

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate the ability to increase healthy behaviors and safe activities for persons with diverse abilities.
2. Obtain the skills and knowledge to encourage, empower, and prescribe activity for people who exhibit a wide array of disabling conditions.
3. Identify, create and expand opportunities where larger organizations can create more accessible physical activity programs for those who exhibit diverse abilities.
4. Develop practical skills and knowledge to modify and or adapt activities to minimize the effects of disabling conditions and maximize healthy movement opportunities.

REHABILITATION PSYCHOLOGY AND SPECIAL EDUCATION

The Department of Rehabilitation Psychology and Special Education is dedicated to enhancing the lives of individuals with disabilities and their families. As the only department on campus solely focused on this mission, it prepares students to advocate for the full inclusion of people with disabilities across the lifespan.

The undergraduate programs in Rehabilitation Psychology and Special Education equip students with the knowledge, skills, and experience necessary to support individuals with disabilities across various settings—whether in schools, workplaces, or community-based environments.

The department offers the following undergraduate programs:

- Rehabilitation Psychology (p. 1689) (pre-professional track)
- Special Education (p. 1694), with certification options for:
  - Kindergarten-Grade 12 (p. 1704)
  - Birth-Grade 3 (p. 1701)
  - Birth-Grade 12 (p. 1702)
- Elementary Education and Special Education (p. 1681) - a joint program with the Department of Curriculum and Instruction, leading to certifications in both Special Education (K-12) and Elementary Education (K-9)

Additionally, the department offers a Disability Rights and Services Certificate (p. 1680), available to students pursuing other majors across campus.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Disability Rights and Services, Certificate (p. 1680)
- Elementary Education and Special Education, BSE (p. 1681)
- Rehabilitation Psychology, BS (p. 1689)
- Special Education, BSE (p. 1694)

DISABILITY RIGHTS AND SERVICES, CERTIFICATE

The Department of Rehabilitation Psychology and Special Education's primary mission is to improve the lives of individuals with disabilities. The Disability Rights and Services Certificate equips undergraduate students with the knowledge, skills, and attitudes needed to support this mission. Upon completion, students will be prepared to advocate for the equity and inclusion of individuals with disabilities in their academic fields and future careers.

This certificate is particularly popular among pre-health students who seek to gain valuable knowledge and skills related to supporting individuals with disabilities. It also serves as an excellent option for students considering

graduate studies in education, offering exposure to special education coursework.

STUDY ABROAD OPPORTUNITY

The Department of Rehabilitation Psychology and Special Education offers a short-term, faculty-led, summer study abroad course, Disability Rights and Access in Australia (https://studyabroad.wisc.edu/program/?programId=330353), which can be counted as an elective for the certificate.

HOW TO GET IN

HOW TO GET IN

Students intending to complete the Disability Rights and Services Certificate will find the declaration form on the School of Education's Certificate Programs (https://education.wisc.edu/academics/certificates/) page. The declaration for this certificate program can be submitted at any time during the calendar year.

Please note, students completing a major in Rehabilitation Psychology, Special Education, or Elementary Education and Special Education are not eligible to complete this certificate.

REQUIREMENTS

REQUIREMENTS

Complete a minimum of 12 credits to include at least 6 credits in residence. Completion of the certificate requires a minimum GPA of 2.5 in certificate coursework.

Code	Title	Credits
Required courses		
RP & SE 100	Disability and Society	3
RP & SE 300	Individuals with Disabilities	3
Specialization courses		**6**
RP & SE 121	Disability and Substance Abuse	
RP & SE 125	Health and Rehabilitation Professions	
RP & SE/ LEGAL ST 135	Disability and the Criminal Justice System	
RP & SE 200	Issues in Special Education (only offered as a FIG course)	
RP & SE 210	The Disability Experience (only offered as a FIG course)	
RP & SE 310	Positive Psychology and Well Being	
RP & SE 311	International Perspectives on Disability in Australia	
RP & SE/ COM ARTS/ JOURN 312	Disability and the Media	
RP & SE 330	Behavior Analysis: Applications to Persons with Disabilities	
RP & SE 435	Overview of Early Childhood Special Education	
RP & SE 466	Diversity in Special Education	
RP & SE 500	Rehabilitation-Counseling Psychology: Foundations	
RP & SE 505	Biological, Psychosocial, and Vocational Aspects of Disabilities	
RP & SE 510	Partnering with Families and Other Professionals in Early Childhood Special Education	
Total Credits		**12**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Identify and analyze societal barriers and supports that affect the lives of people with disabilities.
2. Explore the societal aspects of disabilities, including the culture of disabilities, attitudes toward persons with disabilities, and quality of life issues.
3. Evaluate current approaches, advocacy efforts, and proposed solutions for overcoming barriers experienced by people with disabilities.
4. Use disability as a lens through which to examine broader aspects of history and culture, including power, discrimination, social stigma, social and political activism, media representations, re-appropriation, identity, intersectionality, education, work, and design.

ELEMENTARY EDUCATION AND SPECIAL EDUCATION, BSE

The Elementary Education and Special Education (EESE) program is a unique opportunity for students to pursue licensure in both Elementary Education and Special Education. Successful graduates of the program are certified in general education at the grade levels of K-9 (including eligibility for 4K), and Special Education in grades K-12 (through age 21). Students graduate to a wide range of opportunities in both general and special education classrooms.

The Department of Rehabilitation Psychology and Special Education has a long-standing mission of preparing future leaders who actively improve the lives of people with disabilities. The EESE program is designed to prepare future educators who will promote equity, inclusivity, and accessibility within both general and special education classrooms. Graduates of this program are equipped to create inclusive learning environments where they will holistically identify and address biases and barriers to learning, and strive to meet the needs of all students.

The Elementary Education and Special Education program is a rigorous four-semester course sequence that includes coursework, practicum, and student teaching experiences. Courses include teaching methods in general education classrooms, implementing instructional strategies for

helping students with a variety of abilities succeed, creating individualized education programs, as well as assessing learning needs in all core academic areas.

In addition to coursework, students will have hands-on practical experiences in both general and special education classrooms across a range of ages. Students are placed in one general education practicum and student teaching placement along with one special education practicum and student teaching placement, providing them with all the practical experience they need to successfully teach in a K-9 general education classroom or K-12 special education classroom. Students will learn to effectively work with a diverse student population and to create learning environments that foster academic success and social-emotional development for all students.

THE TEACHER PLEDGE

The School of Education at UW–Madison currently offers a unique financial opportunity for students in the Elementary Education and Special Education program called The Teacher Pledge (https://tec.education.wisc.edu/teacher-pledge/). The school pledges to pay the equivalent of in-state tuition and fees for all teacher education students. In return, students pledge to work at a Wisconsin PreK-12 school for three to four years after graduation.

MADISON COLLEGE TRANSFER AGREEMENT

Madison College students should also investigate the transfer agreement (https://tec.education.wisc.edu/become-a-teacher/uw-madison-school-of-education-transfer-agreement/) between Madison College and UW–Madison. Students meeting the requirements of this agreement are guaranteed admission to UW–Madison's School of Education and to Special Education.

HOW TO GET IN

HOW TO GET IN

ELEMENTARY EDUCATION AND SPECIAL EDUCATION (EESE) DECLARATION OVERVIEW

Students typically enter UW–Madison as Pre-Elementary Education and Special Education students (PEED designation) and spend the first two years completing liberal studies, general education, and some professional education requirements. EESE is declared during the sophomore year for the final two years on campus.

On-campus students starting at UW-Madison in other majors can move to Pre-Elementary Education and Special Education by completing a Pre-Professional Declaration (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A GPA of 2.5, based on all UW–Madison coursework or the last 60 credits (p. 1494), is required to transfer into Pre-Elementary Education and Special Education. It is not necessary to be a Pre-Elementary Education and Special Education student before declaring the major.

Note: Students cannot complete the Certificate in Disability Rights and Services, Elementary Education, or Special Education in conjunction with this program.

ELIGIBILITY TO DECLARE ELEMENTARY EDUCATION AND SPECIAL EDUCATION

EESE currently accepts declarations once a year, usually from December 1 – February 1. This period may be extended if additional spaces are available after the initial deadline. The on-campus declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page, along with information about the declaration period, deadline, and current eligibility requirements. Students should consult this site prior to submitting a declaration, as this information may be modified from one declaration year to the next.

Off-campus students wishing to transfer directly into Elementary Education and Special Education should complete the on-campus declaration and must also be admitted to UW-Madison. See Transfer Students and Students with a Previous Degree, below.

Current Eligibility Requirements

- Complete at least 40 transferable college-level credits by the end of the fall semester of the declaration year.
- Successfully complete RP & SE 300 Individuals with Disabilities by the end of the summer of the declaration year.
- Earn a minimum 2.5 grade point average (GPA) on a 4.0 scale on all transferable college-level coursework attempted.[1]
- Submit all program declaration form(s), transcripts, and other related declaration materials by the deadline specified on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page.

[1] Last 60 Credits Rule - Two grade point averages may be calculated to determine a candidate's eligibility to declare. A GPA may be calculated using (1) UW-Madison and all other all transferable college level coursework attempted and (2) the last 60 credits attempted. The higher GPA of these two calculations will be used for determining eligibility. Once declared, students must earn a semester GPA of 2.75 each semester after declaration. More information on this rule is available here (p. 1494).

TRANSFER STUDENTS AND STUDENTS WITH A PREVIOUS DEGREE

Transfer students and students who already hold a bachelor's degree must be admitted to UW-Madison to enroll in a School of Education program. Admission to the campus has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for campus application information.

Students wishing to enter directly into Elementary Education and Special Education should complete both the on-campus declaration and the UW-Madison application. All eligibility requirements must be met. Transfers who do not meet the declaration eligibility criteria will be admitted to UW-Madison with the Pre-Elementary Education and Special Education designation.

An applicant with a previous undergraduate degree will be admitted to EESE as a second degree candidate or as a School of Education "Special Student," depending on their academic background.

Second degree candidates in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first. A large number of credits are usually required to complete the new degree requirements and a second degree is awarded upon its

completion; more information is available here (p. 1494). Most applicants to EESE will be second degree candidates.

In rare cases a student may be admitted as an Education Special Student. Admission with this designation indicates that they have an interest in pursuing teacher certification in Elementary Education and Special Education and have already studied this subject area extensively during their initial degree. A student enrolls as an Education Special Student to complete the requirements that were not taken during the first degree; these are assessed on a case by case basis. Another degree is not awarded for this "certification only" coursework.

All off-campus students are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations are available in person, virtually, or via telephone; email studentservices@education.wisc.edu or call 608-262-1651 to schedule an appointment.

BACKGROUND CHECKS

Pursuant to State of Wisconsin law PI 34.018(2), the School of Education is required to administer a background check on all students entering teacher education programs. This check is intended to determine if the applicant has engaged in any behavior that endangers the health, welfare, safety, or education of PK-12 pupils. Local school districts frequently conduct background checks on teacher education students prior to the start of their in-classroom field work, and the Department of Public Instruction (DPI) will also conduct a background check on each applicant for a Wisconsin educator license.

Students should be aware that background checks may be initiated by other agencies or organizations when they are seeking employment or a professional license. School administrators have the authority to determine the appropriateness of a student placement and may choose not to permit a placement based on a student's background check results.

An individual who has been deemed ineligible to participate in field or clinical experiences based on the results of their background check may not be able to complete the requirements for their degree or certification. Students with questions about these processes should contact the Teacher Education Center, tec@education.wisc.edu.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science

- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Elementary Education and Special Education program has four primary components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Professional education* coursework includes an examination of the schools' relationship to our society and the processes by which students grow and learn.
- *Core Requirements* offer an in-depth study of Elementary Education and Special Education, including a four-semester *professional sequence* of teaching methods coursework and field experience in schools. This sequence is designed so that students can complete the program in four years.
- *Elective* coursework is taken to reach the required minimum of 120 credits.

The Elementary Education and Special Education major requires 70 credits of professional coursework in addition to other degree requirements. RP & SE 300 Individuals with Disabilities must also be completed prior to beginning the professional sequence.

INDIVIDUALS WITH DISABILITIES – PREREQUISITE FOR PROGRAM ADMISSION

This course must be completed by the end of the summer of the application year, before beginning the professional course sequence.

Code	Title	Credits
RP & SE 300	Individuals with Disabilities	3

PROFESSIONAL SEQUENCE

The professional coursework was designed to be completed in four semesters, starting in the fall after admission to the program. Each semester of the sequence must be followed sequentially and taken in consecutive semesters unless a modification is approved. Most classes must be taken during specified semesters, while other requirements may be completed prior to beginning the sequence.

Code	Title	Credits
Semester 1 (Fall)		
CURRIC 319	Pedagogical Content Knowledge for Teaching Elementary Mathematics 1 [1]	3
CURRIC/ RP & SE 406	Race, Intersectionality, and Equity in Education [1]	3
RP & SE 320	Introduction to Teaching in Special Education	3
RP & SE 465	Language and Reading Instruction for Students with Disabilities	3
CURRIC 550	Methods, Materials and Activities in Early Childhood Education	3
RP & SE 605	Development, Learning and Education Foundations in Special Education [1]	3
Semester 2 (Spring)		
CURRIC 320	Pedagogical Content Knowledge for Teaching Elementary Mathematics 2 [1]	3
RP & SE 464	Diagnosis, Assessment, and Instructional Planning in Special Education	3
RP & SE 466	Diversity in Special Education	3
RP & SE 472	Methods in Transition and Vocational Education	3
RP & SE 473	Classroom Management for Inclusive Classrooms	3
RP & SE 480	Practicum in Teaching Literacy: Secondary Special Education (Grades 4-12)	3
Semester 3 (Fall)		
CURRIC 347	The Teaching of Writing and Other Language Arts	3
RP & SE/ CURRIC 365	Teaching Mathematics in Inclusive Settings	3
CURRIC 371	Teaching Social Studies	3
CURRIC 372	Teaching Science	3
RP & SE 515	Access to the General Curriculum for Students with Disabilities	3
CURRIC 373	Elementary Teaching Practicum III	3
Semester 4 (Spring)		
CURRIC 463	Seminar in Elementary Education	1
CURRIC 464	Student Teaching in the Elementary School	7
RP & SE 457	Elementary Student Teaching Seminar - Elementary/Special Education Dual Major	1
RP & SE 477	Special Education Student Teaching: Elementary (PK - Grade 9)	7
Total Credits		**70**

[1] May be taken before semester 1 of the professional sequence, including prior to program admission.
A minimum of 120 credits is still required to complete the degree.

CONTENT AREA MINOR (OPTIONAL REQUIREMENT)

Students may elect to complete a minor in one of the following content areas. Minors provide a depth of study in a particular area of interest and also inform classroom instruction. Upon completion, the minor will be

posted on the UW-Madison transcript, but students will not receive an additional certification in the subject area. The Wisconsin Department of Public Instruction no longer offers content licenses in association with the K-9 educator license.

The completion of a minor is required to teach middle school licensing in some states and may benefit students particularly interested in teaching at this level. See the links below for the requirements of each minor.

Minor Options

- **Biology (p. 1557)**
- **Chemistry (p. 1558)**
- **Earth Science (p. 1565)**
- **Economics (p. 1566)**
- **English (p. 1580)**
- **English Language Arts (p. 1578)**
- **Geography (p. 1582)**
- **History (p. 1584)**
- **Mathematics (p. 1591)**
- **Mathematics and Science Dual (p. 1588)**
- **Mathematics Specialized (p. 1591)**
- **Physics (p. 1592)**
- **Political Science (p. 1592)**
- **Psychology (p. 1597)**
- **Science Specialized (p. 1597)**
- **Social Studies (p. 1598)**
- **Sociology (p. 1607)**

ELECTIVE COURSEWORK

Complete additional courses as necessary to reach the minimum of 120 credits required for the degree.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Requirements below are based on UW–Madison coursework.

- 2.75 cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average across all professional education courses (excluding practicum and student teaching).
- 2.75 cumulative grade point average in the major.
- 2.75 cumulative grade point average in the minor, if required.
- Minimum 120 credits (degree candidates only).
- Major residency: Degree candidates must complete at least 15 credits of upper-level major coursework (numbered 300–699) in residence on the UW–Madison campus.
- Senior residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus. Student teaching and practicum are considered part of the 30 credits.

DEGREE AUDIT REPORTING SYSTEM (DARS)

UW–Madison uses "DARS" to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar's website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

ADDITIONAL CERTIFICATION REQUIREMENTS AND APPLYING FOR A LICENSE

In addition to completing UW–Madison's program requirements, students must also complete Wisconsin statutory requirements and certification requirements established by the Wisconsin Department of Public Instruction. Many of these requirements are embedded within the program's requirements and require no additional attention. The endorsement of the program coordinator/faculty is also required to receive certification through UW–Madison.

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license.

Detailed information about certification requirements and applying for a license is available under Certification/Licensure. (https://guide.wisc.edu/undergraduate/education/curriculum-instruction/elementary-bse/#certificationlicensuretext)

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Use knowledge of learners and human development to create responsive, inclusive, and respectful learning activities and environments that maximize learners' cognitive, linguistic, social, emotional, and physical development.
2. Use knowledge of learners, contexts, disciplines, pedagogies, and standards to plan and adjust developmentally appropriate and challenging learning activities and assessments.
3. Use knowledge of learners, contexts, disciples, pedagogies, and standards to implement planned and unplanned developmentally appropriate, challenging, and learner-responsive learning activities and maintain safe, inclusive, and respectful learning environments.
4. Create and implement meaningful assessments and use assessment results to inform instruction, communicate with parents and others, and provide feedback to learners to guide their future performance and learning.
5. Exhibit professionalism and adhere to ethical practices as they continue their own development and collaborate with others to improve their profession, school communities, and outcomes for students and families.
6. Use studies completed in science and mathematics, social sciences, the humanities, histories, languages, and the arts to inform and deepen their teaching of content areas and meeting learners' needs.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report and Course Search and Enroll to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
Liberal Studies course work	9-12	Quantitative Reasoning A	3
		RP & SE 300	3
		Liberal Studies course work	5-8
	12		**14**

Sophomore

Fall	Credits	Spring	Credits
Quantitative Reasoning B	3	Liberal Studies course work	7
Ethnic Studies	3	Liberal Studies or General Elective course work	5
Liberal Studies course work	6		
	12		**12**

Junior

Fall	Credits	Spring	Credits
CURRIC 319[1]	3	CURRIC 320[1]	3
CURRIC/RP & SE 406[1]	3	RP & SE 464	3
RP & SE 465	3	RP & SE 466	3
CURRIC 550	3	RP & SE 472	3
RP & SE 320	3	RP & SE 473	3
RP & SE 605[1]	3	RP & SE 480	3
	18		**18**

Senior

Fall	Credits	Spring	Credits
CURRIC 347	3	CURRIC 463	1
RP & SE/CURRIC 365	3	CURRIC 464	7
CURRIC 371	3	RP & SE 457	1
CURRIC 372	3	RP & SE 477	7
RP & SE 515	3		
CURRIC 373	3		
	18		**16**

Total Credits 120

[1] May be taken before semester 1 of the professional sequence, including prior to program admission.
A minimum of 120 credits is still required to complete the degree.

ADVISING AND CAREERS

ADVISING AND CAREERS

ELEMENTARY EDUCATION AND SPECIAL EDUCATION (EESE) ADVISING

Students not yet admitted to EESE meet with their assigned advisor in the School of Education Student Services office (see below). Students are assigned an additional departmental advisor when admitted to the professional component of their degree program.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/

academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

ELEMENTARY EDUCATION AND SPECIAL EDUCATION (EESE) AND THE WISCONSIN EXPERIENCE

Community-Based Learning

RP & SE 300 Individuals with Disabilities offers a field-based experience where students work directly or indirectly with individuals with disabilities. Each year, hundreds of students are placed in various community settings across Madison. This experience provides students with valuable, first-hand knowledge of the services and contributions made to support individuals with disabilities, encouraging learning beyond the traditional classroom. These real-world experiences allow students to better understand the community and its needs, extending their education beyond textbooks and lectures.

Learning from Current Practitioners

Teacher candidates in the elementary education and special education programs gain extensive field experience in schools, culminating in a full-time student teaching assignment alongside a cooperating teacher. The strong partnership between the teacher candidate, their field supervisor, and the cooperating teacher in Madison-area schools ensures robust support from day one. Many graduates are offered teaching positions by the schools where they completed their fieldwork.

Guest Speakers

Guest speakers contribute to learning in many EESE courses, providing insights into the daily lives of individuals with disabilities and discussing the range of community organizations that support and advocate for them. Through these interactions, students gain a better understanding of how these organizations operate and their broader social impact.

Additionally, a wide range of guest speakers participate in Special Education practicum and student teaching seminars. These guests may include school district personnel, parents and family members, teachers, and individuals with disabilities.

Field Experiences

Students in the EESE program engage in multiple field experiences in K-12 schools, culminating in a full-time student teaching assignment. These experiences allow students to apply their classroom learning in real-world educational settings, enhancing their professional development and deepening their learning beyond the classroom.

Partnering with Community Organizations

The EESE team collaborates with local organizations to assist with food delivery and support families in need. Students also volunteer with organizations like Special Olympics, Camp Kesem, and Girls on the Run, which empowers girls of all abilities to build social, emotional, and physical skills. These volunteer opportunities give students the chance to engage with diverse community experiences, extending their learning beyond

academics and encouraging personal growth through service and active involvement.

Community Employment

The Department of Rehabilitation Psychology and Special Education has strong connections with the community. Students in the department often find both paid and volunteer opportunities in school and community organizations that serve children with disabilities and their families. Examples include the Schools of Hope Tutoring Program, Madison School and Community Recreation, and Gio's Garden.

Field Trips

While completing field experiences, students enjoy trips to places in the Madison community, such as the Madison Children's Museum (https://madisonchildrensmuseum.org/), Madison Public Library's Play Lab (https://www.madisonpubliclibrary.org/spaces/playlab/), Allen Centennial Garden (https://allencentennialgarden.wisc.edu/), Centro Hispano (https://www.micentro.org/), and the Madison Literacy Network (https://www.litnetwork.org/). These outings offer diverse learning opportunities outside the classroom, fostering new perspectives and deepening their understanding of the community they serve. The trips also encourage students to take initiative in discovering more about the world around them.

Study Abroad

We encourage students to explore different cultures and educational systems through study abroad opportunities. If a full semester or year-long program is not feasible, the School of Education offers several short-term, faculty-led, study abroad programs. These experiences give students a global perspective, expanding their educational journey beyond local or traditional settings.

Clubs and Organizations

EESE students have numerous opportunities to join campus organizations, such as Aspiring Educators of Wisconsin and Game Design and Development. These clubs provide students with additional avenues to connect with like-minded peers, develop practical skills, and deepen their understanding of their field. By independently selecting activities that align with their personal interests and goals, students enhance their educational experience and foster a well-rounded Wisconsin Experience.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ADDITIONAL CERTIFICATION REQUIREMENTS

Students interested in certification must, in addition to completing UW–Madison's program requirements, also complete Wisconsin statutory requirements related to teacher education and certification requirements established by the Wisconsin Department of Public Instruction. Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. For additional certification requirements and information about applying for a license, see the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/current-students/).

APPLYING FOR A TEACHING LICENSE

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Students intending to complete a teacher certification program should monitor program requirements carefully. The Wisconsin Department of Public Instruction (DPI) periodically implements regulations that affect all certification programs; teacher certification candidates are responsible for having up-to-date information about certification requirements.

Licensing Levels

The following undergraduate teacher licensing options are offered at UW–Madison.

- The core Elementary Education licensing level will be Kindergarten through Grade 9. Early Childhood, and English as a Second Language Kindergarten through Grade 12, can be added to the K-9 option.
- Special Education will offer licensing at the Early Childhood level, Kindergarten through Grade 12 level, and a program option that licenses in both Early Childhood Special Education and K-12 Special Education.
- The new Elementary Education and Special Education degree certifies students in both Special Education Kindergarten through Grade 12 and Elementary Education Kindergarten through Grade 9.
- Students in special fields such as Art, Music, and Physical Education will be licensed at the Kindergarten through Grade 12 level.
- Health licenses at the Kindergarten through Grade 12 level.

Wisconsin State Licensing

The State of Wisconsin issues an initial teaching license to certified teachers. The current fee is $125. An online license application is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/elo/). A background check will also be conducted by DPI. Information about fingerprint submission, when necessary, is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/licensing/fingerprint/electronic-submission/).

Before applying for a license, DPI requires the electronic submission of "Endorsed Candidate for Licensure" (ECL) data by the certifying officer of the institution where the teacher preparation was completed. For UW–Madison teacher certification students the endorsement will come from the School of Education, L139 Education Building, 1000 Bascom Mall. Once this information has been submitted to DPI, students are notified by email that they may begin the application online.

Before endorsing a student, UW–Madison requires that

- all certification requirements are met;
- student teaching (following the school district calendar) is completed;
- final grades are posted and reviewed;
- the degree is posted (https://registrar.wisc.edu/posting-of-degrees/) by the Registrar's Office (which can take up to four to six weeks after the degree conferral date); and
- a recommendation for certification is received from the program faculty.

The Wisconsin Department of Public Instruction may require an additional six to eight weeks for license processing.

Licensing Outside of Wisconsin

To apply for a license in a state other than Wisconsin, first check out the application requirements of that state. The University of Kentucky has a website (https://education.uky.edu/accreditation/certification/states/) that provides links to teacher licensing agencies in all 50 states, the District of Columbia, and Puerto Rico.

Many states have a verification form that needs to be signed by a UW–Madison certification officer. This form verifies that a state-approved licensing program has been completed. These forms should be sent to the School of Education's Mary T. Kellner Teacher Education Center at L139 Education Building, 1000 Bascom Mall, Madison, WI 53706, or by email (educatorlicensing@education.wisc.edu) to be completed. You must complete your personal information on the form before sending it to the Teacher Education Center. If the form requests information about practicum and student teaching assignments (names of schools, grade levels, dates, etc.), this information must also be completed before sending the form to the Teacher Education Center.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

REHABILITATION PSYCHOLOGY, BS

Rehabilitation Psychology is an academic field designed for students passionate about health and helping professions. Students majoring in Rehabilitation Psychology are dedicated to supporting individuals with chronic illnesses and disabilities, preparing them for careers that improve lives and promote well-being. The curriculum integrates hands-on learning with theoretical knowledge, giving students valuable experience in addressing the real-life challenges faced by individuals with disabilities, as well as the services and supports that can enhance their quality of life.

A standout feature of the program is the required community-based internship, which offers students direct, real-world experience working with individuals with disabilities in a professional setting of their choice. This internship is crucial for helping students gain valuable skills, refine their career goals, and foster connections that often lead to permanent job opportunities. It also serves as an excellent stepping stone for those considering graduate studies.

Upon graduation, students enjoy a wide array of career options. Graduates often pursue roles supporting and advocating for individuals with chronic illnesses and disabilities in the community. Many graduates also continue their education in graduate programs in rehabilitation or mental health counseling, occupational therapy, physical therapy, special education, or other health and human services-related fields.

"I became interested in this program because of my desire to advance health equity and human rights. I am passionate about addressing systemic barriers that impact individuals' access to quality care, particularly for marginalized populations." – Andrew Trampf (read more (https://education.wisc.edu/news/andrew-trampf-from-the-school-of-educations-rehabilitation-psychology-major/?utm_source=Early_AD&utm_medium=email&utm_campaign=RP_majors&utm_id=stu

HOW TO GET IN

HOW TO GET IN

REHABILITATION PSYCHOLOGY DECLARATION

New first-year students and off-campus transfers are admitted directly to the Bachelor of Science–Rehabilitation Psychology degree program.

On-campus students starting at UW-Madison in other majors can declare Rehabilitation Psychology at any time of the year, and at any point in their academic career. First-semester students who have not established a GPA at UW-Madison may declare Rehabilitation Psychology.

Students are strongly encouraged to meet with the department's undergraduate program coordinator or an advisor in the School of Education Student Services office before declaring Rehabilitation Psychology. See the Overview (https://guide.wisc.edu/undergraduate/education/rehabilitation-psychology-special-education/rehabilitation-psychology-bse/) page for contact information.

ELIGIBILITY TO DECLARE REHABILITATION PSYCHOLOGY

The on-campus declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/

academics/undergraduate-students/academic-program-admission/) page, along with other information about current eligibility requirements and deadlines to declare (if any). Students should consult this site prior to submitting a declaration as this information may be modified from one year to the next.

Off-campus students wishing to transfer directly into Rehabilitation Psychology must be admitted to UW-Madison. See Transfer Students and Students with a Bachelor's Degree, below.

Students may not complete both Rehabilitation Psychology and the Certificate in Disability Rights and Services.

Eligibility Requirements:

- Earn a minimum 2.50 cumulative GPA based on all college coursework attempted or a 2.50 last 60 credits GPA by the end of the term prior to the declaration semester. This GPA must be maintained at the end of the declaration semester. [1]

[1] Last 60 Credits Rule - Two grade point averages may be calculated to determine a candidate's eligibility to declare. A GPA may be calculated using (1) UW-Madison and all other all transferable college level coursework attempted and (2) the last 60 credits attempted. The higher GPA of these two calculations will be used for determining eligibility. Once declared, students must earn a semester GPA of 2.50 each semester after declaration. More information on this rule is available here (p. 1494).

Transfer Students and Students with a Previous Degree

Transfer students and second degree candidates (students who already hold a Bachelor's degree) must be admitted to UW-Madison to enroll in a School of Education program. Admission to the campus has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for campus application information.

Second degree candidates in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first. A large number of credits are usually required to complete the new degree requirements and a second undergraduate degree is awarded upon its completion; more information is available here (p. 1494).

All off-campus students are strongly advised to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations with advisors are available in person, virtually, or via telephone; email studentservices@education.wisc.edu or call 608-262-1651 to schedule an appointment.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Bachelor of Science (BS) degree program in Rehabilitation Psychology has four components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Related coursework* comes from departments related to Rehabilitation Psychology—Psychology, Educational Psychology, Sociology, Social Work, and Gender and Women's Studies.
- *Rehabilitation Psychology* coursework offers an in-depth study of working with people with disabilities, including multiple opportunities for supervised field experience. In addition, at least 12 credits of electives in Rehabilitation Psychology are required, giving students some flexibility to tailor the program to their specific interests.
- *Elective* coursework is taken to meet the minimum of 120 credits required for the degree.

RELATED COURSE REQUIREMENTS

PSYCHOLOGY/EDUCATIONAL PSYCHOLOGY

Complete 12 credits selected from Educational Psychology (https://guide.wisc.edu/courses/ed_psych/) and/or Psychology (https://guide.wisc.edu/courses/psych/) to include PSYCH 405 Adult Psychopathology.

SOCIOLOGY/SOCIAL WORK/GENDER AND WOMEN'S STUDIES

Complete 6 credits selected from Sociology (https://guide.wisc.edu/courses/soc/), Social Work (https://guide.wisc.edu/courses/soc_work/), and/or Gender and Women's Studies (https://guide.wisc.edu/courses/gen_ws/). Recommended areas include social disorganization, deviant behavior, alcohol and other drug abuse, community development, and issues in social welfare.

REHABILITATION PSYCHOLOGY COURSE REQUIREMENTS

DIDACTIC CORE

Complete the following 21 credits:

Code	Title	Credits
RP & SE 125	Health and Rehabilitation Professions	3
RP & SE 316	Health Promotion for Individuals with Disability and Chronic Illness	3
RP & SE 325	Self Management of Chronic Illness and Disability	3
RP & SE 500	Rehabilitation-Counseling Psychology: Foundations	3
RP & SE 501	Rehabilitation-Counseling Psychology: Applications	3
RP & SE 505	Biological, Psychosocial, and Vocational Aspects of Disabilities	3
COUN PSY 655	Clinical Communication Skills	3

SUPERVISED FIELD EXPERIENCE

Complete 6 credits of RP & SE 630 Internship in Rehabilitation or Special Education; once in conjunction with RP & SE 501 Rehabilitation-Counseling Psychology: Applications. The remaining 3 credits may be completed in another semester or during the summer.

REHABILITATION PSYCHOLOGY AND SPECIAL EDUCATION ELECTIVES

Complete 12 credits from the following:

Code	Title	Credits
RP & SE 121	Disability and Substance Abuse	3
RP & SE/ LEGAL ST 135	Disability and the Criminal Justice System	3
RP & SE 300	Individuals with Disabilities	3
RP & SE 310	Positive Psychology and Well Being	3
RP & SE 311	International Perspectives on Disability in Australia	3
RP & SE 330	Behavior Analysis: Applications to Persons with Disabilities	3
RP & SE 335	Introduction to Sport Psychology	3
RP & SE 355	Remote Service Provision Strategies for Health and Rehabilitation Providers	3
RP & SE 390	Community Psychiatric Rehabilitation	3
RP & SE 405	Current Topics in Special Education (Related topics only - approval required)	1
RP & SE 520	Case Management and Community Resources	3
RP & SE 535	Introduction to Forensic Rehabilitation	3
RP & SE 630	Internship in Rehabilitation or Special Education (Maximum 3 additional internship credits allowed in electives)	2-3
RP & SE 660	Special Topics (Related topics only - approval required)	3

ELECTIVE COURSEWORK

Complete additional coursework to reach the minimum of 120 credits.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Based on UW–Madison coursework.

- 2.50 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.50 cumulative grade point average in all major coursework. This GPA includes all coursework from the RP & SE department and COUN PSY 655.
- Major Residency. The rehabilitation psychology program requires that students complete 15 credits of the Didactic Core and Supervised Field Experience coursework while in residence on the UW–Madison campus.
- Senior Residency. Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total Credits. A minimum of 120 degree credits are required for graduation.

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UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Analyze complex social issues using skills gained through the study of communication, quantitative reasoning, humanities, social sciences, natural sciences, ethnic studies, history and global issues.
2. Apply knowledge of models and concepts of disability and chronic illness to education, employment, rehabilitation, and healthcare services.
3. Identify basic theories in the field of psychology and recognize the importance of theoretical foundations in psychology for the study of rehabilitation, disability, and health.
4. Develop knowledge of the health and human services delivery systems and demonstrate pre-professional skills in communication, teamwork, problem solving, and ethical issues through engagement with the healthcare and rehabilitation services professional community.
5. Demonstrate the knowledge and skills necessary for graduate study in a variety of health and human service fields related to disability and rehabilitation or for entry-level positions in disability and related human services agencies.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Rehabilitation Psychology: Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests. Consult with an academic

advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
RP & SE 125	3	Ethnic Studies	3
Sociology, Social Work, or Gender and Women's Studies course	3	Quantitative Reasoning A	3
Liberal Studies course work	6-9	PSYCH 202	3
		Liberal Studies course work	3-6
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Sociology, Social Work, or Gender and Women's Studies course	3	PSYCH 405	3
RP & SE Elective	3	RP & SE Elective	3
Quantitative Reasoning B	3	Liberal studies course work	9
Liberal Studies course work	6		
	15		**15**

Junior

Fall	Credits	Spring	Credits
RP & SE 316	3	RP & SE 325	3
RP & SE 500	3	RP & SE 501 (also meets Communication B)	3
COUN PSY 655	3	RP & SE 630	3
Liberal Studies or General Elective course work	6	Liberal Studies or General Elective course work	6
	15		**15**

Senior

Fall	Credits	Spring	Credits
RP & SE 505	3	RP & SE 630	3
RP & SE Elective	3	RP & SE Elective	3
Educational Psychology or Psychology course	3	Educational Psychology or Psychology course	3
Liberal Studies or General Elective course work	6	Liberal Studies or General Elective course work	6
	15		**15**

Total Credits 120

ADVISING AND CAREERS

REHABILITATION PSYCHOLOGY ADVISING

Students not yet admitted to Rehabilitation Psychology meet with their assigned advisor in the School of Education Student Services office, Room 139 Education Building, 1000 Bascom Mall (see below). Students are assigned an additional faculty advisor when admitted to the professional component of their degree program.

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Rehabilitation Psychology Pathways (https://careercenter.education.wisc.edu/explore-career/rehabilitation-psychology-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values — the commitment to the truth, shared participation in decision-making, and service to local and global communities — the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

REHABILITATION PSYCHOLOGY AND THE WISCONSIN EXPERIENCE

Undergraduate Research

Each year, students in the major have the exciting opportunity to engage in hands-on learning beyond the classroom by collaborating with faculty and graduate students on research in rehabilitation psychology. Students may contribute to ongoing research projects or receive guidance as they design and launch their own initiatives. The annual Undergraduate Research Symposium offers students a chance to showcase their work, fostering valuable experience in presenting research to the broader community.

Community-Based Learning

RP & SE 300 Individuals with Disabilities includes a dynamic field-based component where students gain real-world experience working directly with individuals with disabilities. Hundreds of students are placed annually in diverse community settings across the Madison area. This immersive experience helps students gain invaluable, first-hand knowledge of the services provided to individuals with disabilities.

Guest Speakers

The Rehabilitation Psychology major prioritizes hosting guest speakers in the classroom. These experts share their diverse perspectives on the daily experiences of individuals with disabilities. Students also hear directly from the various community organizations that advocate for and support individuals with disabilities.

Internships

Rehabilitation Psychology majors are required to complete 240 hours of internship in the community, giving them the chance to apply classroom knowledge in real-world settings. These internships allow students to immerse themselves in a variety of environments that support people with disabilities, providing hands-on experience in their specific areas of interest. This valuable opportunity allows students to gain experience putting their major to work in the field, while also giving them opportunities to explore future career paths.

Clubs and Organizations

Students actively participate in a wide range of extracurricular clubs and organizations that offer opportunities to learn and grow outside the classroom. Popular options include Badgers for Special Olympics, Best Buddies, Leadership in Adapted Fitness, and Camp Kesem. These clubs foster leadership, advocacy, and service, creating avenues for students to develop skills while making a positive impact in the community.

Study Abroad

Rehabilitation Psychology majors also have the opportunity to broaden their perspectives through study abroad programs. The Department of Rehabilitation Psychology and Special Education hosts a short-term, faculty-led summer study abroad course, Disability Access and Rights in Australia (https://studyabroad.wisc.edu/program/?programId=330353). This unique opportunity allows students to earn credit in their major while gaining a global perspective on disability access and rights.

Community Employment

The Department of Rehabilitation Psychology and Special Education, in conjunction with the School of Education's Career Center (https://careercenter.education.wisc.edu/), frequently connects students with part-time employment opportunities in the community. These positions allow students to gain valuable work experience while supporting local agencies or private individuals. This real-world experience further strengthens their understanding of the field and helps them develop the practical skills needed for future careers.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

SPECIAL EDUCATION, BSE

Special Education is for students who want to work with children and youth, particularly those with disabilities. Graduates of the program have almost 100% job placement, with opportunities in Wisconsin and nationwide.

Watch what students in Special Education have to say about the program (https://www.youtube.com/watch/?v=nsRvdf1bmao).

Students pursuing Special Education can choose from four certification options, all completed in a four-semester sequence that includes coursework, field experiences, and starts each fall.

CERTIFICATION OPTIONS

Special Education Cross-Categorical K-12 (p. 1704)

This program prepares educators to serve as resources and advocates for individuals with disabilities and their families. Graduates will be equipped to lead, collaborate, and work creatively within and outside of schools to create inclusive educational experiences that improve the quality of life for individuals with disabilities and their families. Coursework and field experiences focus on elementary, middle, and high school settings, supporting students with a wide range of abilities, including those with severe disabilities.

Elementary Education K-9 and Special Education K-12 (p. 1681)

This program trains educators to work with all children, especially those from diverse backgrounds or with disabilities. Graduates will focus on inclusion and work with students across various disability categories, such as learning disabilities and emotional/behavioral disorders. The program emphasizes collaboration and provides training in both Elementary and Special Education; graduates will obtain certification in both Elementary Education (K-9) and Special Education (K-12).

Early Childhood Special Education (ECSE) (p. 1701)

This certification prepares educators to support young children who have, or are at greater risk of developing, disabilities. The program emphasizes early intervention and collaboration with families, schools, and community organizations. Graduates can work in settings like Early Head Start, Head Start, and childcare centers, in addition to classrooms through grade 3.

Early Childhood Special Education and Special Education Cross-Categorical K-12 (including 4K) (p. 1702)

This combined certification prepares educators to support students with disabilities from birth through grade 12. Students will be certified in both Early Childhood Special Education and Special Education Cross-Categorical K-12.

THE TEACHER PLEDGE

UW–Madison offers a financial program called the Teacher Pledge (https://tec.education.wisc.edu/teacher-pledge/). The school covers in-state tuition for Special Education students who agree to teach at a Wisconsin PreK-12 school for 3-4 years after graduation.

MADISON COLLEGE TRANSFER AGREEMENT

Madison College students can transfer to UW–Madison's School of Education and Special Education through a guaranteed admission (https://tec.education.wisc.edu/become-a-teacher/uw-madison-school-of-education-transfer-agreement/) agreement.

HOW TO GET IN

HOW TO GET IN

SPECIAL EDUCATION DECLARATION OVERVIEW

Students typically enter UW–Madison as Pre-Special Education students (PSR) and spend the first two years completing liberal studies, general education, and some professional education requirements. The Special Education major is declared during the sophomore year for the final two years on campus.

On-campus students starting at UW-Madison in other majors can move to Pre-Special Education by completing a Pre-Professional Declaration (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/). A GPA of 2.5, based on all UW–Madison coursework or the last 60 credits (p. 1494), is required to transfer into Pre-Special Education. It is not necessary to be a Pre-Special Education student before declaring the major.

Note: Students cannot complete the Certificate in Disability Rights and Services in conjunction with this program.

ELIGIBILITY TO DECLARE SPECIAL EDUCATION

Special Education currently accepts declarations once a year, usually from December 1 – February 1. This period may be extended if additional spaces are available after the initial deadline. The on-campus declaration form is located on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page, along with information about the declaration period, deadline, and current eligibility requirements. Students should consult this site prior to submitting a declaration as this information may be modified from one declaration year to the next.

Off-campus students wishing to transfer directly into Special Education should complete the on-campus declaration and must also be admitted to UW-Madison. See Transfer Students and Students with a Previous Degree, below.

Current Eligibility Requirements

- Complete at least 40 transferable college-level credits by the end of the fall semester of the declaration year.
- Successfully complete RP & SE 300 Individuals with Disabilities by the end of the summer of the declaration year.
- Earn a minimum 2.5 grade point average (GPA) on a 4.0 scale on all transferable college-level coursework attempted.[1]
- Submit all program declaration form(s), transcripts, and other related declaration materials by the deadline specified on the School of Education's Undergraduate Admissions (http://www.education.wisc.edu/soe/academics/undergraduate-students/academic-program-admission/) page.

[1] Last 60 Credits Rule - Two grade point averages may be calculated to determine a candidate's eligibility to declare. A GPA may be calculated using (1) UW-Madison and all other all transferable college level coursework attempted and (2) the last 60 credits attempted. The higher GPA of these two calculations will be used for determining eligibility. Once declared, students must earn a semester GPA of 2.75 each semester after declaration. More information on this rule is available here (p. 1494).

TRANSFER STUDENTS AND STUDENTS WITH A PREVIOUS DEGREE

Transfer students and students who already hold a Bachelor's degree must be admitted to UW-Madison to enroll in a School of Education program. Admission to the campus has its own application, admission process, and application deadlines; see Office of Admissions and Recruitment (http://www.admissions.wisc.edu) for campus application information.

Students wishing to enter directly into Special Education should complete both the on-campus declaration and the UW-Madison application. All

eligibility requirements must be met. Transfers who do not meet the declaration eligibility criteria will be admitted to UW-Madison with the Pre-Special Education designation.

An applicant with a previous undergraduate degree will be admitted to Special Education as a second degree candidate or as a School of Education "Special Student," depending on their academic background.

Second degree candidates in the School of Education are changing their academic direction and wish to complete a degree that is unrelated to their first. A large number of credits are usually required to complete the new degree requirements and a second degree is awarded upon its completion; more information is available here (p. 1494). Most applicants to Special Education will be second degree candidates.

In rare cases a student may be admitted as an Education Special Student. Admission with this designation indicates that they have an interest in pursuing teacher certification in Special Education and have already studied this subject area extensively during their initial degree. A student enrolls as an Education Special Student to complete the requirements that were not taken during the first degree; these are assessed on a case by case basis. Another degree is not awarded for this "certification only" coursework.

All off-campus students are strongly encouraged to meet with an advisor in the School of Education Student Services office in advance of their declaration. Consultations are available in person, virtually, or via telephone; email studentservices@education.wisc.edu or call 608-262-1651 to schedule an appointment.

BACKGROUND CHECKS

Pursuant to State of Wisconsin law PI 34.018(2), the School of Education is required to administer a background check on all students entering teacher education programs. This check is intended to determine if the applicant has engaged in any behavior that endangers the health, welfare, safety, or education of PK-12 pupils. Local school districts frequently conduct background checks on teacher education students prior to the start of their in-classroom field work, and the Department of Public Instruction (DPI) will also conduct a background check on each applicant for a Wisconsin educator license.

Students should be aware that background checks may be initiated by other agencies or organizations when they are seeking employment or a professional license. School administrators have the authority to determine the appropriateness of a student placement and may choose not to permit a placement based on a student's background check results.

An individual who has been deemed ineligible to participate in field or clinical experiences based on the results of their background check may not be able to complete the requirements for their degree or certification. Students with questions about these processes should contact the Teacher Education Center, tec@education.wisc.edu.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, including ethnic studies, humanities/literature, social studies, and science. Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science
All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies
All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE
The Special Education program has four primary components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Professional education* coursework includes an examination of the schools' relationship to our society and the processes by which students grow and learn.
- *Core Requirements* offer an in-depth study of Special Education, including a four-semester *professional sequence* of teaching methods coursework and field experience in schools. This sequence is designed so that students can complete the program in four years.
- *Elective* coursework is taken to reach the required minimum of 120 credits.

SPECIAL EDUCATION OPTIONS - SELECT ONE
View as listView as grid

- **SPECIAL EDUCATION: EARLY CHILDHOOD SPECIAL EDUCATION BIRTH - GRADE 3, BSE (P. 1701)**
- **SPECIAL EDUCATION: EARLY CHILDHOOD SPECIAL EDUCATION/SPECIAL EDUCATION DUAL CERTIFICATION BIRTH-GRADE 12, BSE (P. 1702)**
- **SPECIAL EDUCATION: SPECIAL EDUCATION CROSS CATEGORICAL K-12, BSE (P. 1704)**

ELECTIVE COURSEWORK
Complete additional coursework to reach the minimum of 120 credits.

GPA AND OTHER GRADUATION REQUIREMENTS
GRADUATION REQUIREMENTS
Students must complete all requirements and also obtain the endorsement of the program faculty advisor(s) to receive certification through UW–Madison. The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Requirements below are based on UW–Madison coursework.

- 2.75 cumulative grade point average. This may be modified by the Last 60 Credits Rule (p. 1494).
- 2.75 cumulative grade point average across all professional education courses (excluding practicum and student teaching).
- 2.75 cumulative grade point average in the major.
- Minimum 120 credits (degree candidates only). Most students will need more than the minimum to complete all requirements.
- Major residency: Degree candidates must complete at least 15 credits of upper-level major coursework (numbered 300–699) in residence on the UW–Madison campus.
- Senior residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus. Student teaching and practicum are considered part of the 30 credits.

DEGREE AUDIT (DARS)
UW–Madison uses “DARS” to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar’s website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

ADDITIONAL CERTIFICATION REQUIREMENTS AND APPLYING FOR A LICENSE

In addition to completing UW-Madison's program requirements, students must also complete Wisconsin statutory requirements and certification requirements established by the Wisconsin Department of Public Instruction. Many of these requirements are embedded within the program's requirements and require no additional attention. The endorsement of the program coordinator/faculty is also required to receive certification through UW–Madison.

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license.

Detailed information about certification requirements and applying for a license is available under Certification/Licensure. (p. 1700)

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Professionalism) Adhere to professional ethical standards and conduct her or himself in a courteous and professional manner.
2. (Collaboration and Communication) Collaborate and effectively communicate with students their families, other educators, related service providers and members of the community to address the needs of students with disabilities.
3. (Assessment) Collect information on student backgrounds, learning characteristics and achievement that can be used to determine students’ present level of performance and guide instruction.
4. (Special Education Evaluation and Individualized Educational Planning) To the maximum possible the teacher candidate will participate in the Educational Evaluation and Individualized Educational Planning process.
5. (Instructional Planning) Plan instruction that meets the needs of students, is consistent with State and local standards and provides access to the general education curriculum.
6. (Instructional Presentations) Present lessons and units of instruction that gain and maintain student attention and are consistent with students’ interests and IEP goals.
7. (Classroom Management) Create and maintain a safe, positive and supportive learning environment that is conducive to learning and the mental health of the students.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Refer to the available named options for more information on the four-year plans.

ADVISING AND CAREERS

ADVISING AND CAREERS

SPECIAL EDUCATION PROGRAM ADVISING

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SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

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Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

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For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

ADDITIONAL RESOURCES

Students interested in special education may also want to consult the following resources:

- Read about the relationship between Special Education and regular education programs (https://www.cec.sped.org/Policy-and-Advocacy/CEC-Professional-Policies/Special-Education-in-the-Schools/).
- Watch a Video (https://www.youtube.com/watch/?v=2XsaK3pWyII) describing the work of Special Educators.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

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Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

SPECIAL EDUCATION AND THE WISCONSIN EXPERIENCE

Community-Based Learning

RP & SE 300 Individuals with Disabilities includes a field-based experience where students engage in work that supports individuals with disabilities. Every year, hundreds of students are placed at a variety of sites in the Madison area. This experience allows students to gain hands-on experience working in the community.

Guest Speakers

The Special Education major emphasizes bringing guest speakers into the classroom. These experts offer diverse perspectives on the daily experiences of individuals with disabilities. Students also hear directly from community organizations that advocate for and support people with disabilities.

Additionally, a wide range of guest speakers participate in Special Education practicum and student teaching seminars. These guests may include school district personnel, parents and family members, teachers, and individuals with disabilities.

Field Experiences

Students in our teacher education programs participate in multiple field experiences, including practicum and student teaching, throughout their professional sequence. These hands-on experiences provide students with numerous opportunities to apply what they are learning in the classroom to real-world teaching in schools and communities.

Clubs and Organizations

Special Education students have many opportunities to participate in clubs and organizations. Popular options include Special Olympics, Aspiring Educators, and Camp Kesem.

Additional Majors and Certificates

Many students choose to pair their Special Education program with another major or certificate. Popular second majors include Education Policy Studies, Spanish, and Psychology, but students can select from a variety of majors and certificates that align with their academic and professional goals.

Community Employment

The Department of Rehabilitation Psychology and Special Education has strong connections with the community. Students in the department often find both paid and volunteer opportunities in school and community organizations that serve children with disabilities and their families. Examples include the Schools of Hope Tutoring Program, Madison School and Community Recreation, and Gio's Garden.

Study Abroad

Special Education students are encouraged to explore study abroad opportunities, including popular faculty-led short-term programs hosted by the School of Education. The Department of Rehabilitation Psychology and Special Education offers two key programs: Disability Rights & Access in Australia (https://studyabroad.wisc.edu/program/?programId=330353) and Disability, Access & Inclusion in Belize (https://studyabroad.wisc.edu/program/?programId=330420). These programs provide hands-on learning experiences in global contexts. Students are encouraged to explore all available options through the School of Education to enrich their academic journey and gain valuable international perspectives.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

ADDITIONAL CERTIFICATION REQUIREMENTS

Students interested in certification must, in addition to completing UW–Madison's program requirements, also complete Wisconsin statutory requirements related to teacher education and certification requirements established by the Wisconsin Department of Public Instruction. Students must complete all requirements and also obtain the endorsement of the program faculty to receive certification through UW–Madison. For additional certification requirements and information about applying for a license, see the Mary T. Kellner Teacher Education Center (https://tec.education.wisc.edu/current-students/).

APPLYING FOR A TEACHING LICENSE

The State of Wisconsin requires that anyone wishing to teach in a public K–12 setting hold a valid teaching license issued through the Department of Public Instruction. In addition to completing a certification program, students must submit a separate application for this license. Students intending to complete a teacher certification program should monitor program requirements carefully. The Wisconsin Department of Public Instruction (DPI) periodically implements regulations that affect all certification programs; teacher certification candidates are responsible for having up-to-date information about certification requirements.

Licensing Levels

The following undergraduate teacher licensing options are offered at UW–Madison.

- The core Elementary Education licensing level will be Kindergarten through Grade 9. Early Childhood, and English as a Second Language Kindergarten through Grade 12, can be added to the K-9 option.
- Special Education will offer licensing at the Early Childhood level, Kindergarten through Grade 12 level, and a program option that licenses in both Early Childhood Special Education and K-12 Special Education.
- The new Elementary Education and Special Education degree certifies students in both Special Education Kindergarten through Grade 12 and Elementary Education Kindergarten through Grade 9.
- Students in special fields such as Art, Music, and Physical Education will be licensed at the Kindergarten through Grade 12 level.
- Health licenses at the Kindergarten through Grade 12 level.

Wisconsin State Licensing

The State of Wisconsin issues an initial teaching license to certified teachers. The current fee is $125. An online license application is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/elo/). A background check will also be conducted by DPI. Information about fingerprint submission, when necessary, is available through the Department of Public Instruction (http://dpi.wi.gov/tepdl/licensing/fingerprint/electronic-submission/).

Before applying for a license, DPI requires the electronic submission of "Endorsed Candidate for Licensure" (ECL) data by the certifying officer of the institution where the teacher preparation was completed. For UW–Madison teacher certification students the endorsement will come from the School of Education, L139 Education Building, 1000 Bascom Mall.

Once this information has been submitted to DPI, students are notified by email that they may begin the application online.

Before endorsing a student, UW–Madison requires that

- all certification requirements are met;
- student teaching (following the school district calendar) is completed;
- final grades are posted and reviewed;
- the degree is posted (https://registrar.wisc.edu/posting-of-degrees/) by the Registrar's Office (which can take up to four to six weeks after the degree conferral date); and
- a recommendation for certification is received from the program faculty.

The Wisconsin Department of Public Instruction may require an additional six to eight weeks for license processing.

Licensing Outside of Wisconsin

To apply for a license in a state other than Wisconsin, first check out the application requirements of that state. The University of Kentucky has a website (https://education.uky.edu/accreditation/certification/states/) that provides links to teacher licensing agencies in all 50 states, the District of Columbia, and Puerto Rico.

Many states have a verification form that needs to be signed by a UW–Madison certification officer. This form verifies that a state-approved licensing program has been completed. These forms should be sent to the School of Education's Mary T. Kellner Teacher Education Center at L139 Education Building, 1000 Bascom Mall, Madison, WI 53706, or by email (educatorlicensing@education.wisc.edu) to be completed. You must complete your personal information on the form before sending it to the Teacher Education Center. If the form requests information about practicum and student teaching assignments (names of schools, grade levels, dates, etc.), this information must also be completed before sending the form to the Teacher Education Center.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Wisconsin

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

SPECIAL EDUCATION: EARLY CHILDHOOD SPECIAL EDUCATION BIRTH - GRADE 3, BSE

REQUIREMENTS

REQUIREMENTS

The Early Childhood Special Education option will prepare students to work as educators and early interventionists for children with disabilities from birth through grade 3.

PREREQUISITE FOR PROGRAM ADMISSION

This course must be completed by the end of the summer of the application year and is calculated into the major gpa required for graduation.

Code	Title	Credits
RP & SE 300	Individuals with Disabilities	3

EARLY CHILDHOOD SPECIAL EDUCATION PROFESSIONAL SEQUENCE

Students complete a four-semester sequence of professional courses after admission to the program. Although some requirements may be completed prior to program admission, the remaining professional methods courses and clinical (field) experiences must be followed sequentially and taken in consecutive semesters unless a modification is approved. Class schedules for the professional sequence courses are determined in advance.

Code	Title	Credits
Semester 1		
CURRIC 550	Methods, Materials and Activities in Early Childhood Education	3
CURRIC 663	Learning Environments for Initial Education Programs [1]	3
HDFS 262	Development of the Young Child (preferred) [1]	3
or ED PSYCH 320	Human Development in Infancy and Childhood	
RP & SE 320	Introduction to Teaching in Special Education	3
RP & SE 435	Overview of Early Childhood Special Education [1]	3
RP & SE 465	Language and Reading Instruction for Students with Disabilities	3
Semester 2		
RP & SE 455	Early Childhood Special Education Methods: Inclusive Strategies for Infants and Toddlers	3
RP & SE 464	Diagnosis, Assessment, and Instructional Planning in Special Education	3
RP & SE 473	Classroom Management for Inclusive Classrooms	3
RP & SE 475	Special Education Practicum: Early Childhood and Elementary	1
RP & SE 510	Partnering with Families and Other Professionals in Early Childhood Special Education [1]	3
Semester 3		
HDFS 663	Developmental and Family Assessment	3
RP & SE 460	Early Childhood Special Education Methods: Inclusive Strategies for Preschool and Early Elementary	3
RP & SE 466	Diversity in Special Education	3
RP & SE 475	Special Education Practicum: Early Childhood and Elementary	2
RP & SE 475	Special Education Practicum: Early Childhood and Elementary	2
Select one [1]		*3*
ED POL 300	School and Society	
ED POL/ HISTORY 412	History of American Education (also meets U.S./European history)	
RP & SE 605	Development, Learning and Education Foundations in Special Education	
Semester 4		
RP & SE 467	Elementary Student Teaching Seminar	2
RP & SE 477	Special Education Student Teaching: Elementary (PK - Grade 9)	10

[1] May be taken prior to scheduled semester, including prior to program admission.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Special Education: Early Childhood Special Education Option

Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
RP & SE 300	3	Ethnic Studies	3
Liberal Studies course work	9-12	Quantitative Reasoning A	3
		Liberal Studies course work	6-9
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
Liberal Studies course work	10	Quantitative Reasoning B	3
Liberal Studies or General Elective course work	5	Liberal Studies or General Elective course work	11
	15		**14**

Junior

Fall	Credits	Spring	Credits
CURRIC 550	3	RP & SE 455	3
CURRIC 663[1]	3	RP & SE 464	3
HDFS 262 or ED PSYCH 320 (262 is preferred)[1]	3	RP & SE 473	3
RP & SE 320	3	RP & SE 475	1
RP & SE 435[1]	3	RP & SE 510[1]	3
RP & SE 465 (also meets Communication B)	3		
	18		**13**

Senior

Fall	Credits	Spring	Credits
HDFS 663	3	RP & SE 467	2
RP & SE 460	3	RP & SE 477	10
RP & SE 466	3		
RP & SE 475	2		
RP & SE 475	2		
Select one[1]	3		
ED POL 300			
ED POL/ HISTORY 412 (also meets U.S./European history)			
RP & SE 605			
	16		**12**

Total Credits 118

[1] May be taken prior to scheduled semester, including prior to program admission. A minimum of 120 credits is still required to complete the degree.

SPECIAL EDUCATION: EARLY CHILDHOOD SPECIAL EDUCATION/ SPECIAL EDUCATION DUAL CERTIFICATION BIRTH-GRADE 12, BSE

REQUIREMENTS

REQUIREMENTS

The Special Education: Early Childhood Special Education (ECSE)/Special Education K-12 Dual Certification option will prepare students to work as educators and early interventionists for children with disabilities from birth through grade 12.

PREREQUISITE FOR PROGRAM ADMISSION

This course must be completed by the end of the summer of the application year and is calculated into the major gpa required for graduation.

Code	Title	Credits
RP & SE 300	Individuals with Disabilities	3

ECSE/SPECIAL EDUCATION PROFESSIONAL SEQUENCE

Students complete a four-semester sequence of professional courses after admission to the program. Although some courses may be completed prior to program admission, the remaining professional methods courses and clinical (field) experiences must be followed sequentially and taken in consecutive semesters unless a modification is approved. Class schedules for the professional sequence courses are determined in advance.

Code	Title	Credits
Semester 1		
CURRIC 550	Methods, Materials and Activities in Early Childhood Education	3
CURRIC 663	Learning Environments for Initial Education Programs [1]	3
HDFS 262	Development of the Young Child (preferred) [1]	3

or ED PSYCH 320	Human Development in Infancy and Childhood	
RP & SE 320	Introduction to Teaching in Special Education	3
RP & SE 435	Overview of Early Childhood Special Education [1]	3
RP & SE 465	Language and Reading Instruction for Students with Disabilities (also meets Communication B)	3
Semester 2		
RP & SE/ CURRIC 365	Teaching Mathematics in Inclusive Settings	3
RP & SE 455	Early Childhood Special Education Methods: Inclusive Strategies for Infants and Toddlers	3
RP & SE 464	Diagnosis, Assessment, and Instructional Planning in Special Education	3
RP & SE 472	Methods in Transition and Vocational Education	3
RP & SE 475	Special Education Practicum: Early Childhood and Elementary	1
RP & SE 475	Special Education Practicum: Early Childhood and Elementary	2
RP & SE 510	Partnering with Families and Other Professionals in Early Childhood Special Education [1]	3
Semester 3		
HDFS 663	Developmental and Family Assessment	3
RP & SE 460	Early Childhood Special Education Methods: Inclusive Strategies for Preschool and Early Elementary	3
RP & SE 466	Diversity in Special Education	3
RP & SE 476	Special Education Practicum: Secondary (Grades 4-12)	3
RP & SE 515	Access to the General Curriculum for Students with Disabilities	3
Select one [1]		*3*
ED POL 300	School and Society	
ED POL/ HISTORY 412	History of American Education (also meets U.S./European history)	
RP & SE 605	Development, Learning and Education Foundations in Special Education	
Semester 4		
RP & SE 467	Elementary Student Teaching Seminar	2
RP & SE 473	Classroom Management for Inclusive Classrooms	3
RP & SE 477	Special Education Student Teaching: Elementary (PK - Grade 9)	10

[1] May be completed prior to scheduled semester, including prior to program admission.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Special Education Sample Four-Year Plan

Early Childhood Special Education/ Special Education Dual Certification Option

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
RP & SE 300	3	Ethnic Studies	3
Liberal Studies course work	9-12	Quantitative Reasoning A	3
		Liberal Studies course work	3-6
	15		**12**

Sophomore

Fall	Credits	Spring	Credits
Liberal Studies course work	10	Quantitative Reasoning B	3
General Elective course work	2	Liberal Studies course work	3
		General Elective course work	6
	12		**12**

Junior

Fall	Credits	Spring	Credits
CURRIC 550	3	RP & SE/CURRIC 365	3
CURRIC 663[1]	3	RP & SE 455	3
HDFS 262 or ED PSYCH 320 (262 is preferred)[1]	3	RP & SE 464	3
RP & SE 320	3	RP & SE 472	3
RP & SE 435[1]	3	RP & SE 475	1
RP & SE 465 (also meets Communication B)	3	RP & SE 475	2
		RP & SE 510[1]	3
	18		**18**

Senior

Fall	Credits	Spring	Credits
HDFS 663	3	RP & SE 467	2
RP & SE 460	3	RP & SE 473	3
RP & SE 466	3	RP & SE 477	10
RP & SE 476	3		

RP & SE 515	3	
Select one[1]	3	
ED POL 300		
ED POL/ HISTORY 412 (also meets U.S./European history)		
RP & SE 605		
	18	**15**

Total Credits 120

[1] May be taken prior to scheduled semester, including prior to program admission. A minimum of 120 credits is still required to complete the degree.

SPECIAL EDUCATION: SPECIAL EDUCATION CROSS CATEGORICAL K-12, BSE

REQUIREMENTS

REQUIREMENTS

Students in the Special Education Cross Categorical K-12 option will seek licensure to work with students in elementary and secondary schools (kindergarten through grade 12.) Admitted students begin a four-semester professional sequence in the fall following admission.

The option coursework listed here is one component of the Special Education, BSE degree (https://guide.wisc.edu/undergraduate/education/rehabilitation-psychology-special-education/special-education-bse/) requirements.

PROFESSIONAL EDUCATION REQUIREMENTS

Individuals with Disabilities

This course is a prerequisite to declare Special Education. It must be completed by the end of the summer of the declaration year.

Code	Title	Credits
RP & SE 300	Individuals with Disabilities	3

Development (Minimum of 3 credits)

May be taken prior to program admission.

Code	Title	Credits
RP & SE 605	Development, Learning and Education Foundations in Special Education	3

Learning (Minimum of 3 credits)

May be taken prior to program admission.

Code	Title	Credits
ED PSYCH 301	How People Learn	3

Foundations of the Profession (Minimum of 3 credits)

May be taken prior to program admission

Code	Title	Credits
Select one of the following:		3
ED POL 300	School and Society	
ED POL/ HISTORY 412	History of American Education	

CORE REQUIREMENTS (INCLUDES PROFESSIONAL SEQUENCE)

RP & SE 300 Individuals with Disabilities is a prerequisite to declare Special Education. This course must be completed by the end of the summer of the declaration and is calculated into the major gpa required for graduation.

Special Education Professional Sequence

Students complete a four-semester sequence of professional courses after admission to the program. The professional methods courses and clinical (field) experiences must be followed sequentially and taken in consecutive semesters unless a modification is approved. Class schedules for the professional sequence courses are determined in advance.

Code	Title	Credits
Semester 1		
RP & SE 320	Introduction to Teaching in Special Education	3
RP & SE 435	Overview of Early Childhood Special Education	3
RP & SE 465	Language and Reading Instruction for Students with Disabilities (Meets Communication B requirement)	3
RP & SE/ CURRIC 506	Strategies for Inclusive Schooling	3
RP & SE 605	Development, Learning and Education Foundations in Special Education [1]	3
Semester 2		
RP & SE/CURRIC 365	Teaching Mathematics in Inclusive Settings	3
RP & SE 464	Diagnosis, Assessment, and Instructional Planning in Special Education	3
RP & SE 473	Classroom Management for Inclusive Classrooms	3
RP & SE 480	Practicum in Teaching Literacy: Secondary Special Education (Grades 4-12)	3
Semester 3		
RP & SE 466	Diversity in Special Education [1]	3
RP & SE 475	Special Education Practicum: Early Childhood and Elementary	3
RP & SE 515	Access to the General Curriculum for Students with Disabilities	3
ED PSYCH 301	How People Learn	3
Choose 1:		
ED POL 300	School and Society	

or ED POL/ HISTORY 412	History of American Education	
Semester 4		
RP & SE 472	Methods in Transition and Vocational Education	3
RP & SE 477	Special Education Student Teaching: Elementary (PK - Grade 9)	10
or RP & SE 478	Special Education Student Teaching: Secondary (Grades 4-12)	
RP & SE 467	Elementary Student Teaching Seminar	2
or RP & SE 468	Secondary Student Teaching Seminar	

[1] Course may be taken prior to scheduled semester, including prior to program admission.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Special Education: Special Education Cross Categorical K-12 option

Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements.

If you are interested in completing a study abroad semester, please meet with Kayla Armstrong prior to starting the professional sequence and review the study abroad section of the planning document (https://uwmadison.box.com/s/kcids3uopuacgj5c2qtc8qke6ii6ods8/). Study abroad semesters are usually completed during the fall semester of a student's senior year.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
RP & SE 300	3	Ethnic Studies	3
Liberal Studies course work	9-12	Quantitative Reasoning A	3
		Liberal Studies course work	6-9
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
ED POL/HISTORY 412	3	Quantitative Reasoning B	3
ED PSYCH 301	3	Liberal Studies or General Elective course workk	12
Liberal Studies course work	9		
	15		**15**

Junior

Fall	Credits	Spring	Credits
RP & SE 320	3	RP & SE/CURRIC 365	3
RP & SE 435	3	RP & SE 464	3
RP & SE 465	3	RP & SE 473	3
RP & SE/CURRIC 506	3	RP & SE 480	3
RP & SE 605[1]	3	Liberal Studies or General Elective course work	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
RP & SE 466	3	RP & SE 472	3
RP & SE 475	3	RP & SE 477 or 478	10
RP & SE 515	3	RP & SE 467 or 468	2
Liberal Studies or General Elective course work	6		
	15		**15**

Total Credits 120

[1] Course may be taken prior to scheduled semester, including prior to program admission. A minimum of 120 credits is required to complete the degree.

THEATRE AND DRAMA

A degree in Theatre and Drama from the University of Wisconsin–Madison opens doors to a range of exciting careers in the theatre and entertainment industries, as well as other fields.

The department combines the best of a broad-based undergraduate education with specified training in many aspects of the performing arts - including acting, design, dramaturgy, technology, and theatre engineering. Students learn from faculty and staff who are professional artists, technicians, and scholars working actively in their fields, in an environment that is both supportive and challenging - combining one-on-one mentoring, small classes, and opportunities for applied work in production. Theatre students develop skills in communication, collaboration, and critical thinking, along with cultural and creative competencies which prepare them for successful careers in the professional theatre and entertainment industry, gaming, and education as well as for graduate studies and preparation for such fields as law, communications, business, and more.

The centerpiece of the department's curriculum is its production program, chiefly the University Theatre (UT) program, as well as a Second Stage program supporting experimental and student work. Through a year-round season of productions, the Department of Theatre and Drama's University Theatre serves as a vibrant arena for experiential and collaborative learning, engaging undergraduate students in embodied and hands-on work, allowing them to apply theoretical knowledge in performance, technical theatre, and design for audiences on campus and locally.

Theatre and Drama majors pursue a Bachelor of Science degree (p. 1707) through the School of Education, with the flexibility to informally explore such areas as design, stage management, directing, acting, and theatre technology. For students with a specific interest in acting, the department offers the Acting Option (p. 1712), a highly structured program designed to provide a deeper understanding of the craft and professional skills needed for a career in acting or advanced theatre studies. Students in this option receive personalized mentoring and performance reviews at the end of each semester. Upon completion, this option is formally noted on the student's transcript.

Admission to the Acting Option is by audition only. Auditions are held at the midpoint of each semester and require the completion of specific prerequisite courses. Acting students are encouraged to audition for University Theatre (UT) productions to gain valuable performance experience and contribute to the vibrant season of University Theatre. For more information on the Acting Option and the audition process, students should contact the department advisor.

Students with specific interest in design, technology, and management are encouraged to explore one area of interest or several, with several opportunities for applied work including designing for the mainstage. Students are encouraged to participate in the production program as assistant directors and dramaturges and to produce their own work in our mentored Second Stage program or in the experimental black-box laboratory.

Non-majors who wish to explore theatre in both theory and practice are welcome to enroll in our courses and participate in productions. The Certificate in Theatre (p. 1714) offers students from all disciplines the opportunity to gain a structured and meaningful theatre experience. This certificate has attracted students from a wide variety of fields, including law, business, medicine, art, dance, science, and social work. These students are drawn to theatre for its ability to enhance communication skills, improve problem-solving abilities, and foster visual acumen—skills that are valuable across all professions.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Theatre and Drama, BS (p. 1706)
- Theatre, Certificate (p. 1714)

THEATRE AND DRAMA, BS

A degree in Theatre and Drama from the University of Wisconsin–Madison opens doors to a wide range of careers. The department combines the best of a broad-based undergraduate education with specified training in many aspects of the performing arts - including acting, design, dramaturgy, technology, and theatre engineering.

Students learn from faculty and staff who are professional artists, technicians, and scholars working actively in their fields, in an environment that is both supportive and challenging - combining one-on-one mentoring, small classes, and opportunities for applied work in production. Theatre students develop skills in communication, collaboration, and critical thinking, along with cultural and creative competencies which prepare them for successful careers in the professional theatre and entertainment industry, gaming, and education as well as for graduate studies and preparation for such fields as law, communications, business, and more.

The centerpiece of the department's curriculum is its production program, chiefly the University Theatre (UT) program, as well as a Second Stage program supporting experimental and student work. Through a year-round season of productions, the Department of Theatre and Drama's University Theatre serves as a vibrant arena for experiential and collaborative learning, engaging undergraduate students in embodied and hands-on work, allowing them to apply theoretical knowledge in performance, technical theatre, and design for audiences on campus and locally.

Our majors complete a Bachelor of Science degree in Theatre and Drama through the School of Education. Students may informally select areas of emphasis such as design, stage management, directing, acting, or theatre technology.

Majors whose primary interest is acting may pursue the Acting Option (p. 1712). This highly structured program of study offers students a deeper practical knowledge and experience of the skills required to pursue professional work as an actor and/or advanced studies in theatre. Students are highly mentored and will benefit from personalized performance reviews with the acting faculty at the end of each semester. Upon completion, this named option will be formally documented on the student's transcript.

HOW TO GET IN

HOW TO GET IN

PROGRAM ADMISSION OVERVIEW

The Theatre and Drama major may be completed either as the primary major or as an additional ("double") major.

Primary Major in Theatre and Drama

Undergraduate students interested in completing the Bachelor of Science–Theatre and Drama degree program will fulfill the School of Education's liberal studies and other degree requirements in addition to the 43 credits required for the Theatre and Drama major.

Additional Major in Theatre and Drama

Undergraduate students from all schools and colleges on campus (including the School of Education) may declare Theatre and Drama as an additional major. Students completing Theatre and Drama as an additional major do not need to complete the School of Education's liberal studies and other degree requirements. For application information, go directly to the Additional Major in Theatre and Drama (p. 1707) section below.

ENTERING THE SCHOOL OF EDUCATION

New and Current UW–Madison Students

Incoming freshmen enter directly into the Bachelor of Science–Theatre and Drama degree program upon admission to UW–Madison; list Theatre and Drama as the intended major. No additional application to Theatre and Drama is required. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information.

All other on-campus students will submit an application following a meeting with the department's academic advisor.

Prospective transfer students

Transfer students must be admissible to the university to enroll in a School of Education degree program. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information. Transfer students enter directly into the Bachelor of Science–Theatre and Drama degree program upon admission to UW–Madison; list Theatre and Drama as the intended major. No additional application to Theatre and Drama is required. Prospective transfer students are strongly encouraged to meet with the Department of Theatre and Drama academic advisor before coming to campus. Coursework taken at another institution may need to be evaluated by the department academic advisor or a faculty member in the Department of Theatre and Drama. Prospective transfer students are also strongly advised to meet with an advisor in the School of Education Student Services office in advance of their application; to schedule, call 608-262-1651.

Students with a previous degree

Prospective students who already hold an undergraduate degree must be admissible to the university to enroll in a School of Education degree program. See UW–Madison Office of Admissions and Recruitment (http://admissions.wisc.edu/) for application information.

Applicants must also meet the following criteria for admission as a second undergraduate degree candidate in the School of Education. Candidates must:

- be seeking a new major that is substantially different from their previous degree work;
- need to complete at least 15 upper-level credits in the new major;
- need to complete at least 30 credits beyond their previous coursework.

When admitted, second degree candidates enter directly into the Bachelor of Science–Theatre and Drama degree program. No additional application to Theatre and Drama is required.

Prospective students who already hold an undergraduate degree are strongly encouraged to meet with the Department of Theatre and Drama academic advisor before coming to campus. Coursework taken at another institution may need to be evaluated by the department academic advisor or a faculty member in the Department of Theatre and Drama. Prospective second degree candidates are also strongly advised to meet with an advisor in the School of Education Student Services office in advance of their application; to schedule, call 608-262-1651.

APPLICATION AND ADMISSION

While new freshmen and off-campus transfers are admitted directly to the BS–Theatre and Drama degree program, all other current UW–Madison students seeking to enter the BS–Theatre and Drama program must apply for admission to the program. Students must make an appointment with the departmental advisor to complete the declaration form. Requirements and selection criteria may be modified from one application/admission period to the next.

Criteria for Admission

Eligibility for admission consideration to BS–Theatre and Drama:

- Cumulative grade-point average on all transferable college-level coursework of at least a 2.50 (on a 4.00 scale).[1]
- Cumulative grade point average of at least a 2.5 based on UW–Madison campus coursework, as modified by the Last 60 Credits Rule (detailed below).
- Submission of all required application materials, including program application and transcripts.

[1] A comprehensive cumulative GPA of all college-level, transferrable coursework attempted on both the UW–Madison campus coursework and coursework taken at any other colleges or universities may be calculated for the exclusive purpose of establishing an applicant's eligibility for consideration. Both the comprehensive cumulative GPA and the comprehensive cumulative GPA based on a student's last 60 credits may be calculated. See Last 60 Credits Rule (detailed below). If admitted, students must earn the minimum cumulative GPA for UW–Madison coursework established by their program and the School of Education each semester after admission.

Last 60 Credits Rule

Two grade point averages will be calculated to determine candidates' eligibility to programs. GPAs will be calculated using

- all transferable college level coursework attempted, and
- the last 60 credits attempted.

The higher GPA of these two will be used for purposes of determining eligibility. If fewer than 60 credits have been attempted, all credits will be used to calculate the GPA. Graded graduate coursework will also be used in all GPA calculations. ("Attempted" coursework indicates coursework for which a grade has been earned.) More information on this rule is available here (p. 1494).

ADDITIONAL MAJOR IN THEATRE & DRAMA

Undergraduate students from all schools and colleges on campus (including Education) may declare Theatre and Drama as an additional major. Students wishing to declare the additional major must make an appointment with the departmental advisor to complete the declaration form. The declaration must also be approved by the student's home school/college.

Please note that the requirements of the additional major must be completed before or concurrently with the degree program and primary major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed.

For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF EDUCATION LIBERAL STUDIES REQUIREMENTS

All students are required to complete a minimum of 40 credits of Liberal Studies (p. 1502) coursework. This requirement provides an opportunity to do some academic exploration beyond the scope of the major. Students take courses in areas of particular interest and also have an opportunity to sample the wide selection of courses offered across the university. Coursework is required in humanities, social studies, science, and cultural and historical studies. Some elective coursework is also needed to reach the required number of credits.

The School of Education's Liberal Studies Requirements automatically satisfy most of the University General Education Requirements outlined above, **including ethnic studies, humanities/literature, social studies, and science.** Students pursuing most School of Education degree programs may also complete Communication Part B, Quantitative Reasoning Part A, and Quantitative Reasoning Part B through courses required by their degree program. If a student cannot complete a General Education Requirement within the curriculum of their chosen School of Education program, academic advisors can offer suggestions for courses that meet the requirement and augment the student's primary area of study.

A basic outline of the liberal studies is included below. Students must consult the detailed version of the requirements (p. 1502) for information about course selection and approved course options.

Humanities, 9 credits

All students must complete a minimum of 9 credits to include:

- Literature
- Fine Arts
- Humanities Electives

Social Studies (Social Science)

All students must complete a minimum of 9 credits. Teacher certification programs and Kinesiology have unique requirements in this category.

Science

All students must complete a minimum of 9 credits to include:

- Biological Science
- Physical Science
- Laboratory Science
- Science Electives

Cultural and Historical Studies

All students must complete three requirements (9 credits) met by separate courses. Any of these courses can also be used to meet the Humanities or Social Studies (Social Sciences) requirements if it has the relevant breadth designation.

- Ethnic Studies
- U.S./European History
- Global Perspectives

Complete Liberal Studies Electives (p. 1502) to total 40 Credits.

PROGRAM STRUCTURE

The Bachelor of Science (BS) degree program in Theatre and Drama has three primary components:

- *Liberal studies* courses expose students to a broad range of academic disciplines. The university-wide *General Education* requirements also encourage this breadth of study.
- *Major requirements* permit in-depth studies of theatre and drama.
- *Additional electives* to reach the minimum of 120 degree credits. These credits allow students to pursue individual areas of interest, such as a second major or additional theatre and drama credits. Many BS–Theatre and Drama students complete an additional major from the College of Letters & Science. Some use this major to complement their theatre preparation, while others select majors that reflect interests completely unrelated to theatre.

MAJOR REQUIREMENTS

Complete a minimum of 43 credits. At least 15 credits of upper-level major coursework (courses designated intermediate or advanced, and/or courses numbered 300 or above) must be taken in residence with a minimum 2.5 grade point average.

Code	Title	Credits
THEATRE/ENGL 120	Introduction to Theatre and Dramatic Literature (The 4-credit option satisfies the General Education Communication Part B requirement.)	3-4
THEATRE 130	Fundamentals of Theatrical Design	3
THEATRE 140	Voice 1: Effective Communication	3
THEATRE 150	Acting I: Introduction to Acting	3
THEATRE 160	Technical Theatre Fundamentals	3
THEATRE 220	Scenic Studio Practicum	1
THEATRE 221	Costume Studio Practicum	1
THEATRE 222	Lighting & Sound Studio Practicum	1
THEATRE 234	Collaborative Problem Solving	3
THEATRE 260	Producing Theatre	3
THEATRE 262	Backstage Practicum	1
THEATRE 357	Introduction to Theatre for Cultural and Social Awareness (Also satisfies ethnic studies requirement.)	3

THEATRE 367	Script Analysis	3
Choose one of the following:		3
THEATRE 327	History of Costume for the Stage	
THEATRE 328	Material Culture for Performance Design	
THEATRE 431	History of Theatres and Staging	
THEATRE 526	The Theatres of China and Japan	
THEATRE 631	Theories of Acting	
Required Electives - Complete a minimum of 9 credits; 6 credits must be at the 300 level or above. Practicum courses do not count as elective credit.		6

Electives

Select any Theatre and Drama (https://guide.wisc.edu/courses/theatre/) department courses to total 43 credits. Majors are urged to consult the department academic advisor in selecting courses, especially when building an emphasis in any one area.

REQUIREMENTS FOR THE ACTING OPTION

View as listView as grid

- **THEATRE AND DRAMA: ACTING (P. 1712)**

HONORS IN THE MAJOR

Students completing the requirements for Honors in the Major engage in valuable preparation for graduate and professional training and learn worthwhile skills that will benefit them in the workplace.

Those students interested in earning Honors in Theatre and Drama should declare their intention to graduate with Honors in the Major at the end of their sophomore year or the beginning of their junior year. The department advisor must be consulted to determine the best way to fulfill the honors requirements and how to make the most out of the experience.

Honors in Theatre and Drama is earned by satisfying both the requirements for the major and these additional requirements:

- Maintain a minimum GPA of 3.5 in major courses and an overall GPA of at least 3.3 in all courses taken at UW–Madison at the time of graduation.
- Complete one of the following courses:

Code	Title	Credits
THEATRE 500	The Business of the Business	3
THEATRE 501	The Business of Acting	3
M H R 320	New Ventures in Business, the Arts and Social Entrepreneurship	3

- Complete the following two-semester senior honors thesis for a total of sic credits. Students must procure a mentor to supervise these two courses and their honors thesis project. This thesis may be a written research thesis, an original work of art, a performance, or other project determined by the student and his/her mentor. All senior honors theses will culminate in an open presentation of their work.

Code	Title	Credits
THEATRE 681	Senior Honors Thesis	3
THEATRE 682	Senior Honors Thesis	3

Students should be aware that some courses are not offered on a regular basis (some are offered every other year, some based on student enrollment in the department, and some based on current staffing.). Please contact the department advisor for information on specific courses and course equivalence.

GPA AND OTHER GRADUATION REQUIREMENTS

GRADUATION REQUIREMENTS

Based on UW–Madison coursework.

- 2.5 minimum cumulative grade point average. This may be modified by the Last 60 Credits Rule.
- 2.5 cumulative major grade point average.
- 2.5 cumulative grade point average in all upper-level major coursework. Upper-level coursework is defined as all intermediate and advanced coursework, and/or at the 300 level or above.
- Major Residency: Students must complete a minimum of 15 credits of upper-level coursework in the major in residence on the UW–Madison campus. Upper-level coursework is defined as all intermediate and advanced coursework, and/or at the 300 level or above.
- Senior Residency: Degree candidates must complete their last 30 credits in residence on the UW–Madison campus, excluding retroactive credits and credits granted by examination.
- Total credits: A minimum of 120 credits are required for graduation in the BS–Theatre and Drama degree program.

DEGREE AUDIT REPORTING SYSTEM (DARS)

UW–Madison uses “DARS” to document a student's progress toward the completion of their degree, including any additional majors and certificates. A DARS (Degree Audit Reporting System) report shows all the requirements for completing a degree and, against courses that are planned or completed, shows the requirements that have been met, and those that are unmet. A report can offer suggestions about courses that may be taken to meet specific requirements and can assist in the academic planning and enrollment process. Students can access a DARS report in the Course Search & Enroll app or Student Center via My UW.

DARS also has a "what-if" function. This feature makes it possible to request a DARS report as if pursuing another program, major, or certificate. It is an excellent tool if considering a new or additional area of study. School of Education students in a pre-professional classification such as Pre-Elementary (PRE) or Pre-Kinesiology should request a "what if" DARS report of their professional program of interest.

More information on how to request a DARS report is available on the Office of the Registrar’s website (https://registrar.wisc.edu/dars/).

DARS is not intended to replace student contact with academic advisors. It creates more time in an advising appointment to discuss course options, research opportunities, graduate school, or issues of personal interest or concern to students.

DARS is used as the document of record for degree program, major, and certificate completion in the School of Education.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate the ability to evaluate the art and craft of theatre both critically and conceptually.
2. Demonstrate the ability to interpret and analyze a script as an integral part of the theatrical process.
3. Demonstrate knowledge of theatrical history and literature.
4. Demonstrate competence in effective communication through vocal dynamics, movement, and the sharing of ideas.
5. Demonstrate the ability to problem-solve creatively and generously collaborate as theatre artists.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Theatre and Drama: Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
THEATRE 130	3	THEATRE 140	3
THEATRE 150	3	THEATRE 160	3
Liberal Studies course work	6-9	THEATRE 262	1
		Quantitative Reasoning A	3
		Liberal Studies course work	2-5
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
THEATRE/ENGL 120[1]	3-4	THEATRE 221	1
THEATRE 220	1	THEATRE 222	1
THEATRE 367	3	THEATRE 234	3
Liberal Studies course work	7-8	Quantitative Reasoning B	3
		Liberal Studies or General Elective course work	7
	15		**15**

Junior

Fall	Credits	Spring	Credits
THEATRE 357 (also meets ethnic studies)	3	THEATRE 260	3
Communication B[1]	3-4	Fall or spring semester take one of:	3
Fall or spring semester take one of:	3	THEATRE 327	
THEATRE 327		THEATRE 328	
THEATRE 328		THEATRE 431	
THEATRE 431		THEATRE 526	
THEATRE 526		THEATRE 631	
THEATRE 631		Theatre Major Elective	3
Liberal Studies, Theatre or General Elective course work	5-9	Liberal Studies, Theatre or General Elective course work	6-9
	15		**15**

Senior

Fall	Credits	Spring	Credits
Theatre Major Elective (upper level)	3	Theatre Major Elective (upper level)	3
Liberal Studies, Theatre or General Elective course work	12	Liberal Studies, Theatre or General Elective course work	12
	15		**15**

Total Credits 120

[1] THEATRE/ENGL 120 Introduction to Theatre and Dramatic Literature is a requirement of the Theatre and Drama major. The 4-credit option also satisfies the General Education Communication Part B requirement.

ADVISING AND CAREERS

ADVISING AND CAREERS

THEATRE AND DRAMA DEPARTMENTAL ADVISING

Prospective off-campus and on-campus BS–Theatre and Drama students must meet with the department's academic advisor; see contact information box on this page. Students are also strongly encouraged to confer with an advisor in the School of Education Student Services office on a regular basis (see below).

SCHOOL OF EDUCATION ADVISING

Academic Advising in the School of Education

Dedicated to supporting and promoting student success, academic advisors (https://education.wisc.edu/academics/undergrad-majors/academic-advising/) are here to assist students with the adjustment to college, understanding their degree and career goals, and connecting them to resources. Advisors support prospective and current School of Education students in all programs through:

- Course selection
- Mentoring and advocacy for underrepresented and international students
- Understanding degree requirements and progression
- Interpreting academic policies
- Helping students recognize their strengths and suggesting ways to expand their skills
- Expanding learning through activities such as study abroad, volunteering/work/internship, and by assuming leadership roles

To schedule an appointment: Current students can schedule an appointment online through the Starfish app (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/) in MyUW. Appointments can also be made through email at studentservices@education.wisc.edu, by calling 608-262-1651, or in person.

Career Advising in the School of Education

Through individual appointments, events, courses, and online resources, the Career Center provides students and alumni with the tools needed to be successful in their career development.

Career and Internship Advisors are prepared to help students with:

- Exploration of career and academic pathways (https://careercenter.education.wisc.edu/explore-career/)
- Resumes
- Cover letters
- Job/Internship search
- Interview preparation
- Mock interviews
- Graduate school search, applications and decisions
- Negotiating job or internship offers
- Professional networking
- Connecting with employers

Students are encouraged to meet with their Career and Internship Advisor early in their college experience to take full advantage of the resources and support available.

To make an appointment: log into Starfish (https://wisc.starfishsolutions.com/starfish-ops/) from the MyUW dashboard.

For more information, visit the School of Education Career Center website (https://careercenter.education.wisc.edu/) or reach out at career-center@education.wisc.edu.

Information about common career pathways, ways to get involved and gain experience, and transferrable skills developed through this major can be found on the School of Education Career Center's Theatre and Drama Pathways (https://careercenter.education.wisc.edu/explore-career/theatre-and-drama-career-pathways/) webpage.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

UW–Madison's vision for the total student experience, the Wisconsin Experience (https://wisconsinexperience.wisc.edu/about/), combines learning in and out of the classroom. Tied to the Wisconsin Idea (https://www.wisc.edu/wisconsin-idea/) and steeped in long-standing institutional values – the commitment to the truth, shared participation in decision-making, and service to local and global communities – the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

UW–Madison encourages students to mindfully engage in four core concepts throughout their time on campus: Empathy & Humility, Relentless Curiosity, Intellectual Confidence, and Purposeful Action (https://wisconsinexperience.wisc.edu/intellectual-confidence/).

Since its inception, the School of Education has embraced the concepts of the Wisconsin Experience, providing opportunities for students to learn in venues beyond the traditional classroom. Our students also independently seek out related activities and experiences, thus creating their own unique Wisconsin Experience.

THEATRE & DRAMA AND THE WISCONSIN EXPERIENCE

The spirit of the Wisconsin Experience and its core values sit at the center of the field of theatre and of all our activities in UW's Department of Theatre and Drama. Theatre is inherently communal and collaborative, engaging audiences from diverse communities to witness live performances reflecting the most important questions of our time. In the Department of Theatre and Drama we seek to embrace these qualities, to train creative, hardworking, ethical, collaborative, interdisciplinary artists, technicians, and scholars—local and global citizens equipped to take on the challenges of the present and future.

We do this through a wide range of opportunities for students on campus and beyond. Available resources include production opportunities in the University Theatre program with a focus on community engagement, social justice, and ties to the professional theatre community, opportunities for student led work in our season and through support of student organizations, curricular support for production and professional opportunities, access to guest artists, and work with Theatre and Drama faculty and staff research tied to the community.

University Theatre
The University Theatre (UT) program engages students on every facet of production, tied to the curriculum across all degree programs. The season is selected with an emphasis on providing student opportunities to apply their training in design, management, tech and performance, with an emphasis on community engagement and outreach to campus and local communities as well as to the professional theatre community through work with guest artists.

UT productions regularly engage with the Odyssey Program and PLACE, for student matinees and other programming, with Interdisciplinary Theatre Studies Program and African American Studies, supporting guest artists with the Lorraine Hansberry Fund, as well as Office of Multicultural Arts Initiatives (OMAI) and the UW Division of the Arts, to name a few.

Second Stage
The Department of Theatre and Drama also regularly supports work generated by students and other arts organizations across campus and from local communities. These projects are supported with the department's resources through an application process each semester.

Student Organizations
Theatre students also have an opportunity participate in student-run theatre groups. InterMission Theatre (IMT) (https://win.wisc.edu/organization/intermissiontheatre/) empowers students to create performance art through interdisciplinary collaboration. Saying Theatre (https://win.wisc.edu/organization/sayingtheatre/) presents and promotes Chinese culture through theatre arts.

Community Engaged Coursework
Several required and elective course offerings in Theatre and Drama are tied to the community and theatre professions. These include TD 100 Experiencing Theatre, which exposes students to world class theatre in Madison and globally as well as guest artists, as well as Theatre for Cultural and Social Awareness (TCSA). (https://theatre.wisc.edu/academics/theatre-for-cultural-and-social-awareness/)

Ties to the Profession
The University of Wisconsin-Madison Department of Theatre and Drama ensures its students are up-to-date with current practices in professional theatre through diverse initiatives. These include inviting industry professionals for class visits, organizing educational trips to companies such as Electronic Theatre Controls, INC. (ETC) to explore advanced technologies and American Players Theatre (APT), and facilitating residencies for professional artists through UT and special initiatives. These opportunities not only enhance students' academic journey but also equip them for prosperous careers in several fields of the theatre and entertainment industry.

Through coursework and practice, UT and Second Stage programming, as well as engagement in creative as well as through special research projects, students in Theatre and Drama have multiple opportunities to work with faculty and staff who are actively working in their fields on campus, locally and around the world. A few selected recent examples include work with faculty the Odyssey Program and the First-Wave Hip-Hop Theatre Program, internships, assisting, and paid opportunities for research in immersive Theatre, design for video games, as well as with professional local theatres and scholarly conferences.

Study Abroad
The UW Theatre in London (https://studyabroad.wisc.edu/program/?programId=330283) program offers students an opportunity to be immersed in Britain's rich tradition of theatre-making. Students engage in class discussions and readings about British theatre, and experience the culture, practice, methods, and results firsthand by attending a variety of productions abroad.

Career Advising and Internships
The School of Education Career Center (https://careercenter.education.wisc.edu/) has a designated advisor for art students who can provide connections with hourly campus employment, internships, and career options after graduation.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

Information about scholarships, academic and career advising, study abroad opportunities, student diversity services, and other resources for students in the School of Education can be found on the school's Resources (p. 1513) page.

THEATRE AND DRAMA: ACTING

REQUIREMENTS

REQUIREMENTS

Theatre and Drama majors with a primary interest in acting may audition for the Acting Option. This highly structured program of study offers students a deeper practical knowledge and experience of the skills required to pursue professional work as an actor and/or advanced studies in theatre. These students are highly mentored and will benefit from personalized performance reviews with the acting faculty at the end of each semester.

Admission is by audition only; auditions are announced at the midpoint of each semester. Students must have taken THEATRE 140 Voice 1: Effective Communication , THEATRE 150 Acting I: Introduction to Acting , THEATRE 367 Script Analysis and be enrolled in or have successfully completed THEATRE 250 Fundamentals of Acting before auditioning for the option. Students in the Acting Option are expected to audition for University Theatre (UT) productions to gain experience and support a robust UT season. Actors are encouraged to participate in these faculty-led projects if cast, however students may indicate if they are unable to be cast in a given production for excused academic, personal/family health, and/or financial reasons.

This named option will be formally documented on the student's official transcript. The option coursework listed here is one component of the BS Theatre and Drama (http://guide.wisc.edu/undergraduate/education/theatre-drama/theatre-drama-bs/#requirementstext) degree requirements.

Complete a minimum of 45 credits to include the following:

Code	Title	Credits
Core		
THEATRE/ENGL 120	Introduction to Theatre and Dramatic Literature	3
THEATRE 140	Voice 1: Effective Communication	3

THEATRE 240	Intermediate Voice Training	3
THEATRE 150	Acting I: Introduction to Acting	3
THEATRE 250	Fundamentals of Acting	3
THEATRE 350	Acting Realism	3
THEATRE 262	Backstage Practicum	1
THEATRE 631	Theories of Acting	3
THEATRE 367	Script Analysis	3
THEATRE 342	Fundamentals of Movement for the Stage	3
Choose four of the following:		12
THEATRE 351	Fundamentals of Asian Stage Discipline	
THEATRE 357	Introduction to Theatre for Cultural and Social Awareness	
THEATRE 440	Musical Performance for the Actor	
THEATRE 541	Acting Shakespeare	
THEATRE 352	Auditioning for Stage and Screen	
THEATRE 368	Fundamentals of Directing	
THEATRE 451	Acting for the Camera	
THEATRE 501	The Business of Acting	
Choose one of the following:		3
THEATRE 130	Fundamentals of Theatrical Design	
THEATRE 160	Technical Theatre Fundamentals	
THEATRE 234	Collaborative Problem Solving	
THEATRE 260	Producing Theatre	
THEATRE 364	Makeup for the Theatre	
Choose two of the following:		2
THEATRE 220	Scenic Studio Practicum	
THEATRE 221	Costume Studio Practicum	
THEATRE 222	Lighting & Sound Studio Practicum	
THEATRE 360	Performance in Practice	
If needed, additional Theatre courses to meet minimum of 45 credits		
Total Credits		**45**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Theatre and Drama Major: Acting Option

Sample Four-Year Plan

This four-year sample graduation plan is designed to guide your course selection throughout your academic career; it does not establish a contractual agreement. Use it along with your DARS report, the Guide, and the Course Search and Enroll app to create a four-year plan reflecting your placement scores, incoming credits, and individual interests. Consult with an academic advisor to develop a personalized plan of study and refer to the Guide for a complete list of requirements. You will likely revise your plan several times during your academic career here, based on your activities and changing academic interests.

Admission to the Acting Option is by audition only; auditions are announced at the midpoint of each semester. Students must have taken THEATRE 140 Voice 1: Effective Communication, THEATRE 150 Acting I: Introduction to Acting, THEATRE 367 Script Analysis, and be enrolled in or have successfully completed THEATRE 250 Fundamentals of Acting before auditioning for the option. Students who qualify for the Acting Option are expected to audition for University Theatre productions and play as cast.

Freshman

Fall	Credits	Spring	Credits
Communication A (fall or spring semester)	3	Communication A (fall or spring semester)	3
THEATRE 140	3	Quantitative Reasoning A	3
THEATRE 367	3	THEATRE 150	3
Liberal Studies course work	6-9	One of the following:	3
		THEATRE 130	
		THEATRE 160	
		THEATRE 234	
		THEATRE 260	
		THEATRE 364	
		Liberal Studies course work	3-6
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
THEATRE/ENGL 120[1]	3-4	THEATRE 240	3
THEATRE 250	3	THEATRE 350	3
THEATRE 342	3	THEATRE 262	1
Ethnic Studies	3	Quantitative Reasoning B	3
Liberal Studies course work	3	Liberal Studies, Theatre or General Elective course work	5
	15		**15**

Junior

Fall	Credits	Spring	Credits
Communication B[1]	3-4	Two of the following:	6
One of the following:	3	THEATRE 351	
THEATRE 351		THEATRE 352	
THEATRE 352		THEATRE 357	
THEATRE 357		THEATRE 368	
THEATRE 368		THEATRE 440	
THEATRE 440		THEATRE 451	
THEATRE 451		THEATRE 501	
THEATRE 501		THEATRE 541	
THEATRE 541		Liberal Studies, Theatre or General Elective course work	9
THEATRE 631	3		
Liberal Studies, Theatre or General Elective course work	5-9		
	15		**15**

Senior

Fall	Credits	Spring	Credits
One of the following:	3	Two of the following:	2-4
THEATRE 351		THEATRE 220	

	THEATRE 352		THEATRE 221	
	THEATRE 357		THEATRE 222	
	THEATRE 368		THEATRE 360	
	THEATRE 440		Liberal Studies, Theatre or General Elective course work	12-13
	THEATRE 451			
	THEATRE 501			
	THEATRE 541			
Liberal Studies, Theatre or General Elective course work		12		
		15		**15**

Total Credits 120

[1] THEATRE/ENGL 120 Introduction to Theatre and Dramatic Literature is a requirement of the Theatre and Drama major: Acting Option. The 4-credit option also satisfies the General Education Communication Part B requirement.

THEATRE, CERTIFICATE

The Certificate in Theatre may be completed by any University of Wisconsin–Madison undergraduate student who is not a declared Theatre major. Theatre is a collaborative art form with many varied disciplines and talents working together to create a unified piece of art.

This certificate program offers students the ability to develop knowledge and skills in the theatre discipline. The requirements are designed to be flexible enough for a student to pursue an individual area of interest (for example, in acting, in technical theatre, in costume design, or in stage management) or a combination. This flexible program allows students to shape an individualized plan on study in the certificate with an advisor, to support and/or complement studies in their major or field of study.

HOW TO GET IN

HOW TO GET IN

All current UW-Madison undergraduates are eligible to complete the certificate, with the exception of students completing the Theatre and Drama major.

To declare the certificate, students must meet with the theatre and drama academic advisor to discuss focus paths and to complete the theatre certificate declaration form.

REQUIREMENTS

REQUIREMENTS

The Certificate in Theatre requires a minimum of 16 credits, with at least 8 credits taken in residence. Completion of the certificate requires a minimum GPA of 2.5 in certificate coursework.

Code	Title	Credits
Choose two Foundational courses:		**6**
THEATRE 100	Experiencing Theatre (THEATRE 100 is a variable Credit Course (2 or 3 credits). If taken for 2 credits, an additional credit must be added from listed certificate courses to meet 16-credit certificate requirement.)	
THEATRE/ ENGL 120	Introduction to Theatre and Dramatic Literature	
THEATRE 130	Fundamentals of Theatrical Design	
THEATRE 140	Voice 1: Effective Communication	
THEATRE 150	Acting I: Introduction to Acting	
THEATRE 160	Technical Theatre Fundamentals	
Choose one Intermediate course:		**3**
THEATRE 219	Undergraduate Topics inTheatre and Drama	
THEATRE 234	Collaborative Problem Solving	
THEATRE 240	Intermediate Voice Training	
THEATRE 250	Fundamentals of Acting	
THEATRE 260	Producing Theatre	
THEATRE 266	Fundamentals of Stage Lighting Technology	
THEATRE 270	Fundamentals of Stagecraft	
Choose one Hands-On/Practicum course: [1]		**1-3**
Students may request to take similar courses in other departments to fulfill this requirement.		
THEATRE 262	Backstage Practicum	
THEATRE 360	Performance in Practice	
THEATRE 361	Backstage Laboratory II	
Choose two Focus-Specific courses:		**6**
THEATRE 327	History of Costume for the Stage	
THEATRE 329	Introduction to African-American Performance	
THEATRE 328	Material Culture for Performance Design	
THEATRE 342	Fundamentals of Movement for the Stage	
THEATRE 350	Acting Realism	
THEATRE 351	Fundamentals of Asian Stage Discipline	
THEATRE 352	Auditioning for Stage and Screen	
THEATRE 357	Introduction to Theatre for Cultural and Social Awareness	
THEATRE/ CURRIC/ SLAVIC 362	Drama for Teaching and Learning	
THEATRE 363	Costume Design I	
THEATRE 364	Makeup for the Theatre	
THEATRE 365	Sewing for the Theatre	
THEATRE/ ART 366	Stage Lighting I	
THEATRE 367	Script Analysis	
THEATRE 368	Fundamentals of Directing	

THEATRE 370	Drafting for the Theatre
THEATRE 371	Sound for Theatre
THEATRE/ ART 372	Set Design I
THEATRE 379	Introduction to Stage Management
THEATRE 431	History of Theatres and Staging
THEATRE 440	Musical Performance for the Actor
THEATRE 450	Acting Styles
THEATRE 466	Stage Lighting Design II
THEATRE 472	Scenic Painting
THEATRE 500	The Business of the Business
THEATRE 501	The Business of Acting
THEATRE 526	The Theatres of China and Japan
THEATRE 541	Acting Shakespeare
THEATRE 561	Backstage Laboratory III
THEATRE 563	Costume Design II
THEATRE/ ART 572	Set Design II
THEATRE 579	Advanced Concepts in Stage Management
THEATRE 597	Internship in Theatre
THEATRE 619	Special Topics in Theatre and Drama
THEATRE 631	Theories of Acting
Total Credits	**16**

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate basic proficiency in one or more areas of theatre study.
2. Demonstrate understanding of basic theatre concepts and methodology.

SCHOOL OF HUMAN ECOLOGY

The School of Human Ecology at UW–Madison is a place where faculty and advisors work closely with students to prepare them for careers that improve the quality of people's lives. Our majors are Community and Organizational Development; Consumer Behavior and Marketplace Studies; Design, Innovation, and Society; Human Development and Family Studies; Interior Architecture; Personal Finance; and Textiles and Fashion Design. Each program provides a solid curriculum of practical skills that lead students to exciting professions, a better understanding of people and our world, and a bachelor of science undergraduate degree.

Human Ecology is located in Nancy Nicholas Hall, a beautiful and recently renovated building that provides first-class, cutting-edge classrooms and studio spaces. Within these walls we connect students to their passions, helping them discover exciting careers and opportunities to make a meaningful impact on individuals, families, and communities. Faculty, students, and staff are dedicated to providing students with solid and meaningful education through coursework, internships, travel, student organizations, community involvement, research, and scholarship.

Learn more about Human Ecology and its majors at humanecology.wisc.edu (https://humanecology.wisc.edu/).

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Community and Organizational Development, BS (p. 1722)
- Consumer Behavior and Marketplace Studies, BS (p. 1726)
- Consumer Finance and Financial Planning, BS (p. 1730)
- Consumer Marketplace Studies, BS (p. 1733)
- Design Strategy, Certificate (p. 1741)
- Design, Innovation, and Society, BS (p. 1743)
- Human Development and Family Studies, BS (p. 1762)
- Individual Major, BS (p. 1768)
- Interior Architecture, BS (p. 1747)
- Material Culture Studies, Certificate (p. 1752)
- Personal Finance, BS (p. 1735)
- Textiles and Design, Certificate (p. 1754)
- Textiles and Fashion Design, BS (p. 1756)

ENTERING THE SCHOOL

ENTERING THE SCHOOL

APPLYING TO UW–MADISON

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate interest in a Human Ecology major on their UW–Madison application will be admitted to the Human Ecology program or pre-program of choice upon admittance to the university. In addition, students may indicate interest in a Human Ecology major when registering for Student Orientation, Advising, and Registration (SOAR).

VISITING CAMPUS AND HUMAN ECOLOGY

Human Ecology holds monthly visit events for prospective students and their families and guests.

View and register (https://www.admissions.wisc.edu/visitbucky/events.php?etypeid=22) for an upcoming visit event.

If you are unable to attend one of these dates, please contact the Human Ecology Advising and Career Center at 608-262-2608 or advising@sohe.wisc.edu to schedule an appointment.

CURRENT UW–MADISON STUDENTS

Students interested in the Human Ecology majors should refer to the program's "How to Get In" page or the Apply to Human Ecology (https://advising.humanecology.wisc.edu/academics/apply/) page for more information.

REENTERING STUDENTS

Students previously enrolled at the university who have not attended for a semester or more must complete a reentry application as outlined by the UW–Madison Office of Admissions and Recruitment (http://www.admissions.wisc.edu). Students who were enrolled in a School of Human Ecology program before their absence from UW–Madison will be readmitted to that program, provided they were in good academic standing when they left (i.e., not on probation, strict probation, or dropped by the university). Reentry applicants who were dropped by the university are asked to submit supplemental application materials. Instructions for the supplemental application are sent after the student has submitted the online reentry application.

Students who were previously enrolled in another UW–Madison school or college will not be admitted directly to a School of Human Ecology program. They must apply for reentry to the university with another school or college — usually the school or college in which they were previously enrolled. Once readmitted to the university, students may apply to the desired Human Ecology program through the application process for that program. For information about the school's programs and application processes, see Applying to Human Ecology as an On-Campus Student (http://admissions.wisc.edu/apply-as-a-reentry-student/).

It is recommended that students who have been readmitted to a School of Human Ecology program schedule an appointment with an academic advisor in the Advising & Career Center (https://advising.humanecology.wisc.edu/).

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

ACADEMIC ACTIONS

GRADING AND INCOMPLETES

The School of Human Ecology follows UW–Madison letter grade and notation standards. Please see Valid Grades (https://registrar.wisc.edu/valid-grades/) for notation definitions and standard regulations.

Incompletes. A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework. To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

For a short summary of the policy, see the Enrollment and Records - Incompletes section of Guide (p. 38).

Students are ineligible for the dean's list for the semester in which a grade of Incomplete is submitted.

ACADEMIC STANDING, PROBATION, AND DROPPED STATUS

- **Good Academic Standing.** Students are in good academic standing if their cumulative and most recent term (Fall, Spring, Summer) GPA are at least a 2.000. First-term students without a UW–Madison GPA are also in Good Academic Standing.
- **Probation.** A student with no previous action who earns a term GPA between 1.000 and 1.999 will be placed on probation.
- **Continued Probation.** A student on probation (or continued probation) whose cumulative GPA remains below 2.000 and whose term GPA is 2.000 or above will be placed on continued probation.
- **Strict Probation.** A student previously in Good Academic Standing with a current term GPA below 1.000 will be placed on strict probation. A student on probation whose term GPA is between 1.500 and 1.999 will be placed on strict probation.
- **Continued Strict Probation.** A student on strict probation or continued strict probation whose cumulative GPA remains below 2.000 but whose term GPA is 2.000 or above will be placed on continued strict probation.
- **Academic Dropped.** A student on probation whose term GPA is less than 1.500 or on strict probation whose term GPA is less than 2.000 will be dropped from the University for one year.

READMISSION AFTER ACADEMIC DROPPED STATUS

The purpose of an academic drop is to prevent students from further damaging their academic record and incurring tuition costs while not successfully earning credits. The expectation is for students to spend the year away from campus to reflect on and resolve the issues that resulted in their poor academic performance. Students who were academically dropped from the university are eligible for readmission consideration after one full calendar year. Students dropped for a third time will not be readmitted.

To reenter the university after one full year, a student must apply for readmission to the School of Human Ecology and for reentry to the university. A student is never guaranteed readmission after being dropped. Readmission is most likely if the student has addressed the issues that contributed to being dropped from the university and has a plan and resources to support a successful return.

To apply for readmission to Human Ecology and the University of Wisconsin–Madison after being dropped, a student must follow these steps:

1. Complete the Human Ecology Readmission Request Form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_8AI4WZBMjVSyMFD/).

To ensure readmission consideration, follow these deadlines:

- Summer or Fall Term – Apply by March 1
- Spring Term – Apply by October 1

2. Complete the university reentry application (https://admissions.wisc.edu/apply-as-a-reentry-student/).

3. Schedule an appointment with a Human Ecology Academic Dean by calling 608-262-2608 or emailing deansservices@sohe.wisc.edu.

- Be prepared to discuss your activities while away from UW, including steps taken to address the circumstances that led to being dropped from UW and transcripts from other institutions that you may have attended while away.
- Use this advising appointment to: (re)establish a relationship with your academic advisor, review your enrollment plan for the term you intend to return, and review your degree completion plan.

When making readmission decisions and assigning any readmission stipulations, the Human Ecology academic dean will consider evidence of a student's readiness to re-enroll at UW, academic activity at other institutions while dropped, and enrollment plans if readmitted. Students who are granted permission for re-entry after academic drop will be readmitted on strict academic probation to the School of Human Ecology.

DECLARING MULTIPLE MAJORS

School of Human Ecology undergraduates can declare an additional undergraduate major in the College of Letters & Science and a limited number of majors in the School of Education and College of Agriculture and Life Sciences. This option is most often referred to as a "Double major" and is not a second or dual degree (see below). The additional major is noted on the student's transcript if all requirements of the second major are completed. School of Human Ecology students must plan to finish all additional academic programs concurrently with their Human Ecology degree.

EARNING DUAL DEGREES

Completing two degrees simultaneously (also referred to as Dual Degrees) is when a student completes two bachelor's degree programs and will receive two undergraduate degrees, as opposed to multiple transcript majors. Students interested in completing dual degrees should consult with their academic advisor early in their academic career and complete a four-year plan to understand the feasibility of completing requirements for both degrees. Earning a dual degree requires students to:

1. Earn an additional 30 credits specific to the second major,
2. Earn a minimum of 150 degree credits to graduate,
3. Complete all curriculum requirements for both degrees,
4. Ensure the two programs are substantially different from each other,
5. Complete coursework in both programs simultaneously,
6. Complete the Dual Degree Policy Request form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_8AI4WZBMjVSyMFD/) and secure Academic Dean's permission.

Students are responsible for any rules or regulations that could potentially impose additional financial responsibilities as a result of pursuing dual degrees. Please note that some campus schools and colleges do not permit dual degrees for their students, thus preventing Human Ecology degree combinations with degrees in these schools and colleges.

Before the start of the senior year in residence, students must meet the criteria for admission to both programs, secure academic dean and department approval to enroll, and the two degree programs' curriculum must differ substantially. Human Ecology curriculum does not substantially differ enough to allow dual degrees with two Human Ecology majors.

The two degrees must be earned from two different schools/colleges at UW–Madison. Admission into the other school/college shall be based on the admission criteria for that school/college. Written admission/Dean's approval to the other school/college must be obtained before pursuing Human Ecology approval.

RESIDENCY REQUIREMENT

School of Human Ecology undergraduate students must earn a minimum of 30-degree credits in residence at UW–Madison. Credits are considered "in residence" if they are earned through UW–Madison course work, including courses taken on a UW–Madison administered study abroad program. Retroactive credits, transfer credits, AP credits, and credits granted by examination are not considered "in residence."

CREDIT OVERLOAD

A full-time student credit load is 12 to 18 credits, with the most typical credit load being 15 to 16 credits per fall/spring semester. A student wishing to enroll in more than 18 credits in a fall/spring semester or 12 credits in the summer must complete a Credit Overload Request (https://uwmadison.co1.qualtrics.com/jfe/form/SV_8AI4WZBMjVSyMFD/) to obtain dean's approval. The maximum credits allowed with Dean's approval for fall/spring term is 21 credits, and summer term is 13 credits. These credit limits are inclusive of credits enrolled in at another institution, which may result in credits not being accepted at UW–Madison if approval is not secured in advance. Students should speak with their academic advisor prior to requesting a credit overload to ensure the overload is necessary and understand the workload and financial implications. Credit overload approvals will be based on prior academic performance and necessity.

PASS/FAIL

The privilege of electing courses on a pass/fail basis is extended to undergraduate students in the school. Students who are in good academic standing (not on probation) may elect one course on a pass/fail basis per term. The summer sessions collectively count as one term. **A course taken pass/fail must be an elective.** A student may **not** take a required course or a prerequisite to a required course under this privilege. A maximum of 16 pass/fail credits may be counted toward a BS degree from the School of Human Ecology. **Courses taken pass/fail will count toward degree credits but will be excluded in the computation of grade point average and honors**.

Requests to take a course under the pass/fail privilege are initiated through the Course Change Request in the MyUW (http://my.wisc.edu) Student Center and must be elected by the noted enrollment Dates and Deadlines (https://registrar.wisc.edu/dates/). After making the request in MyUW, the request is routed to the Advising & Career Center for approval or further communication.

The registrar will convert final grades submitted by the instructor, who is not informed of the student's pass/fail status, to an S (pass) for grades A, AB, B, BC, or C, and to a U (fail) for a grade of D or F. The grade is excluded from the GPA.

CONCURRENT ENROLLMENT

Human Ecology students may enroll in a class(es) at another institution while being enrolled at UW–Madison without special permission but must follow the credit limit and credit overload policies (https://registrar.wisc.edu/credit-load-and-ranges/). Students should consult with their academic advisor, Course Equivalency Service (https://registrar.wisc.edu/course-equivalency-service/), or Transferology (https://kb.wisc.edu/registrar/page.php?id=122108) to confirm the course will transfer to UW–Madison prior to enrolling. Upon completion of the non-UW–Madison courses, students must submit their transcripts with final grades to the Admissions Office (https://registrar.wisc.edu/transfer-your-credit-to-uw-madison/) for evaluation.

- **Concurrent Enrollment at UW Extension/UW Independent Learning:** Students concurrently enrolling in UW Extension/UW Independent Learning (https://uwex.wisconsin.edu/aas/uwex_landing_pages/aas-il-paid_search/?lead_source=PaidSearchGoogle&kw=uw%20independent%20learning&_bt=618815558309&_bm=e&gclid=CjwKCAiAnZCdBhBmEiwA8nDQxYjU54Vk9sFDEdjstr_uPEHB9qU50pglRWR4DvbmHCYbBFy5qwSxoCvaAQAvD_BwE) courses should see more information Independent Learning Tuition Waiver (https://advising.humanecology.wisc.edu/academic-dean-services/#:~:text=UW%2DExtension%20Independent%20Learning%20Tuition%20Waiver).
- **Studying Abroad and Concurrent Enrollment**: Students studying abroad through International Academic Programs (IAP) (https://studyabroad.wisc.edu/) must contact IAP regarding restrictions and tuition rules to concurrent enrollment and the UW Independent Learning waiver. See more information (https://advising.humanecology.wisc.edu/academics/frequently-asked-questions/#studying-abroad) or speak with an academic advisor.

APPEALS

LATE DROP, WITHDRAWAL, OR MEDICAL WITHDRAWAL PETITIONS

Human Ecology students are expected to follow the Dates and Deadlines (https://registrar.wisc.edu/dates/) for adding and dropping courses outlined by the Office of the Registrar. Students considering a change in their enrollment are expected to speak with their academic advisor and take action before published university deadlines.

- **Late Drop -** A course drop is when a student decides to discontinue in one (or more) course(s) while continuing with at least one course in a term. A late drop appeal is when a student is requesting an exception to the drop deadline. It is only in rare non-academic circumstances outside of a student's control that exceptions to the drop deadline policy (https://registrar.wisc.edu/dates/) are approved, and never simply to avoid a poor grade. Students who face significant, unforeseeable circumstances outside of their control that negatively impact their ability to successfully complete a course(s) should schedule an appointment with their academic advisor or Human Ecology Deans' Services (deansservices@sohe.wisc.edu) and complete the Late Add/Drop Petition form (https://uwmadison.co1.qualtrics.com/jfe/form/SV_8AI4WZBMjVSyMFD/).
- **Withdrawal (non-medical)** - Students who do not wish to continue taking classes and drop all of their courses in a term are withdrawing/canceling their enrollment and must follow the Steps to Withdraw (https://kb.wisc.edu/registrar/25601/). Students may choose to withdraw for a variety of personal or financial reasons without dean's permission when processed by the university deadline. Students may be required to complete the Reentry Form (https://admissions.wisc.edu/apply-as-a-reentry-student/) to enroll in a future semester.
- **Medical Withdrawal** - Students who wish to withdraw as a result of a serious or unexpected physical or mental health condition, a serious or unexpected physical or mental health condition of an immediate family member who requires the student's care, or the death of an immediate family member that completely precludes the student from actively participating as a student can request a partial tuition refund according to the Medical Withdrawal process (https://registrar.wisc.edu/medical-withdrawal/). Students requesting a medical withdrawal and refund must complete the Steps to Withdraw (https://kb.wisc.edu/registrar/25601/), meet with Human Ecology Deans' Services (deansservices@sohe.wisc.edu), and provide required documentation within one year of the semester enrolled. Approval will be granted on a case-by-case basis.

A Drop (DR) or Withdrawal (W) transcript notation after the enrollment deadline is a national standard across universities and colleges to indicate when a student makes an enrollment change after the start of the semester, which has no negative impact on a student's academic record. Because students may drop courses for a wide variety of reasons, future employers and graduate/professional programs do not scrutinize or make any assumptions about the merits of a "DR" or "W." It is simply a notation that students have made an enrollment change after the deadline.

APPEAL OF A HUMAN ECOLOGY GRADE

A student who believes a grade received in a Human Ecology course was an error or not consistent with guidelines outlined in the syllabus or campus standards has the right to appeal the grade.

1. The student must first discuss the grade dispute with the instructor of the course.
2. If the student and instructor cannot come to an agreement, the student will provide a formal written grade appeal to the Human Ecology Deans' Services. The written appeal must include the class, instructor, grade received, date and conclusion of the meeting with the instructor, the specific reason(s) for appealing the grade, and telephone number where they can be reached for follow-up. Send to Human Ecology Deans' Services. (deansservices@sohe.wisc.edu)
3. The department chair will perform the due diligence necessary (including, but not limited to, meeting with the instructor and student) to assess the merits of the appeal and will provide a decision in writing to the assistant dean.
4. Should the student wish to further appeal the decision, the Human Ecology Undergraduate Program Council will perform the due diligence necessary (which may include, but is not limited to, meeting with the instructor and department chair and/or student) to assess the merits of the appeal and will provide a decision in writing to the assistant dean.
5. The Human Ecology Undergraduate Program Council appeals decision is final.

APPEAL OF DENIAL OF ADMISSION TO A HUMAN ECOLOGY UNDERGRADUATE MAJOR/CERTIFICATE

This appeal process is for students who were denied admission to a Human Ecology undergraduate program. Students who feel they have a compelling reason to appeal their admissions decision may do so in writing by the deadline indicated in the admission letter. Appeals must satisfy one of the following factors to be considered:

- The student believes a factual error was self-reported on the application or made by the admissions committee during review of the application.
- There is new information regarding academic or non-academic extenuating circumstances.

While admission appeals satisfying the above conditions will be reviewed by the admissions committee, it is important to understand that simply meeting these criteria in no way guarantees acceptance into the program.

Filing an Appeal

1. The student will file a letter of program admission appeal to Human Ecology Dean's Services (deansservices@sohe.wisc.edu), stating the facts of the situation based on one or both of the conditions listed above and include the student's telephone number where they can be reached for follow-up. Any additional documentation or supporting evidence should be titled and attached to the letter of appeal. The deadline by which a student must file an appeal will be written in the denial letter for the undergraduate program in question. For a situation where grades/credits were not posted to a student's record prior to applying to the program, the student record must be complete with grades and credits on the official UW–Madison record by the time the appeal is filed to be considered.
2. The Academic Dean will forward the appeal to the appropriate departmental admissions committee. The admissions committee will perform the due diligence necessary to assess the merits of the new information for the appeal.
3. The Academic Dean will communicate the decision to both the student and departmental admissions committee in writing.
4. Should the student wish to further appeal the decision in the case of extenuating circumstances, the Academic Dean will forward the appeal to the Human Ecology Undergraduate Program Council (UPC). The UPC will perform the due diligence necessary (which may include, but not limited to, meeting with the admissions committee, department chair, and/or student) to assess the merits of the appeal.
5. The Academic Dean will communicate the decision to the student and the admissions committee in writing. The Human Ecology Undergraduate Program Council's (UPC) decision is final.

APPEAL OF BEING DROPPED FROM UW–MADISON FOR ONE YEAR

Human Ecology students who are dropped from the university based on academic performance are permitted to appeal for readmission consideration immediately after being dropped. Students with documentation of special circumstances outside their control, evidence that these circumstances have changed, and realistic strategies in place to improve their academic performance have the greatest likelihood of a successful appeal. Students who do not appeal before the deadline must wait at least one full calendar year before being eligible for readmission consideration.

Filing An Appeal

1. Students wishing to appeal their dropped status must meet with Human Ecology Dean's Services (deansservices@sohe.wisc.edu) and complete the Dropped Status Appeal Form (https://uwmadison.qualtrics.com/SE/?SID=SV_6Lv7QPa3P6Ay7mR) prior to the deadline outlined in their dropped status notification. An Academic Dean will explore with the student the purpose of the drop process and circumstances that led to the drop and provide guidance on writing the appeal.
2. The Dean will submit the appeal, academic transcript, and additional background information to the Human Ecology Undergraduate Program Council (UPC) for review. UPC will make a decision regarding the appeal before the beginning of the next term.
3. The Academic Dean will communicate the appeal decision to the student in writing. If the appeal is granted, the student will be readmitted to the university on strict probation. If the appeal is not granted, the dropped status is upheld, all courses will be administratively dropped, and the student is eligible for readmission consideration **one full calendar year after the dropped date**.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

HUMAN ECOLOGY GENERAL EDUCATION REQUIREMENTS

Seven undergraduate majors are available in the school. There are common general education requirements for all Human Ecology majors, but these are reflected differently in each program. Please review each major requirement page for the specific general education courses needed for the degree.

Code	Title	Credits
Literature		**3**
Select 3 credits designated Literature breadth		
Humanities [1]		**6**
Social Science		**9**
Select 9 credits designated Social Science breadth		
Physical, Biological, and Natural Science		**9**
Select 9 credits designated Physical, Biological, and/or Natural Science breadth		
Human Ecology Breadth		
Select 3 credits in the School of Human Ecology taken outside the major not otherwise included in the program requirements		3
Major Requirements and Electives		
Minimum total for graduation: 120 credits with no fewer than 25 credits taken within the School of Human Ecology.		

[1] Human Ecology will accept as humanities credit courses from designated humanities breadth courses as well as the following areas or departments: art, art history, classics, English, foreign languages (including beginning languages), cultural history, history of science, integrated liberal studies, literature (including comparative literature), music (including applied music), philosophy, communication arts, studies of cultures—e.g., African studies, East Asian studies, Hebrew and Semitic studies, South Asian studies, Scandinavian studies.

REQUIREMENTS FOR GRADUATION

The bachelor of science (BS) degrees granted by the School of Human Ecology require a minimum total of 120 credits, with a minimum of 25 credits in the school. To remain in good academic standing, students must maintain a minimum GPA of 2.0. A 2.0 cumulative GPA must be earned by the end of the senior year in order to be recommended for a BS degree.

The School of Human Ecology will graduate a student at the end of the semester (spring, summer, or fall) in which all Human Ecology major requirements are complete. Graduation will not be postponed for incomplete additional major(s), certificate program (s), specialization(s), study abroad, or honors program(s). It is the student's responsibility to prepare for graduation and to ensure that all graduation requirements have been met. Students expecting to graduate and/or participate in commencement exercises should declare their intent through the My UW Student Center in accordance with campus deadlines.

RESOURCES

RESOURCES AND SCHOLARSHIPS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Career Development

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through advising and integration of career readiness throughout our curriculum.

To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

SCHOLARSHIPS AND SUPPORT RESOURCES

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://

basicneeds.students.wisc.edu), Office of Student Assistance and Support (https://osas.wisc.edu), and University Health Services (https://www.uhs.wisc.edu).

HONORS

HONORS

DEAN'S HONOR LIST

At the end of each semester, the names of all students with a grade point average of 3.75 or higher in at least 12 graded credits for that semester will be included on the Dean's Honor List. A notation of "Dean's Honor List" will be entered on the student's transcript.

GRADUATION WITH DISTINCTION

"Graduation with Distinction" will appear on the transcripts of students who have earned a cumulative grade point average that places them *within the top 20%* of students graduating that term in their school or college with 60 credits or more at the University of Wisconsin–Madison.

Students *in the top 5%* will receive the designation "Graduation with Highest Distinction." The Office of the Registrar determines whether students have met these criteria. Notations citing graduation distinction will be made on the transcript.

HONORS PROGRAM

Students interested in pursuing a course with honors or a Human Ecology honors program should consultant their academic advisor.

CIVIL SOCIETY AND COMMUNITY STUDIES

The Department of Civil Society and Community Studies offers a bachelor of science degree in Community and Organizational Development and a PhD in Human Ecology: Civil Society and Community Research. The Community and Organizational Development major prepares its graduates for careers spanning community and organizational development, nonprofit management, social justice activism, community organizing, social entrepreneurship, corporate social responsibility, higher education, government, social service agencies, and more. It also offers excellent preparation for graduate school in areas such as law, medical and public health advocacy, public policy, human ecology, and more. Academic requirements include specialized emphases in human ecology; general studies in humanities, social sciences, and natural sciences; and coursework focused on community impact and social change processes. Students may also engage in complementary coursework, undergraduate certificates, or additional undergraduate majors.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Community and Organizational Development, BS (p. 1722)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Career Development

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through advising and integration of career readiness throughout our curriculum.

To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

SCHOLARSHIPS AND SUPPORT RESOURCES

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu), Office of Student Assistance and Support (https://osas.wisc.edu), and University Health Services (https://www.uhs.wisc.edu).

COMMUNITY AND ORGANIZATIONAL DEVELOPMENT, BS

The Bachelor of Science degree in Community & Organizational Development (https://humanecology.wisc.edu/academics/undergraduate-majors/community-nonprofit-leadership/) prepares students to advance positive change through communities and organizations.

Students tackle community, organizational, and societal challenges in collaboration with their peers and real-world partners, clients, and communities. Through project-based learning, applied research, and internship experiences, students learn how to make a positive human-centered impact on communities and society in meaningful and lasting ways.

The Community & Organizational Development degree allows students to tailor their learning and career pathways. Students are prepared for a variety of careers spanning community and organizational development, nonprofit management, executive leadership, social justice activism, community organizing, social entrepreneurship, corporate social responsibility, higher education, government, philanthropy, social service agencies, and more. It also offers excellent preparation for graduate school in areas such as law, medical and public health advocacy, public policy, human ecology, and more.

In addition to the hundreds of community-based organizations in the city of Madison, the Center for Nonprofit Studies (CommNS) (https://commnsknowledge.wisc.edu/), housed in the School of Human Ecology, provides students with a hub for community-engaged teaching, research, and outreach focused on advancing the work of the civic and nonprofit sector. Students can participate in innovative non-profit initiatives, network with community and organizational leaders, and attend annual conferences, workshops, and speaker series.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Students within their first 60 GPA credits at UW-Madison

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.
GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within the first 60 GPA credits: Minimum 2.750 cumulative GPA based on all UW-Madison coursework.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

All other UW–Madison students (who do not meet the declaration criteria above)

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	None.
GPA requirements to get in	None.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a spring start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate interest in Community and Organizational Development on their UW–Madison application will be admitted to the major upon admittance to the University. In addition, students may indicate interest in Community and Organizational Development when registering for Student Orientation, Advising, and Registration (SOAR).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world.

Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Statistics		
Select one of the following:		3-4
STAT 301	Introduction to Statistical Methods	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 371	Introductory Applied Statistics for the Life Sciences	
PSYCH 210	Basic Statistics for Psychology	
ECON 310	Statistics: Measurement in Economics	
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
Select 9 credits from Social Science		9
Physical, Biological and Natural Science		
Select 9 credits from Physical, Biological and Natural Science		9
Human Ecology Breadth		
Select a Human Ecology course from CNSR SCI, DS, HDFS, or INTER-HE not otherwise included in the program requirements		3
Total Credits		**33-34**

COMMUNITY AND ORGANIZATIONAL DEVELOPMENT REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Community and Organizational Development Core Courses		
CSCS 125	Community and Social Change	3
CSCS 300	Nonprofit Sector: Overview and Foundations	3
CSCS 345	Evaluation and Planning for Community and Nonprofit Organizations	3
CSCS 510	Design & Write Grant Proposals	3
CSCS 570	Community Based Research and Evaluation	3
CSCS 600	Community Leadership Portfolio Capstone	3
Community and Organizational Development Pathways		
Select 9 credits from one of the following depth areas:		9
Community Transformation and Innovation		
CSCS 155	Social Media for Social Justice	
CSCS 255	Introduction to Social Innovation	
CSCS/ AMER IND 330	American Indian Communities: Sovereignty, Struggles, and Successes	
CSCS 410	Human Trafficking: Global and Local Perspectives	
CSCS 455	Entrepreneurialism and Society	
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	
CSCS 500	Global Health and Communities: From Research to Praxis	
CSCS 555	Community and Social Innovation Lab	
Organizational Development		
CSCS 335	Communicating with Key Audiences	
CSCS 400	Philanthropy and Civic Engagement	
CSCS 430	Fundraising & Development for Nonprofit Organizations	
CSCS 460	Civil Society and Community Leadership	
CSCS 530	Purpose-Driven Organizations	
Create Your Own Depth Pathway		
Any CSCS courses not otherwise taken to satisfy the program requirements (https://guide.wisc.edu/courses/cscs/)		
Professional Development		
CSCS 254	Career Pathways in Community & Organizational Development	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Electives		
Select electives to fulfill degree requirement of 120 credits		
Total Credits		**32**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. (Ecological perspectives on community and society) Articulate and apply an ecological perspective at discrete levels of analysis (individual, group, community, and society).
2. (Civic literacy and the public sphere) Assess the major trends in civil society recognizing the influence and interconnectedness across the major sectors of society and exhibit strong capacity for sustained, high impact participation in civic life.
3. (Identity, diversity, and social justice) Recognize well-being and social justice as relational and position, applying these principles in community organizing and empowerment.
4. (Organizational management and professional development) Demonstrate entry-level knowledge and skills relevant to nonprofit and community organizations and exhibit the practices of a lifelong learner.
5. (Research, analysis, and communication) Vet and/or generate high quality data, perform relevant analyses, and share results with target audiences using oral, written, and visual communication techniques.
6. (Leadership, ethics, and well-being) Recognize the value of being a reflective, ethical leader who cultivates others’ strengths and leadership capabilities, while exhibiting self-care and care for others.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Community and Organizational Development. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
Ethnic Studies	3	Social Science	3
Quantitative Reasoning A	3	Human Ecology Breadth	3
Science	3	Science	3
Humanities	3	CSCS 125	3
		CSCS 254	1
	15		**16-17**

Sophomore

Fall	Credits	Spring	Credits
Human Ecology Breadth	3	Literature	3
Social Science	3	Science	3
Humanities	3	Social Science	3
Elective	3	Elective	2
CSCS 300	3	INTER-HE 202	1
		CSCS 345	3
	15		**15**

Junior

Fall	Credits	Spring	Credits	Summer	Credits
CSCS 510	3	Community and Organizational Development Depth	3	CSCS 601	3
Statistics (Quantitative Reasoning B)	3	Elective	3		
Elective	3-4	Elective	3		
Elective	3	Elective	3		
Elective	3	Elective			
	15-16		**12**		**3**

Senior

Fall	Credits	Spring	Credits
CSCS 570	3	CSCS 600	3
Community and Organizational Development Depth	3	Community and Organizational Development Depth	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 121-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

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academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

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Career Development

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Common job titles include, but are not limited to:

- Account Manager/Account Executive
- Annual Giving Director
- Business Development Representative
- Camp Counselor/Director
- Campaign Executive
- Communications & Development Coordinator
- Customer Engagement Manager
- Event Coordinator
- Project Assistant/Manager

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

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SUPPORT RESOURCES

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CONSUMER SCIENCE

The Department of Consumer Science studies interactions among consumers, business, and government in order to advance the well-being of consumers, families, and communities. The department is multi-disciplinary, including study in economics, finance, sociology, psychology, marketing, and public affairs. The Department of Consumer Science offers two undergraduate degree programs, Consumer Behavior & Marketplace Studies and Personal Finance. Both programs focus broadly on the economic well-being of consumers and society. The department also offers MS and PhD degrees in Human Ecology: Consumer Behavior and Family Economics.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Consumer Behavior and Marketplace Studies, BS (p. 1726)
- Consumer Finance and Financial Planning, BS (p. 1730)

- Consumer Marketplace Studies, BS (p. 1733)
- Personal Finance, BS (p. 1735)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

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SCHOLARSHIPS AND SUPPORT RESOURCES

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Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu), Office of Student Assistance and Support (https://osas.wisc.edu), and University Health Services (https://www.uhs.wisc.edu).

CONSUMER BEHAVIOR AND MARKETPLACE STUDIES, BS

The Bachelor of Science degree inConsumer Behavior & Marketplace Studies (https://humanecology.wisc.edu/academics/undergraduate-majors/consumer-behavior-marketplace-studies/)#integrates research and knowledge from sociology, psychology, marketing, public affairs, economics and finance to understand, develop and improve the global customer experience. Students learn to analyze and solve problems from a people-first, and therefore a consumer-first perspective.

Our experienced faculty guide students through an applied and project-based curriculum that prepares them for careers in a variety of diverse and rapidly growing companies around the world. As a Consumer Behavior & Marketplace Studies major, students will learn to apply both creative and analytical skills to better understand and improve the global customer experience from a human-centered approach. Active student learning is accomplished with the support and guidance of faculty, industry experts, and researchers.

Consumer Behavior & Marketplace Studies majors complete a required internship before graduating, allowing them to further pursue their own personal interests and to further develop a strong portfolio of knowledge and experience that will propel them to launch successful careers.

Students in the major benefit from theKohl's Center for Retailing (https://badgersinretailing.wisc.edu/), housed in the School of Human Ecology. The Center offers opportunities for students to network with industry partners, participate in case competitions, and attend trade shows and industry conferences. Additionally, as aNational Retail Federation University Member (https://nrf.com/membership/nrf-university-membership/) and Fashion Scholarship Fund (https://www.fashionscholarshipfund.org/about/) member students gain the skills and resources needed for a life-changing career in a dynamic and growing global retail industry.

Potential career areas could be, and are not limited to:

- Consumer Insights and Analytics
- Merchandise Buying and Planning
- Media and Public Relations
- Product Development
- Brand Management
- Advertising, Marketing and Promotions
- Social Media and Content Development
- Corporate Social Responsibility
- Entrepreneurship
- Consulting

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Students in their first year of enrollment at UW-Madison

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.
GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within their first year of enrollment at UW-Madison: Minimum 2.750 cumulative GPA based on all UW-Madison coursework.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

All other students (who do not meet the declaration criteria above)

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	None.
GPA requirements to get in	None.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a spring start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate interest in Consumer Behavior and Marketplace Studies on their UW–Madison application will be admitted to the major upon admittance to the University. In addition, students may indicate interest in Consumer Behavior and Marketplace Studies when registering for Student Orientation, Advising, and Registration (SOAR).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Math		
Select one of the following (or may be satisfied by placement exam):		0-3
MATH 112	College Algebra	
MATH 114	Precalculus	
Statistics		
Select one of the following:		3-4
STAT 301	Introduction to Statistical Methods	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 371	Introductory Applied Statistics for the Life Sciences	

PSYCH 210	Basic Statistics for Psychology	
ECON 310	Statistics: Measurement in Economics	
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
ECON 101	Principles of Microeconomics	4
Select 6 credits designated Social Science breadth		6
Physical, Biological and Natural Science		
Select 9 credits from Physical, Biological and Natural Science		9
Human Ecology Breadth		
Select a Human Ecology course from CSCS, DS, HDFS, or INTER-HE not otherwise included in the program requirements		3
Total Credits		**34-38**

CONSUMER BEHAVIOR AND MARKETPLACE STUDIES REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Consumer Behavior and Marketplace Studies Core Courses		
CNSR SCI 257	Introduction to Retail	2
CNSR SCI 201	Consumer Insights [2]	3
CNSR SCI 175	Introduction to Consumer Finance	3
CNSR SCI 657	Consumer Behavior	3
CNSR SCI 564	Retail Financial Analysis [2]	3
CNSR SCI 555	Consumer Design Strategies & Evaluation [2]	3
Accounting Course		
Select one course from the following:		3
ACCT I S 300	Accounting Principles	
ACCT I S 100	Introductory Financial Accounting	
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	
Excel Proficiency		
Select one course from the following:		1-2
GEN BUS 106	Foundational Skills for Business Analysis	
A A E 335	Introduction to Data Analysis using Spreadsheets	
Consumer Behavior and Marketplace Studies Depth		
Select one course from the following:		3
CNSR SCI 301	Consumer Analytics [2]	
CNSR SCI 561	Consumer Engagement Strategies [2]	
CNSR SCI 562	The Global Consumer [2]	
CNSR SCI 567	Product Development Strategies in Retailing [2]	
Consumer Science Depth		
Select 6 credits from the course list below not otherwise taken in the Consumer Behavior and Marketplace Studies Depth category:		6
CNSR SCI/ RELIG ST 173	Consuming Happiness	
CNSR SCI 255	Consumer Financial Services Innovation	
CNSR SCI 273	Finances & Families	
CNSR SCI 301	Consumer Analytics [2]	
CNSR SCI 340	Building Financial Assets and Capability for Vulnerable Families	
CNSR SCI 360	Sustainable and Socially Just Consumption	
CSCS 455	Entrepreneurialism and Society	
CNSR SCI/ HDFS 465	Families & Poverty	
CNSR SCI 477	The Consumer and the Market [2]	
CNSR SCI 501	Special Topics	
CNSR SCI 561	Consumer Engagement Strategies [2]	
CNSR SCI 562	The Global Consumer [2]	
CNSR SCI 567	Product Development Strategies in Retailing [2]	
CNSR SCI 579	Consumer Policy Analysis	
Professional Development		
CNSR SCI 250	Retail Leadership Symposium [1]	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Electives		
Select electives to bring degree credit total to 120		
Total Credits		**35-36**

[1] CNSR SCI 250 Retail Leadership Symposium may be repeated for up to three credits. Credits in addition to the one required credit will be counted as elective credits.

[2] Consider the course prerequisites when planning.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Invoke interdisciplinary and collaborative approaches to understand the interactions between individuals and their social and environmental contexts.
2. Demonstrate the ability to harness, analyze and interpret relevant data for making real world decisions.
3. Acquire professional and life skills related to workplace communication, teamwork, active listening and adapting to technology.
4. Demonstrate an understanding of the global retail industry and how retailers can enhance consumer well-being.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Consumer Behavior and Marketplace Studies. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Please note there are several prerequisites required for course sequencing within the major. View prerequisites by clicking on the course links in the plan below. Some examples include:

- Statistics course and Excel proficiency before CNSR SCI 201 Consumer Insights
- Accounting and Excel proficiency before CNSR SCI 564 Retail Financial Analysis
- CNSR SCI 657 Consumer Behavior before CNSR SCI 555 Consumer Design Strategies & Evaluation

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
Ethnic Studies	3	ECON 101	4
MATH 112	3	Humanities	3
Science	3	Science	3
Elective	2	Human Ecology Breadth	3
	14		**16-17**

Sophomore

Fall	Credits	Spring	Credits
CNSR SCI 250	1	Literature	3
CNSR SCI 257	2	Science	3
STAT 301 (or other Statistics course from requirement list)	3	Elective	2
Humanities	3	CNSR SCI 175	3
GEN BUS 106 or A A E 335 (Excel proficiency)	1-2	CNSR SCI 201	3
Social Science	3	INTER-HE 202	1
	13-14		**15**

Junior

Fall	Credits	Spring	Credits	Summer	Credits
ACCT I S 100, 300, or GEN BUS 310	3	CNSR SCI 564	3	CNSR SCI 603	3
Social Science	3	CNSR SCI 657	3		
Elective	3-4	Elective	3		
Elective	3	Elective	3		
Elective	3	Elective	3		
	15-16		**15**		**3**

Senior

Fall	Credits	Spring	Credits
Elective	3	CNSR SCI 555	3
Consumer Behavior & Marketplace Studies Depth	3	Consumer Science Depth	3
Consumer Science Depth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	2
	15		**14**

Total Credits 120-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Career Development

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development

process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through advising and integration of career readiness throughout our curriculum.

To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

Common job titles include, but are not limited to:

- Account Executive/Manager
- Buyer
- Brand Manager
- Business Development Representative
- Consultant
- Customer Success Manager
- Inventory Analyst
- Merchant
- Social Media Manager

Other Career Resources

Kohl's Center for Retailing – connects industry partners with students to develop forward-thinking leaders of the future.

NRF University Member - The NRF Foundation provides the skills and resources needed for a life-changing career. As NRF's nonprofit 501(c)(3), they connect people to an industry that's a great place to start and a great place to grow. Together, they help people build better lives and stronger communities.

Fashion Scholarship Fund Member - The Fashion Scholarship Fund awards scholarships to help FSF Member School students succeed in all sectors of the industry including design, merchandising, marketing analytics, and business strategy. The FSF also provides scholars with a wide range of internship and career opportunities, mentorship, networking, professional development, and unprecedented access to the industry's most influential leaders and companies.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

CONSUMER FINANCE AND FINANCIAL PLANNING, BS

Admissions to the Consumer Finance and Financial Planning BS were suspended as of spring 2024 and will be discontinued as of summer 2032. If you have any questions, please contact the department (https://www.online.wisc.edu).

This program provides an opportunity for students to complete the BS Consumer Finance and Financial Planning degree at a distance. This option is ideal for returning students with some college credits who would like to complete the program in a flexible online format, with no on-campus attendance required. This program is interdisciplinary with an emphasis on financial management and the economic well-being of individuals and families. Topics include financial counseling, coaching, wealth management, financial product development, financial technology, and consumer behavior. Completion of the program and one additional elective course will make graduates eligible to sit for the Certified Financial Planner® (CFP) exam, which Human Ecology students pass well above the national average.

HOW TO GET IN

Admissions to the Consumer Finance and Financial Planning BS were suspended as of spring 2024 and will be discontinued as of summer 2032. If you have any questions, please contact the department (https://www.online.wisc.edu).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Math		
MATH 112	College Algebra	3
Or higher (not MATH 141) unless exempt through placement exam		
Statistics		*3*
STAT 301	Introduction to Statistical Methods	
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
ECON 101	Principles of Microeconomics	4
ECON 102	Principles of Macroeconomics	3-4
Choose any designated Social Science breadth course to bring total credits to 9		3
Physical, Biological, or Natural Science		9
Human Ecology Breadth		*3*
Select one Human Ecology course from CSCS, DS, HDFS, or INTER-HE.		
Total Credits		**37-38**

BACHELOR OF SCIENCE IN CONSUMER FINANCE AND FINANCIAL PLANNING REQUIREMENTS

Core requirements for the major are below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report. All students declared in the Bachelor of Science in Consumer Finance and Financial Planning major must only take online courses.

Code	Title	Credits
Excel Proficiency		
Select one course from the following:		1-2
GEN BUS 106	Foundational Skills for Business Analysis	
A A E 335	Introduction to Data Analysis using Spreadsheets	
Personal Finance Core		
CNSR SCI 201	Consumer Insights	3
CNSR SCI 275	Introduction to Personal Financial Planning	3
ACCT I S 300	Accounting Principles	3
or ACCT I S 100	Introductory Financial Accounting	
CNSR SCI 477	The Consumer and the Market	3
CNSR SCI 657	Consumer Behavior	3
Financial Planning Courses		
CNSR SCI 627	Advanced Consumer Finance	3
CNSR SCI 635	Estate Planning for Financial Planners	3
CNSR SCI 675	Family Financial Counseling	3
CNSR SCI 665	Household Risk Management	3
Professional Development		
CNSR SCI 251	Financial Services Leadership Symposium [1]	1
INTER-HE 202	SoHE Career & Leadership Development	1
Electives		
Select electives to bring degree credit total to 120 [2]		
Total Credits		**30-31**

1. CNSR SCI 251 Financial Services Leadership Symposium may be repeated for up to 2 credits. The additional credit will be counted as an elective.
2. ACCT I S 329 Taxation: Concepts for Business and Personal Planning is a recommended elective for students who want to be eligible to take the Certified Financial Planner (CFP) exam.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Invoke interdisciplinary and collaborative approaches to understand the interactions between individuals and their social and environmental contexts.
2. Demonstrate the ability to harness, analyze and interpret relevant data for making real world decisions.
3. Acquire professional and life skills related to workplace communication, teamwork, active listening and adapting to technology.
4. Demonstrate an understanding of consumer financial behavior and the role of income, savings, credit, planning, and benefits.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This program is designed for transfer students, most of whom will enroll on a part-time basis. As such, there is not a four-year plan for this program. Please refer to the Requirements tab for more information about the curriculum and program plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

Each UW–Madison Online student is assigned an academic and career (AC) advisor (https://online.wisc.edu/academic-advisor/). The AC advisor will support the academic and personal success of each student by partnering with SoHE advisors in the Student Academic Affairs & Career Development Office (SAA) to assist students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience. To find out about other ways UW–Madison's campus supports online learners, visit the Academic Support Services page. (https://oss.wisc.edu/support-services/)

CAREER DEVELOPMENT

Active engagement in the career development process is a vital component of a student’s personal growth in college and future success as a lifelong learner, professional, and global citizen. AC advisors (https://online.wisc.edu/academic-career-advisor/) help prepare students for life post-graduation through individual and group advising. The Office of Online Student Success (OSS) (https://oss.wisc.edu/) also provides a number of career resources (https://oss.wisc.edu/resumes/) for online learners.

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

Completion of the BS in Consumer Finance and Financial Planning and one additional elective course will make graduates eligible to sit for the Certified Financial Planner® (CFP) exam.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet Certification/Licensure in the following states:

Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming District of Columbia; American Samoa, Guam, Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands

The requirements of this program do not meet Certification/Licensure in the following states:
Not applicable

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ACADEMIC ADVISING

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CAREER DEVELOPMENT

Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. AC advisors (https://online.wisc.edu/academic-career-advisor/) help prepare students for life post-graduation through individual and group advising. The Office of Online Student Success (OSS) (https://oss.wisc.edu/) also provides a number of career resources (https://oss.wisc.edu/resumes/) for online learners.

OTHER FINANCIAL RESOURCES

Grants and loans are available through the Office of Student Financial Aid (https://financialaid.wisc.edu/) (333 East Campus Mall; 608-262-3060).

Additional details on how to save (https://online.wisc.edu/apply/#details).

CONSUMER MARKETPLACE STUDIES, BS

Admissions to the Consumer Marketplace Studies BS have been suspended as of spring 2024 and will be discontinued as of summer 2032. If you have any questions, please contact the department.

Consumer Marketplace Studies provides an opportunity for students to complete their degree at a distance. This option is ideal for returning students with some college credits who would like to complete their undergraduate degree in a flexible online format, with no on-campus attendance required. Program emphasis is on researching, understanding, and improving the global customer experience. Topics include retailing, consumer behavior, and consumer research and analysis. Graduates will be prepared to meet industry demand for employees with strong analytic and decision-making skills, who can redefine the way companies empathize and engage with their customers.

HOW TO GET IN

HOW TO GET IN

Admissions to the Consumer Marketplace Studies BS have been suspended as of spring 2024 and will be discontinued as of summer 2032. If you have any questions, please contact the department.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Math		
MATH 112	College Algebra	3
Or higher (not MATH 141) unless exempt through placement exam		
Statistics		
STAT 301	Introduction to Statistical Methods	3
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
ECON 101	Principles of Microeconomics	4
Choose any 6 credits designated Social Science breadth.		6
Physical, Biological, and Natural Science		9

Human Ecology Breadth	*3*
Select one Human Ecology course from CSCS, DS, HDFS, or INTER-HE.	
Total Credits	**37**

BACHELOR OF SCIENCE IN CONSUMER MARKETPLACE STUDIES REQUIREMENTS

Core requirements for the major are below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report. All students declared in the Consumer Marketplace Studies major must only take online courses.

Code	Title	Credits
Core Consumer Behavior and Marketplace Studies Courses		
CNSR SCI 201	Consumer Insights	3
CNSR SCI 257	Introduction to Retail	2
CNSR SCI 275	Introduction to Personal Financial Planning	3
Accounting Courses		
ACCT I S 300	Accounting Principles	3
or ACCT I S 100	Introductory Financial Accounting	
CNSR SCI 564	Retail Financial Analysis	3
CNSR SCI 657	Consumer Behavior	3
CNSR SCI 555	Consumer Design Strategies & Evaluation	3
Excel Proficiency		
Select one course from the following:		1-2
GEN BUS 106	Foundational Skills for Business Analysis	
A A E 335	Introduction to Data Analysis using Spreadsheets	
Consumer Behavior and Marketplace Studies Elective		
Select one of the following:		3
CNSR SCI 561	Consumer Engagement Strategies	
CNSR SCI 562	The Global Consumer	
CNSR SCI 567	Product Development Strategies in Retailing	
Consumer Science Electives		
Select 6 credits from the following:		6
CNSR SCI/ RELIG ST 173	Consuming Happiness	
CNSR SCI 273	Finances & Families	
CNSR SCI 301	Consumer Analytics	
CNSR SCI 477	The Consumer and the Market	
Professional Development		
CNSR SCI 250	Retail Leadership Symposium [1]	1
INTER-HE 202	SoHE Career & Leadership Development	1
Electives		
Select electives to bring degree credit total to 120		
Total Credits		**32-33**

[1] CNSR SCI 250 Retail Leadership Symposium may be repeated for up to 3 credits. The additional credit(s) will be counted as elective credit.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Invoke interdisciplinary and collaborative approaches to understand the interactions between individuals and their social and environmental contexts.
2. Demonstrate the ability to harness, analyze and interpret relevant data for making real world decisions.
3. Acquire professional and life skills related to workplace communication, teamwork, active listening and adapting to technology.
4. Demonstrate an understanding of the global retail industry and how retailers can enhance consumer well-being.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This program is designed for transfer students, most of whom will enroll on a part-time basis. As such, there is not a four-year plan for this program. Please refer to the Requirements tab for more information about the curriculum and program plan.

ADVISING AND CAREERS

ADVISING AND CAREERS

ACADEMIC ADVISING

Each UW-Madison Online student is assigned an academic and career (AC) advisor (https://online.wisc.edu/academic-advisor/). The AC advisor will support the academic and personal success of each student by partnering with Human Ecology advisors in the Student Academic Affairs & Career Development Office (SAA), to assist students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience. To find out about other ways UW Madison's campus supports online learners, visit the Academic Support Services page. (https://oss.wisc.edu/support-services/)

CAREER DEVELOPMENT

Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. AC advisors (https://online.wisc.edu/academic-career-advisor/) help prepare students for life post-graduation through individual and group advising. The Office of Online Student Success (OSS) (https://oss.wisc.edu/) also provides a number of career resources (https://oss.wisc.edu/resumes/) for online learners.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ACADEMIC ADVISING

Each UW-Madison Online student is assigned an academic and career (AC) advisor (https://online.wisc.edu/academic-career-coach/). The AC advisor will support the academic and personal success of each student by partnering with Human Ecology advisors in the Student Academic Affairs & Career Development Office (SAA), to assist students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience. To find out about other ways UW Madison's campus supports their online learners visit the Academic Support Services page. (https://oss.wisc.edu/support-services/)

CAREER DEVELOPMENT

Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. AC advisors (https://online.wisc.edu/academic-career-advisor/) help prepare students for life post-graduation through individual and group advising. The Office of Online Student Success (OSS) (https://oss.wisc.edu/) also provides a number of career resources (https://oss.wisc.edu/resumes/) for online learners.

OTHER FINANCIAL RESOURCES

Grants and loans are available through the Office of Student Financial Aid (https://financialaid.wisc.edu/) (333 East Campus Mall; 608-262-3060).

Additional details on how to save (https://online.wisc.edu/apply/#details).

PERSONAL FINANCE, BS

The Bachelor of Science degree in Personal Finance (https://humanecology.wisc.edu/academics/undergraduate-majors/personal-finance/) is an interdisciplinary program with an emphasis on financial management and the economic well-being of individuals and families. The program offers two options: (1) Personal Finance and (2) Financial Planning.

The Bachelor of Science degree in Personal Finance looks at economics from a human-centered perspective, developing financial experts who can help individuals and families live more financially secure lives. Graduates of the program are prepared to work in personal financial planning, wealth management, and financial policy management.

The Personal Finance option has an emphasis on financial product development, financial technologies, and governing/policy-making agencies that impact individuals and families. The coursework is interdisciplinary with an emphasis on financial management, economic and data analysis, and policy development. The Personal Finance option leads to careers in risk management, financial analysis, investment underwriting, banking, financial coaching, community-based financial education, and national policy trends (for example, the Federal Reserve).

The Financial Planning option is registered with the Certified Financial Planner® Board of Standards (view Financial Planning requirements (https://guide.wisc.edu/undergraduate/human-ecology/consumer-science/personal-finance-bs/personal-finance-financial-planning-bs/#requirementstext)). The coursework is interdisciplinary with an emphasis on financial advising and management to promote the economic well-being of individuals and families. The Financial Planning option is the more traditional personal finance program leading to careers in household financial planning, counseling, coaching, wealth management, and investment analysis and operations. Graduates of the Financial Planning option leave fully prepared to sit for the prestigious Certified Financial Planner® exam, which our students pass well above the national average.

Students complete a required internship before graduating, allowing them to pursue their own personal interests and develop a strong portfolio of skills and references that will propel them to launch successful careers.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Students in their first year of enrollment at UW-Madison

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.

GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within their first year of enrollment at UW-Madison: Minimum 2.750 cumulative GPA based on all UW-Madison coursework.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

All other students (who do not meet the declaration criteria above)

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	None.
GPA requirements to get in	None.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a spring start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate interest in Personal Finance on their UW–Madison application will be admitted to the major upon admittance to the University. In addition, students may indicate interest in Personal Finance when registering for Student Orientation, Advising, and Registration (SOAR).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Math		
Select one of the following (or may be satisfied by placement exam):		0-3
MATH 112	College Algebra	
MATH 114	Precalculus	
Statistics		
Select one of the following:		3-4
STAT 301	Introduction to Statistical Methods	
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 371	Introductory Applied Statistics for the Life Sciences	
PSYCH 210	Basic Statistics for Psychology	
ECON 310	Statistics: Measurement in Economics	
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
ECON 101	Principles of Microeconomics	4
ECON 102	Principles of Macroeconomics	3-4

Choose any designated Social Science breadth courses to bring total credits to 9	1-3
Physical, Biological or Natural Science	
Select 9 credits from Physical, Biological and Natural Science	9
Human Ecology Breadth	
Select a Human Ecology course from CSCS, DS, HDFS, or INTER-HE not otherwise included in the program requirements	3
Total Credits	**32-39**

PERSONAL FINANCE REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Excel Proficiency		
Select one course from the following:		1-2
GEN BUS 106	Foundational Skills for Business Analysis	
A A E 335	Introduction to Data Analysis using Spreadsheets	
Personal Finance Core		
CNSR SCI 201	Consumer Insights	3
CNSR SCI 275	Introduction to Personal Financial Planning	3
CNSR SCI 355	Financial Coaching	3
or CNSR SCI 301	Consumer Analytics	
ACCT I S 100	Introductory Financial Accounting	3
or ACCT I S 300	Accounting Principles	
Consumer Science Courses		
CNSR SCI 477	The Consumer and the Market	3
CNSR SCI 555	Consumer Design Strategies & Evaluation	3
CNSR SCI 657	Consumer Behavior	3
Consumer Science Depth		
Select 6 credits from the course list below not otherwise taken in the Personal Finance Core category		6
CNSR SCI/ RELIG ST 173	Consuming Happiness	
CNSR SCI 255	Consumer Financial Services Innovation	
CNSR SCI 273	Finances & Families	
CNSR SCI 301	Consumer Analytics	
CNSR SCI 340	Building Financial Assets and Capability for Vulnerable Families	
CNSR SCI 355	Financial Coaching	
CNSR SCI 360	Sustainable and Socially Just Consumption	
CSCS 455	Entrepreneurialism and Society	
CNSR SCI/ HDFS 465	Families & Poverty	
CNSR SCI 579	Consumer Policy Analysis	
Professional Development		
CNSR SCI 251	Financial Services Leadership Symposium [1]	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Electives		
Select electives to bring degree credit total to 120		
Total Credits		**33-34**

[1] CNSR SCI 251 Financial Services Leadership Symposium may be repeated for up to 2 credits. The additional credit will be counted as an elective.

PERSONAL FINANCE: NAMED OPTION

Students may elect to pursue a named option instead of the completing the Personal Finance requirements listed above.

View as listView as grid

- **PERSONAL FINANCE: FINANCIAL PLANNING, BS (P. 1739)**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Invoke interdisciplinary and collaborative approaches to understand the interactions between individuals and their social and environmental contexts.
2. Demonstrate the ability to harness, analyze and interpret relevant data for making real world decisions.

3. Acquire professional and life skills related to workplace communication, teamwork, active listening and adapting to technology.
4. Demonstrate an understanding of consumer financial behavior and the role of income, savings, credit, planning and benefits.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Personal Finance. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
Ethnic Studies	3	ECON 101 (Quantitative Reasoning B)	4
MATH 112	3	Humanities	3
Science	3	Science	3
Elective	2	Human Ecology Breadth	3
	14		**16-17**

Sophomore

Fall	Credits	Spring	Credits
CNSR SCI 251	1	INTER-HE 202	1
CNSR SCI 275	3	Literature	3
ECON 102	4	Science	3
Humanities	3	Statistics	3
GEN BUS 106 or A A E 335 (Excel proficiency)	1-2	Elective	3
Elective	2		
	14-15		**13**

Junior

Fall	Credits	Spring	Credits	Summer	Credits
ACCT I S 100	3	CNSR SCI 201	3	CNSR SCI 601	3
CNSR SCI 477	3	Elective	3		
Social Science	3-4	Elective	3		
Elective	3	Elective	3		
Elective	3	Elective	3		
	15-16		**15**		**3**

Senior

Fall	Credits	Spring	Credits
CNSR SCI 355 or 301	3	CNSR SCI 555	3
CNSR SCI 657	3	Consumer Science Depth	3
Consumer Science Depth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120-123

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

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Academic Advising

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Common job titles include, but are not limited to:

- Account Manager/Executive
- Business Development Representative
- Client Service Associate
- Financial Advisor
- Financial Analyst
- Financial Planner
- Relationship Manager
- Wealth Management Advisor
- Wealth Services Associate

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of

Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:
Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming District of Columbia; American Samoa, Guam, Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands

The requirements of this program do not meet certification/licensure requirements in the following states:
Not applicable

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

PERSONAL FINANCE: FINANCIAL PLANNING, BS

Within the Personal Finance program, students may choose to complete the Financial Planning option. This Financial Planning option is registered with the Certified Financial Planner® Board of Standards. The coursework is interdisciplinary with an emphasis on financial management and the economic well-being of individuals and families. The Financial Planning option is the more traditional Personal Finance program leading to careers in counseling, coaching, financial planning, and wealth management. Graduates of the Financial Planning option leave fully prepared to sit for the prestigious Certified Financial Planner® exam, which Human Ecology students pass well above the national average

REQUIREMENTS

REQUIREMENTS

Core requirements for the named option are below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Excel Proficiency		
Select one course from the following:		1-2
GEN BUS 106	Foundational Skills for Business Analysis	
A A E 335	Introduction to Data Analysis using Spreadsheets	
Personal Finance Core		
CNSR SCI 201	Consumer Insights	3
CNSR SCI 275	Introduction to Personal Financial Planning	3
CNSR SCI 355	Financial Coaching	3
ACCT I S 100	Introductory Financial Accounting	3
or ACCT I S 300	Accounting Principles	
Financial Planning Courses		
CNSR SCI 627	Advanced Consumer Finance	3
CNSR SCI 635	Estate Planning for Financial Planners	3
CNSR SCI 675	Family Financial Counseling	3
ACCT I S 329	Taxation: Concepts for Business and Personal Planning	3
Select CNSR SCI 665 (3 credits), or the R M I 300 R M I 620 sequence (6 credits):		3-6
CNSR SCI 665	Household Risk Management	
R M I 300 & R M I 620	Principles of Risk Management and Employee Benefits Management	
Professional Development		
CNSR SCI 251	Financial Services Leadership Symposium [1]	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Electives		
Select electives to bring degree credit total to 120		
Total Credits		**33-37**

[1] CNSR SCI 251 Financial Services Leadership Symposium may be repeated for up to 2 credits. The additional credit will be counted as an elective.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Personal Finance: Financial Planning. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
Ethnic Studies	3	ECON 101 (Quantitative Reasoning B)	4
MATH 112	3	Humanities	3
Science	3	Science	3
Elective	2	Human Ecology Breadth	3
	14		**16-17**

Sophomore

Fall	Credits	Spring	Credits
CNSR SCI 251	1	INTER-HE 202	1
CNSR SCI 275	3	Literature	3
ECON 102	4	Science	3
Humanities	3	Statistics	3
GEN BUS 106 or A A E 335 (Excel proficiency)	1-2	Elective	3
Elective	2		
	14-15		**13**

Junior

Fall	Credits	Spring	Credits	Summer	Credits
ACCT I S 100 or 300	3	CNSR SCI 201	3	CNSR SCI 601	3
CNSR SCI 665	3	CNSR SCI 635	3		
Social Science	3-4	Elective	3		
Elective	3	Elective	3		
Elective	3	Elective	3		
	15-16		**15**		**3**

Senior

Fall	Credits	Spring	Credits
CNSR SCI 355	3	ACCT I S 329	3
CNSR SCI 627	3	CNSR SCI 675	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120-123

DESIGN STUDIES

Design Studies offers multidisciplinary education in design and research of interior design environments, textiles and apparel design, and design as a broader discipline, through participation in formal classroom instruction and ongoing research and scholarly endeavors. Students benefit from a broad-based program and faculty specializing in areas such as design visualization, environment and behavior studies, history of interiors and textiles, interior architecture, material culture, textile and apparel design, and textile science.

Three undergraduate degree majors are offered: Interior Architecture; Textiles and Fashion Design; and Design, Innovation, and Society. The department also offers multiple undergraduate certificates in Design Strategy, Material Cultures Studies, and Textiles and Design. There is also a Human Ecology: Design Studies graduate program, offering both an MFA and PhD degrees.

Student internships in the undergraduate majors augment campus course offerings, providing students with unique learning opportunities in their chosen fields. Design Studies majors have access to many design resources; a computer laboratory equipped to support design work; a digital fabrication lab, textile studios for sewing, weaving, printing, and more; an interior architecture resource room, the Human Ecology Makerspace, the Helen Louise Allen Textile Collection (https://cdmc.wisc.edu/textiles/helen-louise-allen-textile-collection/), the Ruth Davis Design Gallery (https://cdmc.wisc.edu/material-culture/ruth-davis-design-gallery/), and the Lynn Mecklenburg Textile Gallery (https://cdmc.wisc.edu/textiles/lynn-mecklenburg-textile-gallery/). In addition, a strong collaborative environment exists for students and faculty interaction with other departments, institutes, and museums on the campus and other design programs within the state and country.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Design Strategy, Certificate (p. 1741)
- Design, Innovation, and Society, BS (p. 1743)
- Interior Architecture, BS (p. 1747)
- Material Culture Studies, Certificate (p. 1752)
- Textiles and Design, Certificate (p. 1754)
- Textiles and Fashion Design, BS (p. 1756)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ADVISING & CAREER CENTER

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To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

SCHOLARSHIPS AND SUPPORT RESOURCES

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu), Office of Student Assistance and Support (https://osas.wisc.edu), and University Health Services (https://www.uhs.wisc.edu).

DESIGN STRATEGY, CERTIFICATE

Admissions to the Design Strategy Certificate have been suspended as of fall 2024. If you have any questions, please contact the department.

WHAT IS IT ABOUT?

Housed in the School of Human Ecology, this 18-credit certificate in Design Strategy provides undergraduate students from all majors with a hands-on, interdisciplinary approach to problem-solving for strategic change. Through applying Design Thinking techniques and exploring the interconnections between people and built, natural, and financial environments, students will learn to put ideas into action and develop forward-thinking approaches to a variety of issues.

WHAT IS DESIGN STRATEGY?

Design Strategy is a successful approach to problem-solving with a focus on quality of life and sustainable futures. It begins with asking "better" questions as a way to understand the root of the problem and why it is an issue. It is an empathetic, human-centered perspective that uses Design Thinking and draws from historical precedence and current research from a variety of fields to help solve complex and persistent problems.

WHAT WILL STUDENTS GAIN?

Students acquire concrete methodologies that enable them to apply what they have learned in their degree studies in a way that goes beyond the theoretical emphasis of most degree programs. Rather than adding additional expertise and knowledge in a particular field, this certificate gives students ways to apply what they have learned in their majors to real-world problems; in the process, they become confident and creative forward thinkers, who are able to work in interdisciplinary teams.

HOW TO GET IN

HOW TO GET IN

Admissions to the Design Strategy Certificate have been suspended as of fall 2024. If you have any questions, please contact the department.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Foundational Course		**3**
DS 341	Design Thinking for Transformation	
Selective Topics (choose one course from each of the three sections)		**9**
1: Consumer Behavior and Product Development		
CNSR SCI/ RELIG ST 173	Consuming Happiness	
CNSR SCI 201	Consumer Insights	
CNSR SCI 255	Consumer Financial Services Innovation	
CNSR SCI 301	Consumer Analytics	
CNSR SCI 657	Consumer Behavior	
DS 527	Global Artisans	
2: Communities and Social Change		
CSCS 125	Community and Social Change	
CSCS 300	Nonprofit Sector: Overview and Foundations	
CSCS 335	Communicating with Key Audiences	
CSCS 460	Civil Society and Community Leadership	
CSCS 570	Community Based Research and Evaluation	
HDFS 469	Family and Community Influences on the Young Child	
3: Humans and the Environment		
DS 130	Introduction to Interior Architecture	
DS 221	Person and Environment Interactions	
DS/ANTHRO/ ART HIST/ HISTORY/ LAND ARC 264	Dimensions of Material Culture	
DS/ LAND ARC 639	Culture and Built Environment	
HDFS 425	Research Methods in Human Development and Family Studies	
HDFS/ CNSR SCI 465	Families & Poverty	
HDFS 474	Racial Ethnic Families in the U.S.	
HDFS 516	Stress and Resilience in Families Across the Lifespan	
Elective Topics		**3**
Methods and Theories		
ANTHRO 104	Cultural Anthropology and Human Diversity	
ANTHRO 300	Cultural Anthropology: Theory and Ethnography	
ANTHRO 415	The Anthropological Study of Children & Youth	
COM ARTS 260	Communication and Human Behavior	
COM ARTS 325	Media and Human Behavior	
L I S 202	Informational Divides and Differences in a Multicultural Society	
Applications		
ART 448	Special Topics	
DS 270	Design and Fashion Event Practicum	
DS/COMP SCI/ I SY E 518	Wearable Technology	
DS/ COMP SCI 579	Virtual Reality	
INTL ST 523	International Internship	
LAND ARC 210	Introduction to Landscape Architecture Design Studio	
LAND ARC 563	Designing Sustainable and Resilient Regions	
M E 351	Interdisciplinary Experiential Design Projects I	
THEATRE 234	Collaborative Problem Solving	
Communication and Analysis		
ART 346	Basic Graphic Design	
BSE 270	Introduction to Computer Aided Design	
COM ARTS 155	Introduction to Digital Media Production	
COM ARTS 200	Introduction to Digital Communication	
DS 120	Design: Fundamentals I	
L I S 351	Introduction to Digital Information	
Capstone		**3**

CNSR SCI 555	Consumer Design Strategies & Evaluation	
DS 361	Design-Related International Experience	
DS 570	Design and Fashion Event Management	
DS 641	Advanced Design Thinking for Transformation	
HDFS 592	Research Experience in Human Development and Family Studies	
Total Credits		**18**

Students must earn a minimum 2.000 GPA on required certificate coursework. Completed courses listed within the certificate curriculum, whether or not they meet a specific requirement, are included in the calculation of the GPA.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Develop and understand empathy mindsets through the practice of observation, interviewing skills, and other related techniques.
2. Recognize that theories, knowledge, and concepts intrinsic to the practice of design are relevant to informing new approaches to addressing topics that are difficult to formulate using traditional theories.
3. Incorporate methods that rely on team work, communication, and collaborative activity.
4. Examine a wide range of problems confronting society by looking at them in context, in order to uncover their roots, visualize their interconnections, and identify their interdependencies.
5. Become collaborative, divergent thinkers, able to generate and visually communicate multiple ideas.

ADVISING AND CAREERS

ADVISING AND CAREERS

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DESIGN, INNOVATION, AND SOCIETY, BS

The Bachelor of Science degree in Design, Innovation & Society focuses on developing skill sets in design processes to innovate and solve problems in everyday life. Students will explore the interconnectedness between people, technology, culture, and social change to address today's complex societal issues

Students learn how to leverage the influential role of design through a deeper understanding of social issues, ethical considerations, global perspectives, diverse cultures, sustainability challenges, and value systems. This knowledge is applied to help address complex issues and to envision possibilities for enhancing human life through design.

The program offers three pathways:

- **Design & Technology** pathway examines how innovative technologies enable the ways we communicate, build, and experience the world around us through design
- **Design & Social Change** pathway develops skills to identify opportunities, envision strategies, and create approaches to improve the health, well-being, and sustainability of individuals, communities, and the planet
- **Design & Culture** pathway explores the media, mechanisms, and institutional frameworks for human expression, examining how design influences and is influenced by history, politics, economics, and culture

The program spans diverse design theories, methods, and disciplines. It combines content areas like visual communication, the design process, research methods, and technology, to enable students to collaborate effectively with designers and professionals from various fields.

Graduates gain the skills, tools, methods, and strategies to become future leaders in the expansive field of design.

Required internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/) and collaborative capstone projects provide leadership opportunities, networking, and other career-building experiences.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Students within their first 60 GPA credits at UW-Madison

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.
GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within the first 60 GPA credits: Minimum 2.750 cumulative GPA based on all UW-Madison coursework.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

All other students (who do not meet the declaration criteria above)

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission.(https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	None.
GPA requirements to get in	None.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a spring start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Freshmen should declare their intention to pursue Design, Innovation, and Society when they apply for admission to UW–Madison. In addition, students may indicate interest in Design, Innovation, and Society when registering for Student Orientation, Advising, and Registration (SOAR).

ADDITIONAL INFORMATION

Students cannot declare the Certificate in Design Strategy and the Design, Innovation, and Society major.

For transfer students, sequential courses and courses taught only once a year should be taken into account when calculating time toward completion of the degree, as graduation time may be extended.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

All Design, Innovation, and Society students complete the School of Human Ecology requirements listed below. Then, students complete the Design, Innovation, and Society requirements.

Code	Title	Credits
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
Select 9 credits from Social Science		9
Physical, Biological and Natural Science		
Select 9 credits from Physical, Biological and Natural Science		9
Human Ecology Breadth		
Select a Human Ecology course from CNSR SCI, CSCS, HDFS, or INTER-HE not otherwise included in the program requirements		3
Total Credits		**30**

DESIGN, INNOVATION, AND SOCIETY REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Design, Innovation, and Society Core Requirements		
DS 120	Design: Fundamentals I	3
DS 123	What is Design?	3
DS 140	Visual Thinking - Form and Space	3
DS 220	Design: Fundamentals II	3
DS 221	Person and Environment Interactions	3
DS/GEN BUS 240	Human-centered Design and Business	2
DS/ANTHRO/ ART HIST/HISTORY/ LAND ARC 264	Dimensions of Material Culture	4
DS 650	Collaborative Design Capstone	3
DS 679	Research Methods in Design	3
CSCS 455	Entrepreneurialism and Society	3
Design, Innovation, and Society Pathways		
Select 9 credits from one of the following depth areas:		9
Design and Culture Depth		
DS 355	History of Fashion, 1400-Present	
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	
DS 430	History of Textiles	
ART 438	History of Graphic Design and Typography	
LAND ARC 260	History of Landscape Architecture	
ART HIST 210	A History of the World in 20 Buildings	
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	
ART HIST 357	History of Wisconsin Architecture, 1800-present	
ART HIST/ ASIAN 379	Cities of Asia	
ART HIST 457	History of American Vernacular Architecture and Landscapes	
ART HIST 468	Frank Lloyd Wright	
ART HIST 506	Curatorial Studies Exhibition Practice	
ART HIST 601	Introduction to Museum Studies I	
ART HIST 602	Introduction to Museum Studies II	
Design and Social Change Depth		
DS 321	Problem-definition: Design Programming	
DS 341	Design Thinking for Transformation	
DS 521	Environments of Crisis & Design	
DS 527	Global Artisans	
CSCS 125	Community and Social Change	
CSCS 570	Community Based Research and Evaluation	
CNSR SCI 555	Consumer Design Strategies & Evaluation	
CNSR SCI 561	Consumer Engagement Strategies	
Design and Technology Depth		
DS 451	Color Theory and Technology	
DS/COMP SCI/ I SY E 518	Wearable Technology	
CURRIC 277	Videogames & Learning	
CURRIC 357	Game Design I	
CURRIC 432	Game Design II	
ART 309	Digital Art and Code	
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems	
GEOG 170	Our Digital Globe: An Overview of GIScience and its Technology	

GEOG 370	Introduction to Cartography	
COMP SCI 570	Introduction to Human-Computer Interaction	
COM ARTS 155	Introduction to Digital Media Production	
COM ARTS 200	Introduction to Digital Communication	
CIV ENGR 250	Architectural Visualization	
Professional Development		
DS 252	Design Leadership Symposium	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Electives		
Select courses to bring degree credit total to 120		
Total Credits		**44**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Integrate thorough understanding of the history and theory of relationships between design and human behavior, with a particular emphasis on human ecology perspectives.
2. Demonstrate the intellectual skills for inquiry, creative thinking, and critical analysis in design and its application to local, national, and global challenges.
3. Demonstrate a range of research skills that will allow them to identify, evaluate, and apply design solutions for the betterment of social, political, economic, cultural, and environmental sectors.
4. Practice excellent communication skills, across a range of formats (eg, written, oral, and visual communications) and target audiences (eg, scholarly, professional, community-engaged communications) that will further understanding and application of the role of design in everyday life.
5. Develop professional skills (eg, teamwork both within and across fields, project management and leadership, representation of skills through portfolio production) to apply design research skills to create new knowledge and solve problems in real world settings.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Design, Innovation, and Society. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

First Year

Fall	Credits	Spring	Credits
DS 120	3	DS 123	3
Communications A	3	DS 140	3
Science	3	DS 220	3
Elective	3	Communications B	3-4
Humanities/Art/Literature	3	Quantitative Reasoning A	3-4
	15		**15-17**

Second Year

Fall	Credits	Spring	Credits
DS 221	3	DS/ANTHRO/ART HIST/HISTORY/LAND ARC 264	4
Social Science	3	INTER-HE 202	1
Science	3	Ethnic Studies	3
Humanities/Art/Literature	3	Social Science	3
Elective	3	Elective	3
	15		**14**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
DS/GEN BUS 240	2	CSCS 455	3	DS 601	1-8
DS 252	1	Pathway Option #1	3		
SoHE Breadth	3	Social Science	3		
Quantitative Reasoning B	3	Humanities/Art/Literature	3		
Elective	3	Elective	3		
Elective	3				
	15		**15**		**1-8**

Fourth Year

Fall	Credits	Spring	Credits
Pathway Option #2	3	DS 679	3
Science	3	DS 650	3
Elective	3	Pathway Option #3	3
Elective	3	Elective	3

Elective	3 Elective	3
	15	**15**

Total Credits 120-129

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Career Development

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through advising and integration of career readiness throughout our curriculum.

To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

Common job titles include, but are not limited to:

- Director of Design and Innovation
- Senior Manager of Innovation
- Art Director
- Web and Digital Interface Designer
- Producers and Director
- Special Effects Artists and Animator

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

INTERIOR ARCHITECTURE, BS

The Bachelor of Science degree in Interior Architecture (https://humanecology.wisc.edu/academics/undergraduate-majors/interior-architecture/) is a four-year professional program accredited by the Council for Interior Design Accreditation (CIDA). The program develops students' creativity in the design and planning of interior spaces by emphasizing the process and communication of design. Students learn the art of design, drawing from physical and social sciences to understand the interaction of people and their environment, along with the history of

design. Insight into professional practice is enhanced through internship experiences.

Design Studies faculty are leading scholars in design research with design industry experience developing innovative and creative spaces. Students benefit from faculty's expertise, mentoring, and industry connections.

Through classroom learning, hands-on projects, and internships, students develop verbal and visual communication skills while gaining exposure to both residential and commercial interiors. The program has a competitive admissions process that involves two phases.

Coursework includes everything related to the design process and products, including environment-behavior studies, sketching, rendering, computer drafting and design, 3D modeling, art and art history, business, and engineering. Studio spaces, a resource center containing catalogs and samples, plus a digital fabrication lab and computer laboratory provide physical support for the Interior Architecture student experience.

In preparation for graduation, students develop a professional portfolio to demonstrate their expertise and creativity.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Current UW-Madison students declaring Pre-Interior Architecture

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.
GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within the first 60 GPA credits: Minimum 2.75 minimum cumulative GPA is required for declaring the pre-interior architecture major. Eligible students should meet with an advisor to declare as early in their academic career as possible.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Pre-Interior Architecture students applying to Interior Architecture

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission.(https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	• DS 120 • DS 221 • DS 252 • DS 220 (in-progress) • DS 140 (in-progress)
GPA requirements to get in	None.
Credits required to get in	None.
Other	In the case that student interest for spring courses exceeds course capacity, student ranking in fall courses (DS 120, DS 221, and DS 252) and academic performance will be used to determine priority enrollment in the required spring courses. Enrollment in spring courses is not guaranteed and may be limited by permission based on class rankings and academic performance.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Application opens during the latter half of the spring semester and close in late April.	Decisions will be made once the spring coursework is completed.
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

ADDITIONAL INFORMATION

Transfer students may take longer to complete their degree than students entering the program as freshmen, as they too must complete the Courses required to get in, which contain specialized courses that must be taken sequentially.

There are typically 32 available spots each application cycle. This is an industry standard to ensure appropriate student to faculty ratio.

Upon acceptance into the major students must purchase a laptop computer based on minimum hardware specification and software licenses determined by the department and updated regularly. Students also have the option, but are not required, to purchase a laptop computer before acceptance into the program.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Freshmen should declare their intention to pursue Interior Architecture when they apply for admission to UW–Madison. In addition, students may indicate interest in Interior Architecture when registering for Student Orientation, Advising, and Registration (SOAR).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Arts and Humanities		
Literature		3
Choose one of the following:		3
Any Art History course (https://guide.wisc.edu/courses/art_hist/)		
DS/ANTHRO/ ART HIST/ HISTORY/ LAND ARC 264	Dimensions of Material Culture	
Humanities		3
Social Science		
Select 9 credits from Social Science		9
Physical, Biological and Natural Science		
Select 9 credits from Physical, Biological and Natural Science		9
Human Ecology Breadth		
Select a Human Ecology course from CNSR SCI, CSCS, HDFS, or INTER-HE not otherwise included in the program requirements. Design Studies (DS) courses in the area of Textiles Fashion Design may also be completed.		3
Total Credits		**30**

INTERIOR ARCHITECTURE REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Phase One: Design Core		
DS 120	Design: Fundamentals I	3
DS 220	Design: Fundamentals II	3
DS 221	Person and Environment Interactions	3
DS 140	Visual Thinking - Form and Space	3
DS 252	Design Leadership Symposium	1
Phase Two: Professional Course Sequence		
Interior Architecture Studio Core		
DS 222	Interior Design I	4
DS 322	Interior Design II	4
DS 622	Interior Design III	4
DS 623	Interior Design IV	4
DS 626	Interior Design V	4
Content Area Courses		
DS 223	Interior Architectural Design	3
DS 224	Interior Materials and Finishes	3
DS 241	Visual Communication I	3
DS 242	Visual Communication II	3
DS 321	Problem-definition: Design Programming	3
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	3
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	3
DS 451	Color Theory and Technology	3
DS 549	Environmental Control Systems: Lighting, Acoustics, and Thermal Comfort in Buildings	3
DS 624	Interior Architecture Professional Practice	3
DS 679	Research Methods in Design	3
Professional Development		
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Design Focus [1]		
Select 6 credits in consultation with your Human Ecology academic advisor		6
Electives		
Select electives to meet minimum total of 120 degree credits		
Total Credits		**76**

[1] Design Focus courses are intended to be an opportunity for students to develop more depth and uniqueness to their course of study. See Design Focus course list below. Please work with your Human Ecology

academic advisor to seek approval for coursework taken outside of Design Studies.

Design Focus course list

Code	Title	Credits
DS 101	Introduction to Textile Design	3
DS 227	Textile Design: Printing and Dyeing I	3
DS 251	Textile Science	3
DS 252	Design Leadership Symposium (May be taken twice)	1
DS/ANTHRO/ ART HIST/HISTORY/ LAND ARC 264	Dimensions of Material Culture	4
DS 341	Design Thinking for Transformation	3
DS 361	Design-Related International Experience	1-6
DS 501	Special Topics (offerings vary by semester)	1-3
DS/COMP SCI/ I SY E 518	Wearable Technology	3
DS 521	Environments of Crisis & Design	3
DS 527	Global Artisans	3
DS 561	Textiles: Specifications and End Use Analysis	3
DS/COMP SCI 579	Virtual Reality	3
DS/LAND ARC 639	Culture and Built Environment	3

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Grounded in the history and theory relevant to the built environment and human behavior.
2. Intellectual skills for inquiry, creative thinking, and critical analysis.
3. Professional skills that prepare them for applying what they have learned to create new knowledge and solve problems in a real world setting.
4. Apply the design process to identify and explore complex problems and generate creative solutions that optimize the human experience within the interior environment. This includes the ability to apply research and the principles and theories of Design to their solutions.
5. Apply their knowledge of building materials and systems, building construction, and industry specific codes, standards and guidelines in order to enhance the health, safety, welfare and performance of building occupants.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Interior Architecture. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
Ethnic Studies	3	Quantitative Reasoning A	3-4
Science	3	DS 220	3
DS 120	3	ART HIST/ ANTHRO/ DS/HISTORY/ LAND ARC 264 or DS 264	4
DS 221	3	DS 140	3
DS 252	1		
	16		**16-18**

Sophomore

Fall	Credits	Spring	Credits
DS 222	4	DS 322	4
DS 224	3	DS 242	3
DS 241	3	DS 422	3
Science	3	INTER-HE 202	1
DS 421	3	Social Science	3
	16		**14**

Junior

Fall	Credits	Spring	Credits	Summer	Credits
DS 223	3	DS 623	4	DS 601	3
DS 321	3	DS 549	3		
DS 622	4	DS 624	3		
Design Focus	3	DS 679	3		
Literature	3				
	16		**13**		**3**

Senior

Fall	Credits	Spring	Credits
DS 626	4	Humanities	3
DS 451	3	Social Science	3
Design Focus	3	Science	3

Social Science	3 Elective	4
	13	**13**

Total Credits 120-122

ADVISING AND CAREERS

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Common job titles include, but are not limited to:

- Account Manager
- Architectural Drafter
- Business Development Director
- Design Assistant
- Design Consultant
- Design Engineer
- Interior Designer/Designer
- Interior Design Assistant
- Project Manager

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

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For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

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RESOURCES AND SCHOLARSHIPS

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SCHOLARSHIPS

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SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

ACCREDITATION

ACCREDITATION

Council for Interior Design Accreditation (https://accredit-id.org/)

Accreditation status: Accredited. Next accreditation review: 2030.

MATERIAL CULTURE STUDIES, CERTIFICATE

The certificate in material culture studies has two interrelated goals. First, students will become acquainted with the field of material culture studies and its methodologies. They will learn what kinds of objects are considered in the study of material culture (from small, intimate artifacts of daily life to large cultural landscapes) and how scholars and professionals from different fields and in different contexts enlist material culture in their research and activities. They will gain an appreciation for the information artifacts can provide. They will learn the kinds of questions that can be asked of objects and the kind of information that artifacts can show us. They will become familiar with (and able to distinguish between) descriptive and interpretive components of material culture study and gain an awareness of the variety of methods. Second, students will gain an appreciation for the ways that "things" help us to connect to the world and see it in a new way, and the ways "things" give meaning to our lives and the lives of those around us.

HOW TO GET IN

HOW TO GET IN

All undergraduate students in good academic standing are eligible to apply for the Material Culture Studies Certificate. Connect with an Academic Advisor (https://advising.humanecology.wisc.edu/) for application information and the October and February deadlines.

Students considering declaring the Art History Certificate as well as the Material Culture Certificate may complete both but ***only one course*** may overlap between the two certificates.

REQUIREMENTS

REQUIREMENTS

The Material Culture Studies Certificate requires **13 credits**.

Students must earn a minimum 2.000 GPA on required certificate coursework. Completed courses listed within the certificate curriculum, whether or not they meet a specific requirement, are included in the calculation of the GPA.

Code	Title	Credits
Core		
ART HIST/ANTHRO/ DS/HISTORY/ LAND ARC 264	Dimensions of Material Culture	4
ART HIST 563	Proseminar in Material Culture	3
Electives		
Select at least two elective courses to reach 13 credit minimum:		6
Total Credits		**13**

[1] Prerequisite: no prerequisites. The course explores the field of material culture, introducing the range of approaches and topics within it. Faculty, staff, and professionals from different disciplines and fields are invited to discuss their work and perspective, and discuss current literature.

[2] The intent of this requirement is to have an intensive small-size seminar to teach the methods used by material culture scholars, a set of tools for analysis, hands-on training and more familiarity with material culture theories, themes and objects. If students are unable to take this course prior to their intended graduation date, they may consult the program director about other courses that fit these same goals.

[3] Other courses can be selected as electives from traditional disciplinary approaches and content, but must be approved by the chair of the Material Culture Advisory Committee. Students must work closely with both their advisor within their home major and an advisor among material culture advisors to assure that both major and certificate requirements are fulfilled.

Students must earn a minimum 2.000 GPA on required certificate coursework. Completed courses listed within the certificate curriculum, whether or not they meet a specific requirement, are included in the calculation of the GPA.

ELECTIVES

- An internship/practicum experience is recommended, but not required.
- Work closely with your certificate advisor and major advisor to ensure that both major and certificate requirements are fulfilled.
- Other traditional disciplinary approaches and content courses may count as electives, but must be approved by the chair of the Material Culture Advisory Committee.

Code	Title	Credits
ANTHRO 212	Principles of Archaeology	3
ANTHRO 337	Lithics and Archaeology	3
ANTHRO 352	Ancient Technology and Invention	3
ANTHRO/ AMER IND 354	Archaeology of Wisconsin	3
ANTHRO 370	Field Course in Archaeology	3-6
ANTHRO 391	Bones for the Archaeologist	3
ANTHRO 696	Archaeological Methods of Curation	1-3
ART HIST 210	A History of the World in 20 Buildings	3
ART HIST/ CLASSICS 300	The Art and Archaeology of Ancient Greece	3-4
ART HIST/ CLASSICS 304	The Art and Archaeology of Ancient Rome	3-4
ART HIST 305	History of Islamic Art and Architecture	3
ART HIST 307	From Tomb to Temple: Ancient Chinese Art and Religion in Transition	3
ART HIST 308	The Tastes of Scholars and Emperors: Chinese Art in the Later Periods	3
ART HIST 364	History of American Art: Art, Material Culture, and Constructions of Identity, 1607-present	3-4
ART HIST/ RELIG ST 373	Mecca, Cairo, Istanbul, Delhi: Great Cities of Islam	3

ART HIST/ ASIAN 379	Cities of Asia	3
ART HIST 413	Art and Architecture in the Age of the Caliphs	3
ART HIST/ ASIAN 428	Visual Cultures of India	3
ART HIST 440	Art and Power in the Arab World	3
ART HIST 457	History of American Vernacular Architecture and Landscapes	3
ART HIST 468	Frank Lloyd Wright	3-4
ART HIST 475	Japanese Ceramics and Allied Arts	3
ART HIST/ RELIG ST 478	Art and Religious Practice in Medieval Japan	3
ART HIST 506	Curatorial Studies Exhibition Practice	3
ART HIST 601 & ART HIST 602	Introduction to Museum Studies I and Introduction to Museum Studies II	6
ART HIST/HISTORY/ JOURN/L I S 650	History of Books and Print Culture in Europe and North America	3
DS 355	History of Fashion, 1400-Present	3
DS 421	History of Architecture and Interiors I: Antiquity through 18th Century	3
DS 422	History of Architecture & Interiors II: 19th and 20th Centuries	3
DS 430	History of Textiles	3
DS 642	Taste	3
FOLKLORE 320	Folklore of Wisconsin	3
FOLKLORE 439	Foodways	3
FOLKLORE/ L I S 490	Field Methods and the Public Presentation of Folklore	3
FOLKLORE 540	Local Culture and Identity in the Upper Midwest	3
GEOG/ URB R PL 305	Introduction to the City	3-4
GEOG 342	Geography of Wisconsin	3
HIST SCI 222	Technology and Social Change in History	3
JOURN/ HISTORY 560	History of U.S. Media	4
LAND ARC 260	History of Landscape Architecture	3
LAND ARC 677	Cultural Resource Preservation and Landscape History	3
SCAND ST/ FOLKLORE 440	Scandinavian American Folklore	3
THEATRE 327	History of Costume for the Stage	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Acquisition of skills to describe and analyze objects of multiple types, scales and media that constitute the material world across time and space.
2. Understanding of the complex and multiple ways that objects and people relate in both the past and in the present using trans-disciplinary perspectives.
3. Ability to interpret and otherwise make meaning from objects using methods and theories from multiple disciplines including but not limited to art history, archaeology, anthropology, design, folklore/ folklife studies, geography, history, literary studies, landscape history, and science studies.
4. Discernment of the importance of materiality and making in the production and shaping of culture.
5. Fluency in using research resources and tools appropriate for specific kinds of objects.
6. Demonstration of particular skills for object-based research projects, as well as online and in-person exhibitions, using objects and collections to prepare students for careers that include positions in museums, archives, and other professional contexts.
7. Coherent presentation of ideas in multiple media (oral, visual, digital, and written).

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience — from exploring our majors as prospective students to becoming Human Ecology alumni.

ACADEMIC ADVISING

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with a Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Note for students who are thinking about declaring the material culture certificate as well as the art history certificate: undergraduate students may request permission to complete both the material culture certificate and the art history certificate but ***only one course*** *can overlap between the two certificates. Please consult with the Art History undergraduate advisor, Teddy Kaul (*ejkaul@wisc.edu*), with any questions related to the art history certificate.*

CAREER DEVELOPMENT

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through individual and group advising and integration of career readiness throughout our curriculum.

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CAREERS: WHAT CAN MATERIAL CULTURE DO FOR YOU? LIFE-PRACTICE AND CAREERS

Interdisciplinary practice is central to material culture analysis. Significant engagement with material culture can have a noteworthy positive effect on students from a wide range of majors in their preparation for future careers. Understanding principles of design, analyzing the cultural meaning of physical objects, and gaining knowledge of varied systems of making, distributing, and using artifacts and consumer goods throughout history are all broadly applicable learning outcomes. The curricula of the 21st century often place extra value on science and technology, to the detriment of the study of the arts and humanities. The Material Culture Program helps integrate these and other disparate spheres into a university education. One undergraduate student summed it thus:

> I ended up being able to use what I learned in material culture for my research in human computer interaction and design. I think having a background in material culture strengthened my skills as a user experience designer (which is what I will be doing at Intel after graduation).
>
> Erica Lewis, 2016
> Undergraduate certificate student
> Engineering/Materials Design

Other material culture certificate holders have gone on to careers in museums, galleries, historic sites, historic preservation, digital media, design practice, universities, and business. Another former student comments:

> Having worked in museums large and small, in education, exhibition design and development, collections, and interpretation—I draw on my background in Material Culture on a daily basis. As a historian, the practice of reading and contextualizing objects as primary sources is essential. But even more than an academic approach, the empathy one develops when learning to understand the world through the stuff of daily life is invaluable to the interdisciplinary collaboration of today's workplace.
>
> Anna Altschwager, 2004
> Creative Director
> Thinkwell Group

RESOURCES AND SCHOLARSHIPS

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SCHOLARSHIPS

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SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

TEXTILES AND DESIGN, CERTIFICATE

The certificate in textiles and design allows students from any major to gain a fundamental understanding of the creative and innovative application of textiles and visual design. By nature, textiles are interdisciplinary, weaving together art, commerce, history, culture, technology, material culture, and science. Students will develop artistic and technical skills valuable for both pursuing a professional career in the textile industry and nurturing personal creative interests.

The certificate in textiles and design is an opportunity for students from a variety of disciplines to engage in an in-depth exploration of textiles. Studio courses cultivate a rich understanding of the physical and creative interaction of materials, techniques, and concepts: pattern, networks, woven structures, flexible materials, the interaction of multiples, tactility, color, and imagery. Students have the opportunity to be creative in design studios, using both low-tech handmade techniques and complex high-tech computer-generated systems.

The courses offered in this certificate are broad and varied, allowing students to personalize course groupings to best enhance their major and area of interest.

HOW TO GET IN

HOW TO GET IN

All undergraduate are eligible to apply, except students pursuing textiles and fashion design major. Connect with an Academic Advisor (https://advising.humanecology.wisc.edu/) for application information.

REQUIREMENTS

REQUIREMENTS

Code	Title	Credits
Science and Culture		
Select one course:		3
DS 251	Textile Science	
DS 355	History of Fashion, 1400-Present	
DS 430	History of Textiles	

DS 561	Textiles: Specifications and End Use Analysis	
Studio		
Select one course:		2-3
DS 101	Introduction to Textile Design	
DS 153	Sewn Construction I	
DS 154	Sewn Construction II	
DS 215	Patternmaking for Accessories	
DS 227	Textile Design: Printing and Dyeing I	
DS 228	Textile Embellishment I	
DS/ART 229	Textile Design: Weaving I	
DS 327	Textile Design: Manual/Computer Generated Imagery and Pattern	
DS 427	Textile Design: Printing and Dyeing II	
DS 429	Textile Design: Weaving II	
DS 451	Color Theory and Technology	
DS/COMP SCI/ I SY E 518	Wearable Technology	
DS 519	Collection Development	
DS 527	Global Artisans	
DS 528	Experimental Textile Design	
DS 529	Building a Sustainable Creative Practice	
DS 570	Design and Fashion Event Management	
Electives		
Other courses from either Science an Culture or Studio lists (above) to reach 12 credits.		7-8
Total Credits		**12**

Students must earn a minimum 2.0 GPA on required certificate coursework. Completed courses listed within the certificate curriculum, whether or not they meet a specific requirement, are included in the calculation of the GPA.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate understanding of fiber properties, structure, techniques and construction.
2. Analyze historical, cultural, economic, technological and/or societal role of textiles.
3. Students will develop a sensitivity and awareness of material properties through hands-on learning.
4. Gain understanding of the creative process by envisioning and implementing original projects.

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TEXTILES AND FASHION DESIGN, BS

The Bachelor of Science degree in Textiles & Fashion Design (https://humanecology.wisc.edu/academics/undergraduate-majors/textiles-fashion-design/) is a unique program that combines experimentation with materials and techniques with a grounding in history, science, and contemporary design. The heart of the major lies in the hands-on studio courses where students learn to weave, dye, print, construct, pattern, illustrate, design, and innovate. This program nurtures students to become leaders in their chosen fields through responsible, resourceful, and research-driven approaches to design.

Going beyond technique, students are encouraged to intuitively make, analyze, and revise, leading to discovery and creative problem-solving. Special topics focus on environmental, economic, and cultural sustainability, as well as technology and entrepreneurship.

Coursework is enhanced by visiting lecturers, special projects with industry partners, and the on-site Helen Louise Allen Textile Collection. Upper-level students in the major are given the opportunity to professionally present their work to public audiences in an annual student showcase. Through capstone and thesis experiences in the final year, students are given time and mentoring to create and present their own unique body of work.

Our award-winning students are highly creative and superb craftspeople engaged in addressing real-world problems and offering sustainable solutions. Textile & Fashion Design students realize their creative visions in ways that are socially, culturally, ethically, and environmentally sensitive.

The Textiles & Fashion Design program highlights craft technique as a pathway to creative practice and prepares students for exciting and creative careers in industry, design, and art. While studies can focus on textiles or fashion, students are encouraged to explore both areas. The program emphasizes interdisciplinary partnerships and encourages "learning by doing" in studios, outreach projects, and sustainable practices. Through capstone and thesis experiences in the final year, students are given time and mentoring to create and present their own unique body of work.

OPPORTUNITY WITH THE FASHION INSTITUTE OF TECHNOLOGY

Students looking for additional industry experience can apply to the Fashion Institute of Technology (http://www.fitnyc.edu/) (FIT) in New York City for their senior year. This experience provides students with industry-specific skills which, when paired with the creative liberal arts background, makes our graduates highly desirable and often recruited by industry leaders. Students apply to FIT in their junior year. If accepted, they participate in a visiting student program in one area of focus: Fashion Design, Textile Surface Design, Footwear & Accessories Design, Communication Design Foundation, Advertising and Marketing Communications, Fashion Business Management, Textile Development and Marketing.

Upon graduation, students who attend FIT are awarded a Bachelor of Science degree from the University of Wisconsin–Madison in Textiles & Fashion Design with a named option in FIT. A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree conferral. FIT students also earn an associate of applied science (AAS) degree from FIT. Students attending FIT who are considered Wisconsin non-residents continue to pay out-of-state tuition, even if they reside in the state of New York.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Students within their first 60 GPA credits at UW-Madison

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.
GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within the first 60 GPA credits: Minimum 2.750 cumulative GPA based on all UW-Madison coursework.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

All other students (who do not meet the declaration criteria above)

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	None.
GPA requirements to get in	None.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.

To apply for a spring start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a summer start	This program does not accept applications to start in the summer.	

Fashion Institute of Technology

Students intending to complete their final year of study at the Fashion Institute of Technology (FIT) must complete an additional application. Only students with a 3.0 or higher GPA in December of their third year in the program are eligible to apply for admission to FIT.

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate interest in Textiles and Fashion Design on their UW–Madison application will be admitted to the major upon admittance to the University. In addition, students may indicate interest in Textiles and Fashion Design when registering for Student Orientation, Advising, and Registration (SOAR).

ADDITIONAL INFORMATION

For transfer students, sequential courses and courses taught only once a year should be taken into account when calculating time toward completion of the degree, as graduation time may be extended.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

All Textiles and Fashion Design students complete the School of Human Ecology requirements listed below. Then, students complete the Textiles and Fashion Design requirements OR the Textiles and Fashion Design-FIT requirements.

Code	Title	Credits
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
Select 9 credits from Social Science		9
Physical, Biological and Natural Science		
Select 9 credits from Physical, Biological and Natural Science		9
Human Ecology Breadth		
Select a Human Ecology course from CNSR SCI, CSCS, HDFS, or INTER-HE not otherwise included in the program requirements.		3
Total Credits		**30**

TEXTILES AND FASHION DESIGN REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Design Core		
DS 101	Introduction to Textile Design	3
DS 120	Design: Fundamentals I	3
DS 153	Sewn Construction I	3
DS 150	Visual Thinking - Pixels and Pencils	3
DS 251	Textile Science	3
DS 355	History of Fashion, 1400-Present	3
or DS 430	History of Textiles	
Textiles and Fashion Design Focus Area		
Choose either the Fashion Sequence or the Textiles Sequence		12

Fashion Sequence (must be taken in this order)		
DS 154	Sewn Construction II	
DS 253	Patternmaking for Apparel Design	
DS 210	Fashion Illustration	
DS 225	Apparel Design I	
Textiles Sequence		
DS 227	Textile Design: Printing and Dyeing I	
DS 228	Textile Embellishment I	
DS/ART 229	Textile Design: Weaving I	
DS 327	Textile Design: Manual/Computer Generated Imagery and Pattern	
Choose 3 additional Textiles Fashion Design courses for 21 total credits		9
Professional Development		
DS 252	Design Leadership Symposium	1
INTER-HE 202	SoHE Career & Leadership Development	1
INTER-HE 601	Internship	3
Depth Courses		
Choose 15 credits of depth courses from the areas below:		15
Textiles Fashion Design Studio Courses		
Choose 9-15 credits from the following courses:		
DS 319	Cloth to Clothing	
DS 341	Design Thinking for Transformation	
DS 427	Textile Design: Printing and Dyeing II	
DS 429	Textile Design: Weaving II	
DS/COMP SCI/ I SY E 518	Wearable Technology	
DS 527	Global Artisans	
DS 528	Experimental Textile Design	
DS 529	Building a Sustainable Creative Practice	
DS 570	Design and Fashion Event Management	
DS 561	Textiles: Specifications and End Use Analysis	
Other Textiles and Fashion Design Courses (300 level and above)		
Entrepreneurship and Consumer Science Courses		
OPTIONAL - Choose up to 6 credits from the following courses:		
M H R 322	Introduction to Entrepreneurship	
CNSR SCI 257	Introduction to Retail	
CNSR SCI 555	Consumer Design Strategies & Evaluation	
CNSR SCI 561	Consumer Engagement Strategies	
CNSR SCI 562	The Global Consumer	
CNSR SCI 567	Product Development Strategies in Retailing	
CNSR SCI 657	Consumer Behavior	
Capstone Experience		
DS 690	Senior Thesis	3
DS 519	Collection Development	3
or DS 529	Building a Sustainable Creative Practice	

TEXTILES AND FASHION DESIGN: FIT OPTION

View as listView as grid

- **TEXTILES AND FASHION DESIGN: FIT (FASHION INSTITUTE OF TECHNOLOGY) (P. 1760)**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Have grounding in the history and theory relevant to the human ecological perspective.
2. Have intellectual skills for inquiry, creative thinking, and critical analysis.
3. Have professional skills that prepare them for applying what they have learned to create new knowledge and solve problems in a real world setting.
4. Textiles and Fashion Design students will have the ability to move beyond technique, taking creative risks to develop conceptually cohesive work through advanced knowledge of materials, processes, and an understanding of design principles.
5. Textiles and Fashion Design students will have the ability to participate in professional discussions and critique that are informed by foundational knowledge of fashion and/or textile history, theory, and science.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Textiles & Fashion Design. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
DS 101	3	Quantitative Reasoning A	3-4
DS 120	3	DS 150	3
DS 153	3	DS 154 or 228	3
		Human Ecology Breadth	3
	12		**15-17**

Sophomore

Fall	Credits	Spring	Credits
DS 253 or 227	3	DS 251	3
Social Science	3	DS 225 or 229	3
DS 210	3	DS 355	3
or Additional Textiles & Fashion Design Course		or Additional Textiles & Fashion Design Course	
Humanities	3	Social Science	3
Science	3	DS 252	1
INTER-HE 202	1	Ethnic Studies	3
	16		**16**

Junior

Fall	Credits	Spring	Credits	Summer	Credits
DS 430	3	Social Science	3	DS 601	3
or Additional Textiles & Fashion Design Course		Humanities	3		
DS 319 or 327	3	Science	3		
Science	3	DS 519 or 529	3		
Rquantitative Reasoning B (DS 451 recommended)	3	or Depth Course			
Literature	3	Depth Course	3		
	15		**15**		**3**

Senior

Fall	Credits	Spring	Credits
Additional Textiles & Fashion Design Course	3	DS 690	3
Depth Course	3	Depth Course	3
Elective	4	Depth Course	3
Elective	3	Elective	3
		Elective	3
	13		**15**

Total Credits 120-122

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Common job titles include, but are not limited to:

- Alterations Specialist
- Assistant Designer
- Associate Merchandise Manager
- Associate Print & Pattern Designer
- Costume Designer
- Custom Apparel Specialist
- Designer
- Editorial Specialist
- Fabric Designer

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

TEXTILES AND FASHION DESIGN: FIT (FASHION INSTITUTE OF TECHNOLOGY)

For those leaning toward an industry career, the Textiles and Fashion Design program gives students the option to apply to spend their senior year at Fashion Institute of Technology (http://www.fitnyc.edu/) (FIT) in New York City, the hub of the textile and fashion trade. The FIT experience provides students with industry-specific skills which, when paired with the creative liberal arts background, makes our graduates highly desirable and often recruited by industry leaders. Students apply to FIT in their junior year. If accepted by FIT, they participate in a visiting student program in one area of focus: Fashion Design, Textile Surface Design, Footwear & Accessories Design, Communication Design Foundation, Advertising and Marketing Communications, Fashion Business Management, Textile Development and Marketing.

Upon graduation, students who attend FIT are awarded a bachelor of science (BS) degree from the University of Wisconsin–Madison in Textiles and Fashion Design with a named option in FIT. A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree conferral. FIT students also earn an associate of applied science (AAS) degree from FIT. Students attending FIT who are considered Wisconsin non-residents continue to pay out-of-state tuition, even if they reside in the state of New York.

REQUIREMENTS

REQUIREMENTS

TEXTILES AND FASHION DESIGN: FIT NAMED OPTION REQUIREMENTS

Core requirements for the named option are below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Design Core		
DS 101	Introduction to Textile Design	3
DS 120	Design: Fundamentals I	3
DS 153	Sewn Construction I	3
DS 150	Visual Thinking - Pixels and Pencils	3
DS 251	Textile Science	3
DS 355	History of Fashion, 1400-Present	3
or DS 430	History of Textiles	
Textiles and Fashion Design Focus Area		
Choose either the Fashion Sequence or the Textiles Sequence		12
Fashion Sequence (must be taken in this order)		
DS 154	Sewn Construction II	
DS 253	Patternmaking for Apparel Design	

DS 210	Fashion Illustration	
DS 225	Apparel Design I	
Textiles Sequence		
DS 227	Textile Design: Printing and Dyeing I	
DS 228	Textile Embellishment I	
DS/ART 229	Textile Design: Weaving I	
DS 327	Textile Design: Manual/Computer Generated Imagery and Pattern	
Choose 3 additional Textiles Fashion Design courses for 21 total credits		9
Professional Development		**2**
DS 252	Design Leadership Symposium	1
INTER-HE 202	SoHE Career & Leadership Development	1
Fashion Institute of Technology FIT		
Visiting Student Program Courses		30
Total Credits		**73**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Textiles & Fashion Design: FIT. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
Communications A	3	Communications B	3-4
DS 101	3	Quantitative Reasoning A	3-4
DS 120	3	DS 150	3
DS 153	3	DS 154 or 228	3
Elective	1	SoHE Breadth	3
	13		**15-17**

Sophomore

Fall	Credits	Spring	Credits
DS 253 or 227	3	DS 251	3
Social Science	3	DS 225 or 229	3
Humanities	3	DS 355	3
DS 210	3	or Additional Textiles & Fashion Design Course	
or Additional Textiles & Fashion Design Course		Social Science	3
Science	3	DS 252	1
INTER-HE 202	1	Ethnic Studies	3
	16		**16**

Junior

Fall	Credits	Spring	Credits
DS 430	3	Social Science	3
or Additional Textiles & Fashion Design Course		Humanities	3
DS 327	3	Science	3
or Additional Textiles & Fashion Design Course		Additional Textiles & Fashion Design Course	3
Science	3	Elective	3
Quantitative Reasoning B (DS 451 recommended)	3		
Literature	3		
	15		**15**

Senior

Fall	Credits	Spring	Credits
FIT Course Work	15	FIT Course Work	15
	15		**15**

Total Credits 120-122

HUMAN DEVELOPMENT AND FAMILY STUDIES

The Department of Human Development and Family Studies (HDFS) serves undergraduate and graduate students by offering a bachelor of science in Human Development and Family Studies and a PhD in Human Ecology: Human Development and Family Studies. Students and faculty in HDFS are dedicated to improving the quality of life for children, adolescents, and adults by discovering, integrating, applying, and disseminating knowledge about lifespan human development, relationships, families, and communities, all in their larger social contexts. The application of human ecological and interdisciplinary perspectives to solve societal problems and strengthen the well-being of children, adults, and families is a distinctive feature of the department.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Human Development and Family Studies, BS (p. 1762)

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational

goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Career Development

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through advising and integration of career readiness throughout our curriculum.

To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

SCHOLARSHIPS AND SUPPORT RESOURCES

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu), Office of Student Assistance and Support (https://osas.wisc.edu), and University Health Services (https://www.uhs.wisc.edu).

HUMAN DEVELOPMENT AND FAMILY STUDIES, BS

The Bachelor of Science degree in Human Development & Family Studies (https://humanecology.wisc.edu/academics/undergraduate-majors/human-development-family-studies/) offers an in-depth education about human development and well-being across the lifespan, with a focus on relational health, including infant mental health, parenting, couples, and other family and social relationships. Students take specialized courses in policymaking, research methods, prevention and intervention, and ethnic/cultural diversity in families.

In addition to high-impact learning experiences and coursework, all students engage in a professional semester-long internship in a community or research setting related to their major and career goals. These settings include mental health organizations, early childhood education centers, healthcare agencies, legislative offices, university advising units, research labs, human resources, criminal justice systems, child and family life education programs, and other community-based organizations.

Human Development & Family Studies offers excellent preparation for students interested in graduate/professional school in areas such as clinical healthcare and public health; counseling and mental health; early childhood, K-12 and higher education; family law; social work and case management; occupational and physical therapy; program evaluation and applied research; and the child life profession.

Human Development & Family Studies students may choose to pursue these additional credentials while completing their degree:

- Certified Family Life Educator credential, provided by the National Council on Family Relations (https://www.ncfr.org/cfle-certification/become-certified/), recognized in the U.S. and Canada for Family Life Education professions.
- Infant/Early Childhood Mental Health Endorsement (https://humanecology.wisc.edu/academics/undergraduate-majors/human-development-family-studies/infant-mental-health-imh-endorsement/), provided by the Wisconsin Alliance for Infant Mental Health (https://wiaimh.org/endorsement/), which promotes the social-emotional development of children from newborn to 6 years within the family and community context.

For more information on these credentials, please contact the Advising & Career Center (https://advising.humanecology.wisc.edu/).

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Students within their first 60 GPA credits at UW-Madison

Requirements	Details
How to get in	No application required. All students who meet the requirements listed below are able to declare. For information on how to declare, see: https://go.wisc.edu/sohe-declare (https://go.wisc.edu/sohe-declare/).
Courses required to get in	None.
GPA requirements to get in	• First-semester students have no GPA requirement to declare. • Non-first-semester students within the first 60 GPA credits: Minimum 2.750 cumulative GPA based on all UW-Madison coursework.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

All other students (who do not meet the declaration criteria above)

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://go.wisc.edu/sohe-apply (https://go.wisc.edu/sohe-apply/))
Courses required to get in	None.

GPA requirements to get in	None.
Credits required to get in	None.
Other	Must be in good academic standing with their current school or college.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a spring start	The fifth Friday of the term.	Students will be notified about decisions approximately one month after the application deadline.
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE UW-MADISON STUDENTS

All prospective UW–Madison students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Students who indicate interest in Human Development and Family Studies on their UW–Madison application will be admitted to the major upon admittance to the University. In addition, students may indicate interest in Human Development and Family Studies when registering for Student Orientation, Advising, and Registration (SOAR).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF HUMAN ECOLOGY REQUIREMENTS

Code	Title	Credits
Arts and Humanities		
Literature		3
Humanities		6
Social Science		
PSYCH 202	Introduction to Psychology	3-4
Select 6 credits designated Social Science breadth		6
Physical, Biological and Natural Science		
Select 9 credits from Physical, Biological and Natural Science		9
Human Ecology Breadth		
Select a Human Ecology course from CNSR SCI, CSCS, DS, or INTER-HE not otherwise included in the program requirements		3
Total Credits		**30-31**

HUMAN DEVELOPMENT AND FAMILY STUDIES REQUIREMENTS

A complete list of requirements is below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Foundation		
Human Development in Context		
HDFS 174	Introduction into Cultural Diversity of Families	3
Select one of the following:		3
HDFS 262	Development of the Young Child	
ED PSYCH 320	Human Development in Infancy and Childhood	
PSYCH 460	Child Development	
HDFS 263	Development from Adolescence to Old Age	3
HDFS 516	Stress and Resilience in Families Across the Lifespan	3
HDFS 345	Ecology of Child Health and Well-Being	3

Research Foundations		
Select one of the following:		3-4
HDFS 425	Research Methods in Human Development and Family Studies	
PSYCH 225	Research Methods	
SOC/ C&E SOC 357	Methods of Sociological Inquiry	
Select one of the following:		3
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
PSYCH 210	Basic Statistics for Psychology	
Career Foundations		
HDFS 253	Human Development & Family Studies Leadership Symposium	1
INTER-HE 202	SoHE Career & Leadership Development	1
Depth		
Select 3 of the following courses:		9
Any HDFS courses numbered 300-699 not otherwise included in the program requirements (https://guide.wisc.edu/courses/hdfs/)		
CNSR SCI 273	Finances & Families	
COUN PSY 655	Clinical Communication Skills	
CSCS 500	Global Health and Communities: From Research to Praxis	
ED PSYCH 321	Human Development in Adolescence	
PSYCH 405	Adult Psychopathology	
PSYCH/SOC 453	Human Sexuality	
PSYCH 464	Adult Development and Aging	
RP & SE 310	Positive Psychology and Well Being	
SOC/ C&E SOC 343	Sociology of Health and Medicine	
SOC/PSYCH 453	Human Sexuality	
SOC 575	Sociological Perspectives on the Life Course and Aging	
Application		
Career/Research Practice		
Select one of the following:		3
INTER-HE 601	Internship	
HDFS 592	Research Experience in Human Development and Family Studies	
Capstone		
Select one of the following:		3
HDFS 663	Developmental and Family Assessment	
HDFS 535	A Family Perspective in Policymaking	
HDFS 650	Parent Education and Support Programs	
Electives		
Select courses to bring degree credit total to 120		
Total Credits		**38-39**

CHILD DEVELOPMENT: NAMED OPTION

Students may elect to pursue a named option instead of the completing the Human Development and Family Studies requirements listed above.

View as listView as grid

- **HUMAN DEVELOPMENT AND FAMILY STUDIES: CHILD DEVELOPMENT, BS (P. 1766)**

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Apply a developmental lens to describe lifespan human development in context, with emphasis on individual, family and community diversity
2. Apply a relational lens to understand interpersonal and internal family processes (e.g., relational health, parent-child relationships, couple relationships, family health and well-being)
3. Use systems thinking to describe how individuals and families affect and are affected by their social and ecological contexts (e.g., communities, institutions, policies, cultures), with an emphasis on building a more just and equitable society
4. Critically evaluate and ethically apply interdisciplinary social science research to promote health and wellbeing across the lifespan through assessment, prevention, intervention, research, and/or program evaluation
5. Work effectively in a professional setting with individuals from diverse backgrounds, including the exploration of HDFS-relevant professional

pathways and the development of broadly applicable professional skills essential to the discipline (e.g., cultural awareness, empathy, self-reflection)

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Human Development and Family Studies. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
HDFS 262, PSYCH 460, or ED PSYCH 320	3	HDFS 174 (Satisfies Ethnic Studies)	3
Communications A	3	INTER-HE 201 (or other Human Ecology Breadth)	3
Quantitative Reasoning A	3	Communications B	3-4
Science	3	PSYCH 202	3
Elective	3	Science	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
HDFS 253	1	INTER-HE 202	1
HDFS 263	3	HDFS 345	3
Humanities	3	Literature	3
Science	3	Social Science	3
Social Science	3	Science	3
Elective	2	Elective	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
HDFS 516	3	STAT 301, 371, PSYCH 210, or SOC 360 (Statistics - Quantitative Reasoning B)	3
HDFS 425	3	HDFS Depth #2	3
HDFS Depth #1	3	HDFS Depth #3	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
HDFS Application #1 (Internship or Research)	3	HDFS Application #2 (Capstone)	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

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Common job titles include, but are not limited to:

- Account Manager
- Behavioral Technician
- Clinical Research Coordinator
- Early Childhood/Preschool Teacher
- Patient Care Coordinator
- Research Assistant
- Special Education Teacher
- Talent Acquisition Manager
- Teaching Assistant

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

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of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

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HUMAN DEVELOPMENT AND FAMILY STUDIES: CHILD DEVELOPMENT, BS

The Child Development option within the Human Development & Family Studies (HDFS) major offers a focused study of human development and relationships during childhood. It includes foundational HDFS courses as well as specialized advanced courses and applied experiences that are focused on children's development and relationships.

The Child Development option within the HDFS major prepares students for a variety of careers related to the health and well-being of children and their families, including healthcare, mental health, family support services, public policy, and family law. The curriculum of the Child Development track also meets the requirements for pursuing professional credentials, such as the Infant Mental Health Endorsement®, an internationally recognized credential for professionals who work with infants, toddlers, and their families, as well as the Certified Family Life Education (CFLE) national credential provided by the National Council on Family Relations (NCFR) and recognized in the U.S. and Canada for Family Life Education professions.

Students can take advantage of learning opportunities and paid internships offered by centers and initiatives in the School of Human Ecology (SoHE), including the Child Development Lab (https://childdevelopmentlab.wisc.edu/) (CDL), an onsite laboratory preschool supporting applied learning, research, and class observations, and the PELICAN Center (https://humanecology.wisc.edu/pelican-center/), an interdisciplinary coalition of students and professionals working to support children and families through early literacy, child health advocacy, and early relational health. Students who pursue the Child Development track are given priority for CDL and PELICAN Center internships, including those with partners like the Early Childhood Health Consultation and Reach Out and Read Wisconsin.

REQUIREMENTS

REQUIREMENTS

Core requirements for the named option are below. Students should follow the curriculum requirements in place at the time they entered the major. This requirement list should be used in combination with a DARS report.

Code	Title	Credits
Foundation		
Human Development in Context		
HDFS 174	Introduction into Cultural Diversity of Families	3
Select one of the following:		3
HDFS 262	Development of the Young Child	
ED PSYCH 320	Human Development in Infancy and Childhood	
PSYCH 460	Child Development	
HDFS 263	Development from Adolescence to Old Age	3
HDFS 516	Stress and Resilience in Families Across the Lifespan	3
HDFS 345	Ecology of Child Health and Well-Being	3
Research Foundations		
Select one of the following:		3-4
HDFS 425	Research Methods in Human Development and Family Studies	
PSYCH 225	Research Methods	
SOC/ C&E SOC 357	Methods of Sociological Inquiry	
Select one of the following:		3
SOC/ C&E SOC 360	Statistics for Sociologists I	
STAT 240	Data Science Modeling I	

STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	
STAT 371	Introductory Applied Statistics for the Life Sciences	
PSYCH 210	Basic Statistics for Psychology	
Career Foundations		
HDFS 253	Human Development & Family Studies Leadership Symposium	1
INTER-HE 202	SoHE Career & Leadership Development	1
Depth		
Select 3 of the following courses:		9
HDFS 462	Infant/Toddler Development & Group Care	
HDFS 469	Family and Community Influences on the Young Child	
HDFS 471	Parent - Child Relations	
HDFS 650	Parent Education and Support Programs	
HDFS 662	Advanced Study of the Young Child	
COUN PSY 230	Race and the Developing Child	
CS&D 240	Language Development in Children and Adolescents	
CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	
ED PSYCH 331	Human Development From Childhood Through Adolescence	
PSYCH 502	Cognitive Development	
PSYCH 503	Social Development	
PSYCH 510	Critical Issues in Child Psychopathology	
RP & SE 300	Individuals with Disabilities	
SOC WORK 462	Child Welfare	
Application		
Career/Research Practice Focused on Birth-5		
Select one of the following:		3
INTER-HE 601	Internship	
HDFS 592	Research Experience in Human Development and Family Studies	
Capstone		
Select one of the following:		3
HDFS 663	Developmental and Family Assessment	
Electives		
Select courses to bring degree credit total to 120		
Total Credits		**38-39**

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This is a sample four-year plan for Human Development and Family Studies. We encourage all students to consult with their academic advisor to develop an individualized plan that meets their specific needs.

Freshman

Fall	Credits	Spring	Credits
HDFS 262, PSYCH 460, or ED PSYCH 320	3	HDFS 174 (Satisfies Ethnic Studies)	3
Communications A	3	INTER-HE 201 (or other Human Ecology Breadth)	3
Quantitative Reasoning A	3	Communications B	3-4
Science	3	PSYCH 202	3
Elective	3	Science	3
	15		**15**

Sophomore

Fall	Credits	Spring	Credits
HDFS 253	1	INTER-HE 202	1
HDFS 263	3	HDFS 345	3
Humanities	3	Literature	3
Science	3	Social Science	3
Social Science	3	Science	3
Elective	2	Elective	2
	15		**15**

Junior

Fall	Credits	Spring	Credits
HDFS 516	3	STAT 301, 371, PSYCH 210, or SOC 360 (Statistics - Quantitative Reasoning B)	3
HDFS 425	3	HDFS:CD Depth #2	3
HDFS:CD Depth #1	3	HDFS:CD Depth #3	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
HDFS Application #1 (Internship or Research Focused on Birth-5)	3	HDFS Application #2 (Capstone)	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

HUMAN ECOLOGY - SCHOOL-WIDE

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Individual Major, BS (p. 1768)
- School of Human Ecology Honors (p. 1769)

INDIVIDUAL MAJOR, BS

The individual major is a program for undergraduate students who want to fulfill a specific academic goal that is not attainable through a combination of existing majors in one or more departments. The major must meet a course of study that involves at least two departments and be targeted at a specific problem or academic interest identified by the student. A student proposal must be submitted and approved by the Human Ecology Undergraduate Program Council. Students are encouraged to begin working with faculty and advisors in the Advising & Career Center by the end of the sophomore year. Thirty credits must be earned in residence after the term in which the proposal is approved. The major will be guided by a committee of at least three faculty members (with no more than two faculty members from one department).

Individual majors are intended to create a unique program of study that otherwise does not exist on this campus individually or in a combination of majors and certificate programs. Students should carefully explore all University of Wisconsin–Madison majors and certificate programs before pursuing an individual major. A proposal that essentially parallels an existing Human Ecology or campus major will not be approved.

Graduates of the individual major earn a bachelor of science in human ecology. The major will match the approved proposal title, which must have a human ecology focus.

HOW TO GET IN

HOW TO GET IN

CURRENT UW–MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. Please contact the Human Ecology Advising & Career Center for the complete individual major application instructions.
Courses required to get in	None.
GPA requirements to get in	3.50 minimum cumulative GPA.
Credits required to get in	24 credits minimum.
Other	Must be in good academic standing with their current school or college.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

INDIVIDUAL MAJOR REQUIREMENTS

The student will work with the faculty committee to develop the individual major proposal and select all required courses, the majority of which must be completed in Human Ecology. If the Individual Major is approved by the Human Ecology Undergraduate Program Council, the student will complete all required courses as outlined with the faculty committee.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

There is no standard four-year plan for the Individual Major.

ADVISING AND CAREERS

ADVISING AND CAREERS

Students interested in pursuing an individual major should first meet with a Human Ecology academic advisor to ensure program eligibility and to discuss their area of interest and rationale. Appointments should be made by contacting the Human Ecology Advising & Career Center (https://advising.humanecology.wisc.edu/) at 608-262-2608.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

INTERNSHIPS

Internships are a vital part of student career development and a highly valued component of the undergraduate curriculum in the School of Human Ecology. High-quality internships foster student development by bringing theories and classroom-based learning to life in real-world settings. In addition, internships give students the opportunity to explore careers related to their major, gain relevant experience in their field(s) of interest, and develop a better understanding of what is expected in a workplace by performing the tasks of a professional in that field.

For Human Ecology majors, internships are a requirement of our undergraduate curriculum. Students must have at least a junior standing (54+ credits) in order to pursue a 3-credit internship and must complete a minimum of 150 hours at the internship site. To be eligible, an internship must be educational in nature, directly relate to a student's major and career goals, and be approved by the Advising & Career Center (https://go.wisc.edu/acc_office/).

For some Human Ecology majors, additional course prerequisites may be required. For more information, visit Human Ecology Internships (https://advising.humanecology.wisc.edu/careers/internship-requirement/).

STUDENT ORGANIZATIONS

To see our active list of Human Ecology Student Orgs and for more information about joining, please visit Human Ecology Student Organizations (https://advising.humanecology.wisc.edu/studentlife/join-a-student-organization/).

Learn more about UW–Madison registered student organizations through the Wisconsin Involvement Network (https://win.wisc.edu/).

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS

The School of Human Ecology (SoHE) awards many merit and need-based scholarships each year. Students can learn more about these opportunities on the Human Ecology scholarships webpage (https://humanecology.wisc.edu/academics/scholarships/). To be eligible for these awards, scholarship recipients must be registered as full-time Human Ecology students. For further questions on the scholarship application, please contact the School of Human Ecology Scholarship Coordinator at scholarships@sohe.wisc.edu.

SUPPORT RESOURCES

Human Ecology students experiencing personal, academic, or financial challenges should contact SoHE Academic Deans Services (https://advising.humanecology.wisc.edu/academic-dean-services/). Additional campus resources include the Financial Aid Basic Needs website (https://basicneeds.students.wisc.edu/), Office of Student Assistance and Support (https://osas.wisc.edu/), and University Health Services (https://www.uhs.wisc.edu/).

SCHOOL OF HUMAN ECOLOGY HONORS

The School of Human Ecology Honors Program provides an opportunity for students to pursue coursework in greater depth than is possible in regular courses. The honors program is a school-wide program open to students regardless of major. Honors program members are eligible to enroll in courses offered for honors-only credit, to participate in campus wide activities for honors program students, and to apply for special research-funding opportunities. Upon completion of the honors program requirements and degree requirements, the student will receive an honors degree from the School of Human Ecology. The transcript for a Human Ecology honors student who does not complete all honors degree requirements will have the honors designation next to honors courses completed.

HOW TO GET IN

HOW TO GET IN

Students interested in pursuing the School of Human Ecology Honors Programs should first meet with an academic advisor in the Advising & Career Center. Admission decisions are made by a faculty committee in the appropriate SoHE department and will take into consideration the eligibility criteria listed below and the strength of the written application.

- *Freshmen.* Admission as a newly enrolled freshman requires a 3.3 grade point average or high school class ranking in the top 10% and a composite ACT score of 27 or a combined SAT score of 1100.
- *Continuing Students.* Admission of currently enrolled students requires a minimum 3.3 grade point average. Students, both transfer and those currently enrolled in SoHE, may apply for entrance to the Honors Program in any semester of their undergraduate career after the 3.3 minimum grade point average has been established.

REQUIREMENTS

REQUIREMENTS

In addition to the School of Human Ecology degree requirements, honors program students must:

- Complete a total of at least 24 honors credits, with at least 12 of the honors credits obtained in Human Ecology coursework.
- Maintain a minimum grade point average of 3.3 in all UW-Madison courses to continue in the honors program.
- Receive a grade of B or above in a course to receive honors credit for that course.
- Complete an honors thesis for at least three, but no more than six, senior honors thesis credits. Students are strongly recommended to consider registering for two semesters of senior honors thesis credits for adequate time to plan and complete the senior honors thesis. Senior honors thesis credits may count toward the 12 credits minimum of Human Ecology honors credits.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING & CAREER CENTER

The Advising & Career Center (ACC) fosters undergraduate students' personal, academic, and professional development. Through advising, academic planning, and career education, we support students as they navigate the college experience—from exploring our majors as prospective students to becoming Human Ecology alumni.

Academic Advising

Each Human Ecology student is assigned to an academic advisor in the Advising & Career Center. Human Ecology academic advisors support academic and personal success by partnering with current and prospective Human Ecology students as they identify and clarify their educational goals, develop meaningful academic plans, and pursue their own Wisconsin Experience.

To explore academic advising resources or schedule an appointment with Human Ecology academic advisor, visit Academic Advising in Human Ecology (https://advising.humanecology.wisc.edu/academics/scheduling/).

Career Development

Each Human Ecology student is assigned to a career advisor in the Advising & Career Center. Active engagement in the career development process is a vital component of a student's personal growth in college and future success as a lifelong learner, professional, and global citizen. Human Ecology career advisors help prepare students for life post-graduation through advising and integration of career readiness throughout our curriculum.

To explore career development resources or schedule an appointment with a Human Ecology career advisor, visit Career Development in Human Ecology (https://advising.humanecology.wisc.edu/careers/scheduling/).

SCHOOL OF NURSING

The School of Nursing (https://nursing.wisc.edu/), established in 1924, is the leading nursing research institution in Wisconsin and a crucial part of the state's health care system.

The school offers a full array of degree programs; the bachelor of science in nursing (BSN), the doctor of nursing practice (DNP), and the doctor of philosophy in nursing (PhD), along with several graduate-level certificate programs.

Undergraduate (BSN) programs include:

- Traditional BSN: a four year program
- Accelerated BSN: a 12-month program for second-degree candidates
- RN to BSN: for registered nurses who hold an associate's degree in nursing and wish to earn the baccalaureate degree.

Additionally, options exist for honors study in the major, as well as joint programs whereby students can earn the master of public health along with the BSN or transition directly to the PhD program via the Early Entry PhD Option.

Student life pairs the educational and social resources of a large, world-class university with a supportive environment at the school. Students receive comprehensive support services related to advising, program planning, clinical placements, career services, financial aid, and post-graduation credentialing.

World-renowned facilities for clinical practice and research are available in and around Madison. These include University of Wisconsin Hospital and Clinics, American Family Children's Hospital, UW Carbone Cancer Center, and William S. Middleton Memorial Veterans Hospital; hospitals and clinics in urban and rural settings; long-term care facilities; schools; and public health agencies. The university's location in Wisconsin's capital offers additional opportunities in state government and policy making.

On campus, Signe Skott Cooper Hall, the home of the School of Nursing's, has state-of-the-art classrooms, simulation labs, meeting and research facilities, and social gathering spaces in an environment dedicated to the health and wellness of students, faculty, staff, and the communities and populations we serve.

The school's mission is to develop nurses leaders, innovators, and advocates for the profession and society through research, education, practice, policy, and outreach.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Nursing, BSN (p. 1778)
- Nursing, BSN (Accelerated Program) (p. 1783)
- Nursing, BSN (Collaborative Program) (p. 1788)

ENTERING THE SCHOOL

ENTERING THE SCHOOL

ADMISSION TO UW–MADISON

All prospective UW–Madison nursing students must apply through the central Office of Admissions and Recruitment (https://www.admissions.wisc.edu/).

Pre-Nursing Freshmen

Students who indicate interest in the nursing major on their UW–Madison application will be admitted to the School of Nursing as pre-nursing (PRN) students. In addition, students may indicate interest in the nursing major when registering for Student Orientation, Advising, and Registration (SOAR). The School of Nursing is the academic home for pre-nursing students, providing orientation, academic advising, academic support, etc., while students complete nursing prerequisite courses and general education requirements in preparation to apply to the nursing major. Most pre-nursing students apply to the nursing major midway through their sophomore year to enter the two-year Traditional BSN program as juniors.

Pre-Nursing Transfers

Students may transfer to UW–Madison as pre-nursing students. As with pre-nursing freshmen, transfer students have an academic home in the School of Nursing as they work to complete prerequisites and general education requirements in preparation to apply to the two-year Traditional BSN program.

Second-degree Candidates

Students seeking to earn a second degree in nursing can apply directly to either the Traditional BSN program or the Accelerated BSN program upon completing necessary admission requirements (see details below). Second-degree candidates must be admitted directly into the nursing program; they cannot enter UW–Madison as pre-nursing students.

ADMISSION TO THE NURSING PROGRAM

Traditional BSN

As students complete the requirements to be eligible to apply to the nursing program, they apply to the two-year Traditional BSN program. To be eligible to apply, students must complete the necessary prerequisite courses and have the minimum 2.75 cumulative and prerequisite GPAs; complete details on the Traditional BSN admission requirements and application process can be found on the Traditional BSN admission page (p. 1778) of this *Guide*.

Accelerated BSN for Second-Degree Candidates

Second-degree candidates can apply for the Accelerated BSN program. This is a 12-month intensive baccalaureate program that offers the quickest route to licensure as a registered nurse (RN) for students who have already completed a bachelor's degree or graduate degree in a non-nursing discipline. Students must complete nursing prerequisite courses and the university General Education Requirements, and have the minimum GPAs, to be eligible to apply. Complete details on the accelerated BSN admission requirements and application process can be found on the Accelerated BSN admission page (p. 1783) of this *Guide*.

RN to BSN (BSN@Home)

Registered nurses who have an associate's degree or diploma in nursing can apply to enter the BSN@Home program to earn their bachelor's degree in nursing (BSN). There are GPA minimums and course requirements necessary for admission eligibility. These details are included on the BSN@Home admission page (p. 1788) of this *Guide*.

CURRENT UW–MADISON STUDENTS

Students with at least a 2.75 cumulative and nursing prerequisite GPA may transfer into the School of Nursing as pre-nursing (PRN) students. Students who are not in the School of Nursing may also apply for the Traditional BSN program without being pre-nursing students. Transfer requests (i.e., classification changes) must be made before the twelfth week of the semester in order to be applied to that semester. Requests made after the twelfth week will take effect at the start of the following semester. For more information and to request a classification change to PRN, students should contact the nursing Office of Academic Affairs at 608-263-5202 or academic.affairs@nursing.wisc.edu.

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

The students, faculty, administration, and staff of the School of Nursing are part of the University of Wisconsin–Madison's academic community, and as such, are subject to the policies, rules, and regulations of the university. In addition, the school and its respective programs may, as deemed necessary, develop their own policies and procedures to augment those of the university. Following are the specific School of Nursing policies and regulations that expand upon or differ from the policies of the university as a whole.

ACADEMIC STATUS

Academic Actions (Warning, Probation, Drop)

Every student (pre-nursing and nursing) is expected to maintain at least a 2.5 GPA on all work carried, whether passed or not, in each semester or summer session. Students who maintain this average are considered in **good academic standing**. Failure to earn this minimum GPA will result in the academic action of **warning**, **probation**, or **dropped** (academically dismissed). Students must be in good academic standing in order to be eligible for graduation.

If not on warning and:

1. Earns a GPA in a semester or summer session of 1.75–2.49 = warning
2. Earns a GPA in a semester or summer session of less than 1.75 = probation

If on warning and:

1. Earns a GPA in a semester or summer session of 1.75–2.49 = probation
2. Earns a GPA in a semester or summer session of less than 1.75 = dropped from the program

If on probation and:

1. Earns a GPA in a semester or summer session of 2.5 or above but cumulative GPA remains under 2.5 = continued probation
2. Earns a GPA in a semester or summer session of less than 2.5 or a nursing cumulative GPA below 2.5 = dropped from the program

In addition to the academic actions detailed above, nursing (NUR) students are placed on probation if they:

1. Earn a grade of F or NC in any nursing course, and/or
2. Earn a nursing cumulative GPA below 2.5

Any student on academic action will automatically be cleared of action status when the semester GPA is 2.5 or above and the cumulative GPA is 2.5 or above; and if NUR or NCP (i.e., BSN@Home) classification, the nursing cumulative GPA is at least 2.5 or above.

Dean's Honor List

The purpose of the Dean's Honor List is to recognize superior academic achievement of undergraduate students. Students must achieve a minimum GPA of 3.75 on a semester load of not fewer than 12 credits in order to be placed on the Dean's Honor List. A notation of *Dean's Honor List* will appear on the student's grade report and transcript. Students who earn a semester GPA of 3.25–3.74 on 12 or more credits will receive a congratulatory statement on their end-of-semester grade report form.

English as a Second Language

All nursing students must be proficient in English to provide safe patient care and to be successful academically. Students facing challenges in these areas may be referred by self-identification, a faculty member, or advisor to support services. Although limited English proficiency in itself is not a reason for dismissal, it can interfere with a student's ability to complete course requirements, leading to failure to progress or meet program requirements.

Good Academic Standing

To be in good academic standing, students must maintain:

- a cumulative GPA of 2.5 or above, and
- a cumulative GPA of 2.5 or above on all nursing courses completed, and
- a GPA of 2.5 or above in the semester just completed

Graduating with Distinction

Graduation with Distinction will be noted on the transcript of students who earned 60 or more credits at UW–Madison and a GPA that places them in the top 20 percent of those graduating from the School of Nursing that term.

Satisfactory Academic Progress

The time required to complete the program depends on the sequence of courses, plan of study, and placement availability in nursing courses. Students may complete the program in four years; however, additional semesters or summer sessions may be needed to fulfill requirements. If requirements for the degree have not been completed within five years after admission to the nursing major, the student's academic record will be reviewed by the Office of Academic Affairs to establish additional requirements, if appropriate.

PROGRESSION REQUIREMENTS

Students must successfully complete all courses for each term before proceeding to the next term. Successful course completion in the School of Nursing requires students to earn a grade of C or Credit/CR (in the clinical course that are offered on a Credit/No Credit basis) in each required nursing (NURSING#) course. Any student who earns a grade below C or does not receive credit for a clinical course must repeat the course and earn a C or higher (or CR in a clinical course) in order to progress in the program. Because nursing courses are not offered every semester, a student who does not successfully complete one or more courses during a term will fall off standard progression and will complete a modified program plan with an extended time to degree.

STUDENT APPEALS, PETITIONS, AND GRIEVANCES PROCEDURES

Section One: Appeals

Appeals are limited to requests to continue in the curriculum after being dropped from the program and/or course grade appeals.

Drop Appeals

Any undergraduate or graduate student who feels they should not have been dropped from the program has the right to file an appeal. The appeals procedure is available for students to provide additional information regarding their circumstances which have contributed to their dropped status. The appeal procedure is described below. Throughout the appeal process, the student (hereby referred to as appellant) may be accompanied by a support person.

Course Grade Appeals

A student who believes a grade received in a Nursing course was an error or not consistent with guidelines outlined in the syllabus or campus standards has the right to appeal the grade.

The student should first speak with the course faculty member in an effort to resolve the issue informally. This must be done within 10 business days of the grade posted to the students record. During this informal process both student and faculty may consult with the Associate or Assistant Deans for Academic Affairs to seek resolution of the issue.

If the student remains dissatisfied with the grade, the student has the option to initiate the formal appeal procedure. To do this, the student (hereby referred to as appellant) must submit the appeal, as outlined below.

Filing Appeal

1. The student must submit a petition for special consideration form to the Assistant Dean for Academic Affairs within 10 business days of notification of academic status or grade posting. The appeal must include:
    a. Precise grounds on which the appeal is based.
    b. Circumstances associated with the need to appeal.
    c. Arguments supporting the appeal.
    d. Description of proposed remedial actions to be taken to improve the student's academic performance.
    e. The appellant may also submit letters of support from persons knowledgeable about the appellant's current and/or past academic work and/or other matters related to the appellant's academic performance. Any such letters must be submitted to the Assistant Dean via email by the same deadline.
2. Within 15 business days after receiving the appeal, the Assistant Dean for Academic Affairs shall arrange for a committee meeting. The committee may request additional information from the appellant and/or request them to appear before the committee. The appellant may bring a support person to the appeal meeting and must notify the Assistant Dean for Academic affairs at least three business days prior to the meeting. The appellant's chosen support person is limited to providing advice and support to the appellant.
3. Within 60 calendar days after the committee receives the appeal from the Assistant Dean for Academic Affairs, the committee shall send a written report of the committee's recommendations to the Assistant Dean for Academic Affairs.
4. The Assistant Dean for Academic Affairs will consider the committee's recommendation and issue a decision on the appeal. The decision will

be communicated by email to the student within 10 business days after the receipt of the committee's recommendation.

5. If the appeal is granted, the Assistant Dean for Academic Affairs will discuss with the appellant any stipulations (binding) and recommendations (non-binding) for continuation in the program.
6. If a student chooses to appeal the decision, the appeal will be directed to the Associate Dean for Academic Affairs. The student must submit a written appeal, by email, to the Associate Dean within 10 business days upon being sent the decision from the Assistant Dean for Academic Affairs. The written document must include specific justifications regarding the grounds of the appeal, which are limited to:
   a. School policies were incorrectly applied;
   b. Decision is contrary to state or federal law;
   c. Proper appeal procedures were not followed; or
   d. Unfounded, arbitrary, or irrelevant assumptions of fact regarding the appellant's performance were made by the Appeals Committee. Appellant must also identify the specific aspects of the decision that they believe meet the criteria cited as a basis for appeal.

The Assistant Dean for Academic Affairs will provide the Associate Dean for Academic Affairs with a copy of the initial grievance, the committee's recommendation, and the Assistant Dean for Academic Affairs's decision. No new information relevant to the grievance may be introduced to or considered by the Associate Dean for Academic Affairs. The Associate Dean for Academic Affairs shall notify the student and the committee of the decision in writing within 30 business days. The Associate Dean's decision is final.

Section Two: Petitions

If a student in the School of Nursing wishes to request an exception to a School of Nursing academic policy or regulation they should first consult their academic advisor. Then, the student must formally submit their request using the Petition for Special Consideration (https://uwmadison.co1.qualtrics.com/jfe/form/SV_07Y6YZUOYXJnQ2O/) form. Exception requests could be related to academics (i.e. dropping a course or withdrawing after the deadline etc), clinicals/compliance (i.e. waiver for specific compliance requirement), or admission to one of the School of Nursing's academic programs.

Exceptions to established policies, regulations, and/or program requirements should be rare and will be considered on an individual case by case basis. They will be reviewed by the School of Nursing's Academic Affairs office.

Section Three: Grievances

The following School of Nursing Student Grievance Policy and associated procedures are designed for use in response to individual student grievances regarding faculty or staff in the School of Nursing.

Any individual student who feels they have been treated unfairly by a School of Nursing faculty or staff member has the right to file a grievance and receive a timely response addressing their concerns. Any student, undergraduate or graduate, may use these grievance procedures, except student employees whose complaints are covered under other campus policies. The grievance procedure is available to resolve student concerns regarding inequitable treatment that have not been satisfactorily resolved through the informal resolution process or where the student believes that informal resolution would not be productive. The grievance procedure is described below. Throughout the grievance process, the student may be accompanied by a support person. The use of this grievance procedure shall not prevent the student from seeking redress through another administrative or legal process.

For grievances regarding discrimination based on protected bases (i.e., race, color, national origin, sex, disability, age, etc.), contact the Office of Compliance (https://compliance.wisc.edu/eo-complaint/).

For grievances or concerns regarding sexual harassment or sexual violence (including sexual assault, dating/domestic violence, stalking and sexual exploitation), contact the Sexual Misconduct Resource and Response Program within the Office of Compliance (https://compliance.wisc.edu/titleix/).

For grievances that involve the behavior of a student, contact the Office of Student Conduct and Community Standards in the Dean of Students Office at https://conduct.students.wisc.edu/.

For grievances about, or directed at, faculty or staff in the School of Nursing, students should follow these steps:

Informal Resolution

Any student in the School of Nursing who believes they have been treated inequitably is encouraged to resolve the matter informally. The student should first talk with the person or group at whom the grievance is directed in an attempt to resolve the issue informally. The student may contact the Associate Dean for Academic Affairs for assistance in resolving the matter informally. If students are unable to resolve concerns directly or without additional support, please see step two.

Formal Grievance Procedure

1. Any student in the School of Nursing who has attempted to informally resolve a grievance but has been unsuccessful, may submit a formal grievance to the Associate Dean for Academic Affairs.
2. The student must submit a written grievance by email to the Associate Dean for Academic Affairs within 20 business days of the alleged unfair treatment. To the fullest extent possible, a formal written grievance needs to contain a clear and concise statement of the issue(s) involved as well as the relief sought.
3. Within 30 business days after receiving the grievance, the Associate Dean for Academic Affairs shall arrange for a committee meeting. The committee may request a written response from the person or group at whom the grievance is directed, may ask for additional information from any or all parties involved, may request that the parties involved appear before the committee, and/or may take other steps in attempting to resolve the grievance.
4. Within 60 calendar days after the committee receives the grievance from the Associate Dean for Academic Affairs, the committee shall send a written report of the committee's recommendations to the Associate Dean for Academic Affairs.
5. The Associate Dean for Academic Affairs will consider the committee's recommendation and issue a decision on the grievance. The decision will be communicated by email to the student within 10 business days after the receipt of the committee's recommendation.
6. If a student chooses to appeal the decision, the appeal will be directed to the Dean of the School of Nursing. The student must submit a written appeal, by email, to the Dean within 10 business days upon being sent the decision from the Associate Dean for Academic Affairs. The written document must include specific justifications regarding the grounds of the appeal. The Associate Dean for Academic Affairs will provide the Dean with a copy of the initial grievance, the committee's recommendation, and the Associate Dean for Academic Affairs' decision. No new information relevant to the grievance may be introduced to or considered by the Dean. The Dean shall notify

the student and the committee of the decision in writing within 30 business days. The Dean's decision is final.

CLINICAL/EXPERIENTIAL LEARNING COURSES

All nursing students are required to complete credit hours in the clinical setting under the supervision of a nursing professional. In the School of Nursing, the term *experiential learning* is used to describe the clinical course experience. These clinical experiences support the mission of the School of Nursing, integrating practice and coursework, to provide a comprehensive nursing education. There are some policies specific to experiential learning courses:

Compliance Requirements

The School of Nursing is committed to ensuring all nursing students are compliant with national and state guidelines for personnel providing nursing care, as well as additional/specific requirements mandated by the school's clinical affiliates as set forth in the clinical affiliation agreements. Therefore all nursing students are required to be in full adherence to the school's compliance program while enrolled in the nursing program. The school's compliance program includes immunizations, trainings, and a background check. Students will be held accountable for complying with the clinical eligibility requirements prior to entering the program and throughout their program of study. All students are required to keep their compliance documents up to date as an essential part of their professional responsibility for patient safety. Review the Nursing Student Compliance Program (https://students.nursing.wisc.edu/clinicals-compliance/compliance/) for complete details.

Clinical Placements

Students are assigned to clinical placement sites based on the faculty's selection of clinical sites specific to the learning objectives of the course, site characteristics, and availability. Students need to be prepared to travel up to 90 miles from the School of Nursing and have varied schedules including evenings, nights and weekends. Clinical shifts may be 4-12 hours long. The School of Nursing secures clinical placements for all students who are eligible. Students are not asked to nor allowed to arrange their own clinical placements.

Clinical Hour Completion Within the Term/Rotation

Experiential learning/clinical work required for School of Nursing courses must be completed during the term or session of enrollment. These official terms and dates are when the faculty have effort allocated to course instruction and also when our clinical partners have agreed to engage with students in clinical rotations. Per the university's Academic Calendar (https://secfac.wisc.edu/academic-calendar/), there are three terms each academic year: fall, spring, and summer. Each term has an official date instruction begins and last class day. In addition, some clinical courses are broken down into shorter rotations within a term, typically an eight-week session. Clinical work and clinical hours must be completed between these term/session/rotation dates. It is not an option to start clinical work prior to the first day of instruction or to complete clinical work after the last day. Exceptions may be made in the case of extenuating circumstances or if a student is assigned an Incomplete grade for the course. Any requests for an exception to this policy should be directed to the course instructor who will review the request with the Director of Clinical Practica to determine its appropriateness and feasibility.

Transportation

The School of Nursing recognizes that students need educational experiences beyond those available in hospitals in Madison, Wisconsin. In answer to this educational need, and in order to secure enough clinical sites for all students, the school places its students in a variety of venues in and beyond Madison. This includes ambulatory sites, clinics, rehabilitation centers, home health agencies, geriatric facilities, school districts, nursing homes, etc. This gives our students comprehensive exposure to a broad range of patients, illness, and care. Nursing students are responsible for arranging their own transportation to and from their clinical sites. First-year clinicals are accessible by public transportation from Signe Skott Cooper Hall and other points in Madison. Second-year clinicals require travel to and from an agency, as well as to and from homes, schools, and other sites. Locales may be up to 90 miles from Madison. Therefore, second-year nursing students are required to have (1) a valid driver's license, and (2) individual access to a car. Students are responsible for all transportation costs incurred, including gas and parking fees. Students with extenuating circumstances that have an impact on their clinical transportation options (e.g., driving/medical restrictions) should use the Petition for Special Consideration (https://nursingstudentnet.wiscweb.wisc.edu/wp-content/uploads/sites/222/2017/07/petition-spec-consideration-ug.pdf) to request an accommodation or exception to the transportation policy. The petition must be submitted on/by March 1 for clinical placements during the next fall term and on/by November 1 for the next spring term placements. These deadlines are firm, as a petition must be reviewed in advance of clinical assignments. There is no guarantee the school will be able to honor such requests/conditions, and exceptions are granted in very rare circumstances.

Uniforms

Nursing students are required to purchase the approved School of Nursing uniform. The uniform consists of a white top and navy pants. The white top, embroidered with the School of Nursing logo, is available in two styles and the pants will be available in three styles. Lab coats embroidered with the school logo are also required and are worn when students are on their clinical units doing clinical preparation and during most community clinical experiences. In addition to the uniform requirements, there are also professional appearance guidelines (https://students.nursing.wisc.edu/clinicals-compliance/clinical-information/) for students.

Unsafe Clinical Performance

A student who demonstrates unsafe nursing practice that jeopardizes the client's or family's physical or emotional welfare may be dismissed at any time from the clinical area. Unsafe clinical practice is defined as any behavior determined by faculty or a preceptor to be actually or potentially detrimental to the client or to the healthcare agency. Unsafe clinical practice can include behaviors related to physical or mental health problems; use of alcohol, drugs, or chemicals; lack of preparation for clinical; or deficits in problem-solving skills. Reports of unsafe clinical performance will be routed through the course professor and/or the course coordinator to the Associate Dean for Academic Affairs who will work with the faculty and student to determine the appropriate outcome, which may include immediate removal from the course (i.e., administrative drop) and subsequent implications for academic progression.

Student Invasive Procedures

During clinical laboratory classes, experiential learning sessions, and/or or at any other time, students may not practice invasive procedures on themselves, other students, faculty, preceptors, staff, and/or any other unauthorized individuals. This includes, but is not limited to, any invasive procedures that require needles, syringes, and/or intravenous supplies; nasogastric tube insertion; catheterization; etc. During some non-invasive experiences, such as physical assessment, listening to a heartbeat, or taking a blood pressure, students may be asked to act as practice participants. If a student has any objection to providing this

experience, they should notify the instructor immediately so that an alternate experience can be provided.

COURSES AND ENROLLMENT

Enrollment

The Office of the Registrar publishes university deadlines for adding and dropping individual courses, withdrawing (from all courses), and selection options such as pass/fail and audit. Changing enrollment can have consequences for academic standing, tuition, progress toward degree, etc. Students are strongly encouraged to consult with an academic advisor or the academic dean in the School of Nursing prior to initial enrollment and before making any changes to enrollment. Exceptions to or extensions of the university deadlines may only be requested via the Petition for Special Consideration (http://academic.son.wisc.edu/studentnet/forms/petition-spec-consideration-ug.pdf).

Attendance

The School of Nursing expects that students recognize they have entered a profession in which their commitment to full participation in the learning environment is an essential component of what will become a style of life-long learning. Regular class attendance is a student obligation and students are responsible for all the work of all educational activities. Students should not expect to be excused from required coursework for personal/family events, work obligations, or because of non-compliance with School of Nursing or clinical agency health and onboarding requirements. In extraordinary circumstances, an absence may be granted at the discretion of the course instructor. This might include an absence due to personal crisis, military or civic obligation, authorized university activity, religious observances, or health concerns that affect the student's ability to safely care for patients. In most cases, students will be required to provide documentation regarding the absence.

Didactic Course Attendance

In most didactic courses, attendance and/or participation are factored into the grading process. Absences may place students in jeopardy of not meeting course learning outcomes and thus successfully completing the course. If this occurs, the instructor will consult with the Undergraduate Program Director and/or the Assistant Dean for Academic Affairs to determine the appropriate course of action, which may include being removed (i.e., administratively dropped) from the course. Students should review each course syllabus for specific policies related to absences in that course and make-up experiences, if applicable.

Experiential Learning Attendance

It is the expectation that students attend all Experiential Learning activities as clinical learning is essential to the completion of the nursing program. If a student must miss an Experiential Learning session due to an extraordinary circumstance, a decision as to whether the student will make up the experience/hours will be based on the student's progress in meeting course learning outcomes. The instructor, in consultation with the Course Coordinator (if applicable), will determine if the absence will be made up and the nature of the make-up experience. The instructor/Course Coordinator will consult with the Undergraduate Program Director and/or the Assistant Dean for Academic Affairs in situations where absence is placing the student's success in the course at risk. A student who misses more than 7.5 percent of Supervised Experiential Learning hours, as specified in the course syllabus, for any reason will be removed (i.e., administratively dropped) from the course for as the result of not being able to meet course learning outcomes. Students should review each course syllabus for specific policies related to absences in that course and make-up experiences/hours, if applicable.

Credit/No Credit Courses

Some courses are designated as being offered on a Credit/No Credit basis. The transcript for the course will indicate either CR (meaning the student earned credits for the course) or N (meaning the the student did not earn any credit for the class). Students may not take such courses on any other basis.

Concurrent Registration and Enrollment

In some rare circumstances, and only with prior approval of the academic dean, students may enroll to earn degree credit concurrently at UW–Madison and any other accredited postsecondary school, including the UW–Extension. Requests for approval should be made prior to the end of the second week of classes of the semester in which dual registration is desired. Courses must be completed during the semester in which concurrent enrollment is allowed. To request permission for concurrent enrollment, submit the Petition for Special Consideration (http://academic.son.wisc.edu/studentnet/forms/petition-spec-consideration-ug.pdf).

Drop Notation

The Drop (DR) notation appears on students' records if they drop a class or classes after the last day to drop courses or withdraw without a DR or W grade notation appearing on students' transcripts. For the specific deadline for dropping classes so a DR will not appear on a student's records, see Deadlines at a Glance (https://registrar.wisc.edu/dates/) on the Office of the Registrar website. Please note that the School of Nursing does not backdate drops to erase them from a student's academic records or extend the drop deadline so that the DR will not appear.

Dropping a Nursing Course

A student who drops a nursing (NURSING#) course may reenroll in the course when space is available. A student who drops a nursing course a second time is not eligible for the course a third time.

Independent Study

Students are responsible for identifying their area of interest or question, establishing objectives for their learning experience, and developing a learning contract with the faculty member. All independent study requires the consent of the instructor. Approval forms are available on the forms page (https://students.nursing.wisc.edu/policies-forms/forms/) within the School of Nursing Student Site.

Registration Changes

The Office of the Registrar publishes university deadlines for adding and dropping individual courses, withdrawing (from all courses), and selection options such as pass/fail and audit. Changing enrollment can have consequences for academic standing, tuition, progress toward degree, etc. Students are strongly encouraged to consult with an academic advisor or the academic dean in the School of Nursing prior to initial enrollment and before making any changes to enrollment. Exceptions to or extensions of the university deadlines may only be requested via the Petition for Special Consideration (http://academic.son.wisc.edu/studentnet/forms/petition-spec-consideration-ug.pdf).

Reentry

Any student who leaves the School of Nursing and wishes to return after an absence of one semester or more must file a reentry application with the UW–Madison Office of Admissions and Recruitment. Permission to reenter is dependent on program capacity, previous academic standing, and length of absence. Immediate placement in required nursing courses is not assured. Students seeking reentry to the baccalaureate program who have left on academic action must be reviewed by the Office of Academic Affairs. If readmission is granted, academic requirements may be specified

to insure currency in nursing knowledge and skills prior to enrolling in clinical nursing courses. These requirements may include remediation and/or repetition of courses, depending on academic standing or length of time since leaving the program. The remaining program will be planned as considered best for the student and according to the current curriculum.

Retaking Courses

Each individual required nursing course may be repeated only once with a maximum of two repeated courses in the curriculum. Students who do not successfully complete a course after two attempts or who must repeat more than two different courses will be dis-enrolled from the nursing program. A course for which a student earned a grade below C (or NC in a clinical course) must be repeated within the next two semesters in residence. All grades earned will be used in calculating the student's cumulative and nursing grade point averages, but credits will be counted only once toward the minimum nursing and degree credit requirements.

Didactic/Theory Courses: Undergraduate students may repeat any required didactic/theory course once without special permission.

Clinical Courses: To repeat a clinical course, an appeal must be made to the Associate Dean for Academic Affairs who will determine if the appeal merits approval. Upon a successful appeal, a student may repeat a clinical course based upon course schedule and program capacity.

Withdrawal

A nursing student who finds it necessary to withdraw during a semester or summer session must talk with an academic advisor and complete the withdrawal process. Failure to do so may result in a recording of failure for all courses. Any student may withdraw from the program without grades being recorded during the first 12 weeks of a semester. After the 12th week, a student may withdraw only with the permission of the Office of Academic Affairs.

CREDITS

30-Credit residence requirement

Students must complete at least 30 credits at UW–Madison. Baccalaureate students must complete at least 15 credits in nursing courses from the School of Nursing, including one required clinical nursing course at the 400 level or above.

Credit Load

A full-time program is 12 to 18 credits for a semester. Students who wish to carry more than 18 credits per semester must obtain permission from the Office of Academic Affairs. Students will be assessed additional tuition per credit on all credits carried over 18.

Retrocredits

The School of Nursing grants retroactive foreign language credit to students for foreign language skill developed in high school or elsewhere. To earn retroactive credits for language, students must enroll in a higher level language course at UW–Madison before the end of the first two semesters in residence. Transfer students must enroll in the course on the UW–Madison campus before they earn 30 degree credits (including credits transferred from other campuses but not including AP, CLEP, IB, or retro credits in another language). Students must earn a grade of B or better. If these conditions are met, retroactive credits should appear automatically on a student's transcript by the beginning of the following semester. Students will receive credit for the UW course completed and for all lower level courses in that language up to 16 retroactive credits maximum. These retroactive language credits may be used to meet degree requirements of the college or department, but may not be used to meet humanities requirements. They will be counted as electives only.

DEGREES

Second Undergraduate Degree

Second undergraduate degree candidates are considered for admission to both the pre-nursing and nursing classifications. Students who apply as second undergraduate program candidates must meet the admission and transfer grade point requirements of the university in place at the time they apply for admission. If admitted, an action is taken granting permission to pursue a second degree.

Second Major

Students may request permission to pursue a second major along with the nursing degree. Students must complete the nursing school's Petition for Special Consideration (https://nursingstudentnet.wiscweb.wisc.edu/wp-content/uploads/sites/222/2017/07/petition-spec-consideration-ug.pdf) to make the request.

GRADES

Grading Scale

The school has a standard grading scale in nursing courses that are graded A-F, as noted below. Some Experiential Learning (i.e., clinical) courses are graded Credit/No Credit.

A: 94–100
AB: 88–93.99
B: 82–87.99
BC: 76–81.99
C: 70–75.99
D: 65–69.99
F: <65

Incompletes

A grade of Incomplete may be assigned to a student who, because of illness or another unusual and substantiated cause beyond their control, is unable to complete the coursework.

To be eligible for an Incomplete grade, the student must:

- be earning a passing grade to-date in the course,
- and have a limited amount of work to complete by the end of the term.

For a short summary of the policy, see the Enrollment and Records - Incompletes section (https://uwprod-my.sharepoint.com/undergraduate/#undergraduateincompletes) of Guide.

Minimum Grade Requirement

Students must earn a grade of C (2.0) or higher in each required nursing (NURSING#) course, including didactic/theory and clinical courses. Students must receive credit (CR) in any clinical course that is offered on a Credit/No Credit basis. Any student who earns a grade below C or does not receive credit for a clinical course must repeat the course and earn a C or higher (or CR in a clinical course) in order to progress in the program in accordance with subsequent course prerequisites.

Pass/Fail

The total number of ungraded credits (i.e., pass/fail) applied to graduation requirements may not exceed 24. Students who plan graduate study are advised to consult with graduate studies departments to determine acceptance of credits taken under the pass/fail option. Students eligible for the pass/fail privilege are continuing students with NUR, NCP (BSN@Home), or PRN classifications who have a minimum 2.5 cumulative GPA on all courses completed and have no end-of-semester academic actions on their current record. Newly admitted students in these classifications are also eligible for the pass/fail privilege. Only one course

can be carried on pass/fail basis during each semester or summer session; or 3 or 4 credits of 1-credit modular courses. No required courses may be carried under the pass/fail option. The registrar's office will convert final letter grades reported by the student's instructor to an S (pass) grade if the letter grade is C or higher or to a U (fail) if the final letter grade is below C. Course credits in which a student obtains a U grade cannot be counted toward the minimum of 124 credits required for graduation. Students interested in the pass/fail option must contact their nursing academic advisor to determine eligibility.

PROFESSIONAL STANDARDS

Students in the School of Nursing must demonstrate patterns of professional behavior that 1) follow the legal and ethical codes of nursing; 2) demonstrate intellectual honesty and a strong sense of personal integrity; 3) show exemplary moral and ethical character; 4) display a responsible, civil attitude towards patients, fellow healthcare workers, classmates, faculty, and staff; 5) show respect for the human rights of individuals; and 6) demonstrate appropriate action to ensure the safety of clients, self, and others. Professional behavior is expected in the classroom, clinical settings, learning activities, and in any additional circumstances where a student represents the university or the School of Nursing. Students whose behavior does not comply with these professional standards will receive sanctions that may include but are not limited to a lower or failing grade in a course, immediate removal from a course (i.e., administrative drop), or dismissal from the nursing program.

RESOURCES

RESOURCES

Signe Skott Cooper Hall

The School of Nursing is located in Signe Skott Cooper Hall. The building features world-class technology and innovative educational spaces that will allow the nursing school to address health care's new standard of excellence—high-tech and high-touch methods and practices that result in better patient outcomes.

Office of Academic Affairs

The Office of Academic Affairs functions as the academic dean's office for the School of Nursing. Staff members interpret school regulations, policies, and program requirements; make exceptions around requirements and deadlines; advise prospective and current students; monitor and support students having academic difficulties; coordinate compliance; facilitate the admissions process; and maintain the official files of students in the school.

Academic and Career Advising

The School of Nursing provides dedicated, professional academic and career advising to undergraduate students in their pre-nursing and nursing years. Detailed information can be found on each individual degree guide page and on the School of Nursing's Student Website (https://students.nursing.wisc.edu/).

Academic Support Services

Career & Student Success (https://students.nursing.wisc.edu/support-assistance/nursing-learning-center/) is available at the School of Nursing. Students can utilize support by Student Success course TAs and peer led study groups.

Student Support Services

Information about student support: academic and non-academic resources, policies, forms, clinicals, and compliance can be found on the School of Nursing's Student Website (https://students.nursing.wisc.edu/).

Student Organizations

The School of Nursing encourages and supports students to pursue their interests and form social networks. You can also find more opportunities by going to the Wisconsin Involvement Network (https://win.wisc.edu/organizations/) page.

Scholarships and Financial Aid

The School of Nursing offers a generous scholarship program to incoming and current School of Nursing students. All School of Nursing applicants and current students are highly encouraged to apply for scholarships. Applications will be considered for all School of Nursing scholarships depending on a variety of factors, including: academic achievement, financial need, leadership experiences, community involvement, personal qualifications, and career interests.

Students are invited to apply to nursing-specific scholarships, as well as campus-wide or non-nursing scholarships, through the Wisconsin Scholarship Hub or WiSH (http://scholarships.wisc.edu/Scholarships/). For more information, see the School of Nursing website (https://students.nursing.wisc.edu/undergraduate-menu/scholarship-aid/).

In addition, university scholarships, loans, and employment are available through the Office of Student Financial Aid (https://financialaid.wisc.edu/) for additional information about financing your education.

HONORS

HONORS

The School of Nursing offers an Honors Program for those high-ability students seeking early research involvement with a faculty mentor. Students who successfully complete the Honors Program graduate with distinguished academic performance and receive a Bachelor of Science in Nursing (BSN) with Honors. In addition, students of the Honors Program acquire an enriched view of nursing science.

Each student in the Honors Program has an active role in identifying a faculty mentor. Once a student is assigned a faculty mentor, the mentor will help the student understand the research process and provide research-related resources. The mentor will also assist with identification and implementation of a senior honors thesis.

Interested students apply for admission to the Honors Program during their first semester in the two-year Traditional BSN program. Admission to the Honors Program is based on past academic work, a short essay, and a letter of reference.

Review the Honors Program (https://students.nursing.wisc.edu/undergraduate-menu/undergraduate-program/) page of the Student Site for complete details.

SCHOOL OF NURSING

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/ CERTIFICATES

- Nursing, BSN (p. 1778)
- Nursing, BSN (Accelerated Program) (p. 1783)
- Nursing, BSN (Collaborative Program) (p. 1788)
- School of Nursing Honors (p. 1791)

NURSING, BSN

The Traditional Bachelor of Science in Nursing (TBSN) degree program prepares individuals for careers in professional nursing in hospitals and other health care agencies. This TBSN program provides a foundation for progressing to positions of increased responsibility, leadership, and continued education in graduate programs. Upon successful completion of the program, students receive a bachelor of science in nursing degree from the UW–Madison School of Nursing.

The curriculum includes courses in nursing as well as in liberal arts and sciences. Most students enter UW–Madison as pre-nursing students and spend their first two years completing nursing prerequisite and general education courses. Students apply midway through their sophomore year to start the nursing program once admitted. From there, the two-year nursing component includes lectures, laboratory, and clinical courses. Nursing courses emphasize clinical decision-making and the application of theoretical knowledge. Clinical experiences can be up to 90 miles from Madison and may include ambulatory sites, clinics, hospitals, rehabilitation centers, home health agencies, geriatric facilities, school districts, nursing homes, policy centers, etc. This range of sites and opportunities gives students comprehensive exposure to a broad range of patients, illness, and care in both clinical patient and community health settings. Elective courses in general education and in nursing permit students to pursue individual interests.

HOW TO GET IN

HOW TO GET IN

CURRENT UW-MADISON STUDENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://nursing.wisc.edu/undergraduate/bsn-traditional (https://nursing.wisc.edu/undergraduate/bsn-traditional/)/)
Courses required to get in	Students are required to complete a course in each of the seven prerequisites listed below. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Chemistry • CHEM 103 • CHEM 104 • CHEM 108 • CHEM 109 Microbiology • MICROBIO 101 • CHEM 343 • NUTR SCI 332 Human Anatomy • ANAT&PHY 337 Human Physiology • ANAT&PHY 335 Psychology • PSYCH 202 Sociology • Any SOC course that carries a social science attribute (https://guide.wisc.edu/courses/soc (https://guide.wisc.edu/courses/soc/)/) • ANTHRO 100 • ANTHRO 104 Human Growth and Development • ED PSYCH 320 • ED PSYCH 321 • ED PSYCH 331 • HDFS 262 • HDFS 263 • PSYCH 460 • PSYCH 464

GPA requirements to get in	At the point of application submission (mid-January): • Earn a "C" or higher in any four of the seven prerequisite courses. • Have a minimum cumulative GPA of 2.75 for all undergraduate courses. • Have a minimum prerequisite GPA of 2.75 for all completed prerequisite courses. Prior to admission (at the conclusion of the spring term): • Earn a "C" or higher in each of the individual seven prerequisite courses • Have a minimum cumulative GPA of 2.75 for all undergraduate courses. • Have a minimum prerequisite GPA of 2.75 for all completed prerequisite courses.
Credits required to get in	At the conclusion of the spring application term, complete at least 54-degree credits.
Other	Have not previously enrolled in a professional Bachelor of Science-Nursing program at another institution.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Mid January	On or before July 1st
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer	

Admission to the nursing major is competitive and determined by a comprehensive review of each student's academic preparation and performance, leadership, extracurricular activities and service, health care experience and background, diversity in experience and background, and the quality of application statements/essays.

UPPER DIVISION ADMISSION

Upper division admission is the standard route into the Traditional BSN nursing program. In this model, students enter UW–Madison as pre-nursing students (PRN), they spend the first two years completing general education requirements and nursing prerequisites, and then apply for admission to the nursing program for the final two years on campus.

PROSPECTIVE TRANSFER AND SECOND-DEGREE APPLICANTS

Students transferring to the University of Wisconsin–Madison, as well as students who already have a bachelor's degree and wish to earn a second degree in nursing, also apply to the Traditional BSN program via the Upper Division Admission option. More information on the admission process and requirements for transfer students and second-degree students is available on the School of Nursing website (https://nursing.wisc.edu/undergraduate/bsn/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

TRADITIONAL BSN MAJOR REQUIREMENTS

Note: This program requires a minimum of 124 credits to earn the degree.

SCIENCE

Code	Title	Credits
Chemistry		
Complete one of the following:		4-5
CHEM 103	General Chemistry I	
CHEM 104	General Chemistry II	
CHEM 108	Chemistry in Our World	
CHEM 109	Advanced General Chemistry	
Microbiology		
Complete one of the following:		3
MICROBIO 101	General Microbiology	
CHEM 343	Organic Chemistry I	
NUTR SCI 332	Human Nutritional Needs	
Anatomy		
ANAT&PHY 337	Human Anatomy	3
Physiology		
ANAT&PHY 335	Physiology	5
Total Credits		**15-16**

HUMANITIES AND SOCIAL SCIENCE

Code	Title	Credits
Psychology		
PSYCH 202	Introduction to Psychology	3
Sociology		
Complete one of the following for 3 credits:		3
Any Sociology course that carries a Social Science attribute (https://guide.wisc.edu/courses/soc/)		
ANTHRO 100	General Anthropology	
ANTHRO 104	Cultural Anthropology and Human Diversity	
Human Growth and Development		
Complete one of the following:		3
HDFS 262	Development of the Young Child	
HDFS 263	Development from Adolescence to Old Age	
ED PSYCH 320	Human Development in Infancy and Childhood	
ED PSYCH 321	Human Development in Adolescence	
ED PSYCH 331	Human Development From Childhood Through Adolescence	
PSYCH 460	Child Development	
PSYCH 464	Adult Development and Aging	
Humanities		
Complete six credits of Humanities		6
Humanities or Social Science		
Complete seven credits of Humanities or Social Science		7
Total Credits		**22**

MATH

Code	Title	Credits
MATH 112	College Algebra	3
Total Credits		**3**

ELECTIVES

Code	Title	Credits
Complete 14 or more credits of electives, if needed.		14
Total Credits		**14**

NURSING

Code	Title	Credits
NURSING/ S&A PHM/ SOC WORK 105	Health Care Systems: Interdisciplinary Approach	2
NURSING 313	Foundations of Nursing Practice	3
NURSING 314	Health Promotion and Disease Prevention Across the Lifespan	3
NURSING 315	Professionalism in Nursing Practice	2
NURSING 316	Foundations of Nursing Practice: Experiential Learning	4
NURSING 317	Pharmacology Essentials for Nursing Practice	3
NURSING 318	Pathophysiology Essentials for Nursing Practice	3
NURSING 323	Health and Illness Concepts with Individuals and Families	4
NURSING 324	Meeting the Psychosocial Health Needs of Individuals, Families, and Communities	3
NURSING 326	Health and Illness Concepts with Individuals and Families: Experiential Learning	4
NURSING 430	Perinatal Nursing	2
NURSING 431	Nursing Care of Children & their Families	2
NURSING 432	Population Health Nursing	2
NURSING 433	Nursing Care of the Older Adult	2
NURSING 436	Health and Illness Concepts with Individuals, Families, and Communities: Experiential Learning	4
NURSING 438	Informatics and Health Technologies for Nursing Practice	1
NURSING 443	Advanced Concepts in Complex Nursing Practice	5
NURSING 445	Transformative Nursing Capstone	1
NURSING 446	Advanced Concepts in Complex Nursing Practice: Experiential Learning	4
NURSING 448	Leadership in the Profession of Nursing	2
NURSING 447	Scholarship for Evidence-Based Practice	2
Total Credits		**58**

RESIDENCE AND QUALITY OF WORK

- A cumulative GPA of 2.5 is required for graduation.
- Students must earn a C or better in all nursing coursework.
- 30 credits of coursework must be completed in-residence

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Promote health and manage illness by providing safe, client-centered, culturally congruent care across the lifespan in a variety of health care settings.
2. Employ professional nursing leadership concepts to address patient care and system needs to promote quality health care outcomes and health equity for all.
3. Make effective use of technology for patient care, education, and management of health information.
4. Understand the roles and scope of practice of disciplines of the health care team and practice as an effective, collaborating member of the interprofessional team.
5. Use knowledge sources effectively to provide evidence-based care.
6. Identify health disparities and advocate for basic essential health services for all.
7. Allocate health care resources to maximize the health care benefit to clients, families, and community.
8. Assume fiscal and ethical responsibility for clinical practice.
9. Function as a member of the nursing profession within the community and the world.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

Below is a sample four-year plan. There are many potential variations of this plan, especially in the pre-nursing years. The degree requires 124 credits minimum which could be more than 15 credits per semester depending on individual situations.

Freshman

Fall	Credits	Spring	Credits
Chemistry, Biology, and/or Math	3	Chemistry, Biology, and/or Math	5
PSYCH 202 (or SOC or Human Growth & Development course)	3-4	PSYCH 202 (or SOC or Human Growth & Development course)	3-4
General Education Requirements	3	General Education Requirements	3
Humanities, or Social Science, or Electives	6	Humanities, or Social Science, or Electives	6
NURSING/S&A PHM/SOC WORK 105 (if taken in a FIG)*	2	NURSING/S&A PHM/SOC WORK 105 (if not completed previously)*	2
	15		**17**

Sophomore

Fall	Credits	Spring	Credits
Human Anatomy	3	Human Physiology	5
General Education Requirements or Parallel Plan Courses	3	General Education Requirements or Parallel Plan Courses	3
PSYCH 202 (or SOC or Human Growth & Development course)	3-4	PSYCH 202 (or SOC or Human Growth & Development course)	3-4
Humanities, or Social Science, or Electives	8	Humanities, or Social Science, or Electives	6
NURSING/S&A PHM/SOC WORK 105 (if not completed previously)*	2	NURSING/S&A PHM/SOC WORK 105 ((if not completed previously)*)	2
	17		**17-18**

Junior

Fall	Credits	Spring	Credits
NURSING 313	3	NURSING/S&A PHM/SOC WORK 105 (if not completed previously)*	2
NURSING 315	2	NURSING 314	3
NURSING 316	4	NURSING 323	4
NURSING 317	3	NURSING 326	4
NURSING 318	3	NURSING 447	2
	15		**15**

Senior

Fall	Credits	Spring	Credits
NURSING 324	3	NURSING 430	2
NURSING 431	2	NURSING 432	2
NURSING 433	2	NURSING 443	5
NURSING 436	4	NURSING 445	1
NURSING 438	1	NURSING 446	4
		NURSING 448	2
	12		**16**

Total Credits 124-125

*It is recommended to complete NURSING/S&A PHM/SOC WORK 105 before starting the nursing program if possible.

ADVISING AND CAREERS

ADVISING AND CAREERS

The School of Nursing's advising team helps students identify academic pathways and educational goals to aid in developing meaningful plans to ensure academic and career success. We believe that advising is an ongoing, caring, and collaborative relationship between advisor and student that provides meaning, guidance, and support throughout the educational process.

ACADEMIC ADVISING

All students are assigned an academic advisor based on the nursing or pre-nursing program with which they are affiliated. Detailed information on the school's advising structure and staff is available on the School of Nursing's academic advising website. (https://students.nursing.wisc.edu/undergraduate-menu/undergraduate-advising/)

CAREER ADVISING

The School of Nursing offers extensive career advising services which provide resources and strategies for career readiness and licensure

planning. This includes workshops, career fairs, resume review, prospective employment resources, and licensure information. More information about career advising is available on the School of Nursing's career advising website (https://students.nursing.wisc.edu/career-advising/career/).

STUDENT SUPPORT

The School of Nursing offers academic support, leadership & connection, mentorship, and wellness throughout the student experience. Additionally, admitted nursing students have access to onsite UHS mental health services. Information about student support is available on the School of Nursing's student support website. (https://students.nursing.wisc.edu/career-advising/nursing-learning-center/)

CERTIFICATION/LICENSURE

CERTIFICATION/LICENSURE

Earning the bachelor of science in nursing degree is the first step toward becoming a Registered Nurse. Graduates must also take and and pass the National Council Licensure Exam (NCLEX-RN) to receive their nursing license and begin their careers as nurses in hospitals, community health and mental health agencies, industrial health centers, nursing homes, family planning centers, crisis care centers, and beyond. A nursing license gives an individual permission to practice nursing, granted by the state where he or she met the requirements.

The School of Nursing works with students as they complete graduation requirements and the two-step process to register for the NCLEX. Specifically the school verifies graduation and assists students as they register for the exam. Most students take the NCLEX within three months of graduation. More than 90 percent of School of Nursing graduates pass the NCLEX on first attempt.

NCLEX-RN PASS RATES

National Council of State Boards of Nursing NCLEX-RN (https://www.ncsbn.org/nclex.htm)

Year of Exam	UW-Madison Graduates: First Attempt	Nationa First Attemp
April-September 2024	96%	91%
April-September 2023	96%	81%
April-September 2022	85%	80%

Note: UW-Madison BSN Graduates pass rate reflects all UW-Madison Bachelor of Science-Nursing graduates who tested during the April-to-September test period for the first time, including recent and previous graduates.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure.

The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

Professional licensure requirements vary from state-to-state and can change year-to-year; they are established in a variety of state statutes, regulations, rules, and policies; and they center on a range of educational requirements, including degree type, specialized accreditation, total credits, specific courses, and examinations.

UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:

Alabama, Alaska, Arizona, Arkansas, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, North Carolina, North Dakota, Oklahoma, Ohio, Oregon, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, West Virginia, Wisconsin, Wyoming, District of Columbia, Guam, Northern Mariana Islands, U.S. Virgin Islands

The requirements of this program do not meet certification/licensure requirements in the following states:

California, New York

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES

Signe Skott Cooper Hall

The School of Nursing is located in Signe Skott Cooper Hall. The building features world-class technology and innovative educational spaces that will allow the nursing school to address health care's new standard of excellence—high-tech and high-touch methods and practices that result in better patient outcomes.

Office of Academic Affairs

The Office of Academic Affairs functions as the academic dean's office for the School of Nursing. Staff members interpret school regulations, policies, and program requirements; make exceptions around requirements and deadlines; advise prospective and current students; monitor and support students having academic difficulties; coordinate compliance; facilitate the admissions process; and maintain the official files of students in the school.

Academic and Career Advising

The School of Nursing provides dedicated, professional academic and career advising to undergraduate students in their pre-nursing and nursing years. Detailed information can be found on each individual degree

guide page and on the School of Nursing's Student Website (https://students.nursing.wisc.edu/).

Academic Support Services
Career & Student Success (https://students.nursing.wisc.edu/support-assistance/nursing-learning-center/) is available at the School of Nursing. Students can utilize support by Student Success course TAs and peer led study groups.

Student Support Services
Information about student support: academic and non-academic resources, policies, forms, clinicals, and compliance can be found on the School of Nursing's Student Website (https://students.nursing.wisc.edu/).

Student Organizations
The School of Nursing encourages and supports students to pursue their interests and form social networks. You can also find more opportunities by going to the Wisconsin Involvement Network (https://win.wisc.edu/organizations/) page.

Scholarships and Financial Aid
The School of Nursing offers a generous scholarship program to incoming and current School of Nursing students. All School of Nursing applicants and current students are highly encouraged to apply for scholarships.
Applications will be considered for all School of Nursing scholarships depending on a variety of factors, including: academic achievement, financial need, leadership experiences, community involvement, personal qualifications, and career interests.

Students are invited to apply to nursing-specific scholarships, as well as campus-wide or non-nursing scholarships, through the Wisconsin Scholarship Hub or WiSH (http://scholarships.wisc.edu/Scholarships/). For more information, see the School of Nursing website (https://students.nursing.wisc.edu/undergraduate-menu/scholarship-aid/).

In addition, university scholarships, loans, and employment are available through the Office of Student Financial Aid (https://financialaid.wisc.edu/) for additional information about financing your education.

ACCREDITATION

ACCREDITATION

Commission on Collegiate Nursing Education (http://www.aacnnursing.org/CCNE/)

Accreditation status: Next accreditation review: 2029–2030.

NURSING, BSN (ACCELERATED PROGRAM)

Students who already have a bachelor's degree or higher and are interested in making a career change to nursing can apply to enter this fast-track professional program to earn the Bachelor of Science in Nursing in 12 months. In the Accelerated Bachelor of Science in Nursing (ABSN) program, students complete approximately one credit per week including classroom-based, clinical, and out-of-class hours each week.

For tuition rates, see: https://bursar.wisc.edu/tuition-and-fees (https://bursar.wisc.edu/tuition-and-fees/)

HOW TO GET IN

HOW TO GET IN

SCHOOL OF NURSING ADMISSIONS REQUIREMENTS

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. The program requires two applications: one to UW–Madison (https://admissions.wisc.edu/apply-as-a-second-degree-student (https://admissions.wisc.edu/apply-as-a-second-degree-student/)/) and one to the School of Nursing for the Accelerated BSN program (https://nursing.wisc.edu/undergraduate/bsn-accelerated (https://nursing.wisc.edu/undergraduate/bsn-accelerated/)/).

Courses required to get in	Applicants are required to complete a course (or its equivalent) in each of the seven prerequisite areas. Requirements can be completed via coursework, test credit, transfer work, or placement exam (if applicable). Chemistry • CHEM 103 • CHEM 104 • CHEM 108 • CHEM 109 Microbiology • MICROBIO 101 • CHEM 343 • NUTR SCI 332 Human Anatomy • ANAT&PHY 337 Human Physiology • ANAT&PHY 335 Psychology • PSYCH 202 Sociology • Any SOC course that carries a social science attribute (https://guide.wisc.edu/courses/soc (https://guide.wisc.edu/courses/soc/)/) • ANTHRO 100 • ANTHRO 104 Human Growth and Development • ED PSYCH 320 • ED PSYCH 321 • ED PSYCH 331 • HDFS 262 • HDFS 263 • PSYCH 460 • PSYCH 464 The first four prerequisites (science courses) must be completed by the application deadline and within seven years of program start date. The Anatomy and Physiology prerequisite may be satisfied by one stand alone Anatomy course and one stand alone Physiology course or by two semesters of a combined Anatomy and Physiology I and II. The pairing of one combined Anatomy and Physiology course and a stand alone Anatomy or Physiology is not acceptable for this requirement. All prerequisites must be completed before the program start date. Prerequisite equivalency information is available on the BSN Prerequisite Course Equivalencies page (https://nursing.wisc.edu/undergraduate/course-equivalencies (https://nursing.wisc.edu/undergraduate/course-equivalencies/)/). Applicants must complete the following university-wide General Education Requirements (https://gened.wisc.edu/general-education-requirements (https://gened.wisc.edu/general-education-requirements/)/). At least two must be completed by the application deadline, and all must be completed before the program start date. • Communications Part A: Literacy Proficiency • Quantitative Reasoning Part A: QR Proficiency • Quantitative Reasoning Part B: Enhanced QR Proficiency • Ethnic Studies Note: Communications Part B is not required for Accelerated BSN applicants.
GPA requirements to get in	At the point of application submission (mid-September): • A minimum combined prerequisite GPA of 2.75 on all prerequisites completed at time of application. • A minimum cumulative GPA of 2.75 on all undergraduate college credits. Prior to program start (early May): • Have at least a C grade in each of the individual seven prerequisite courses. • A minimum combined prerequisite GPA of 2.75 on all seven prerequisites. • A minimum cumulative GPA of 2.75 on all prior undergraduate college credits.
Credits required to get in	• Bachelor's degree in a non-nursing field from an accredited institution, completed by the program start date.
Other	• Bachelor's degree in a non-nursing field from an accredited institution, completed by the program start date.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	This program does not accept applications to start in the fall	
To apply for a spring start	This program does not accept applications to start in the spring	

To apply for a summer start	Mid-September	On or before December 31

TRANSFER CREDIT EVALUATION

An unofficial transfer credit evaluation to check for completion of the nursing prerequisite courses and the university's General Education Requirements will be completed by the School of Nursing prior to the decision release date. Admission is contingent upon official verification by the UW–Madison Office of Admissions and Recruitment.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF NURSING REQUIREMENTS

The Accelerated Bachelor of Science in Nursing (ABSN) degree is a 53-credit curriculum comprised of didactic and experiential learning (i.e., clinical) nursing courses. The program builds on coursework students completed in their prior undergraduate and/or graduate degree(s) and the prerequisite coursework, including the university's General Education Requirements, completed in preparation for admission to the program.

MAJOR REQUIREMENTS

During the 12-months in the ABSN program, students complete 53-credits of required nursing coursework, including classroom-based active learning courses and experiential learning courses in the clinical environment. This nursing coursework will include Pathology and Pharmacology.

NURSING

Code	Title	Credits
NURSING 313	Foundations of Nursing Practice	3
NURSING 314	Health Promotion and Disease Prevention Across the Lifespan	3
NURSING 315	Professionalism in Nursing Practice	1
NURSING 316	Foundations of Nursing Practice: Experiential Learning	4
NURSING 317	Pharmacology Essentials for Nursing Practice	2
NURSING 318	Pathophysiology Essentials for Nursing Practice	3
NURSING 323	Health and Illness Concepts with Individuals and Families	4
NURSING 324	Meeting the Psychosocial Health Needs of Individuals, Families, and Communities	3
NURSING 326	Health and Illness Concepts with Individuals and Families: Experiential Learning	4
NURSING 430	Perinatal Nursing	2
NURSING 431	Nursing Care of Children & their Families	2
NURSING 432	Population Health Nursing	2
NURSING 433	Nursing Care of the Older Adult	2
NURSING 436	Health and Illness Concepts with Individuals, Families, and Communities: Experiential Learning	2
NURSING 438	Informatics and Health Technologies for Nursing Practice	1
NURSING 443	Advanced Concepts in Complex Nursing Practice	5
NURSING 445	Transformative Nursing Capstone	1
NURSING 446	Advanced Concepts in Complex Nursing Practice: Experiential Learning	5
NURSING 447	Scholarship for Evidence-Based Practice	2
NURSING 448	Leadership in the Profession of Nursing	2
Total Credits		**53**

RESIDENCE AND QUALITY OF WORK

- A cumulative GPA of 2.5 is required for graduation.
- Students must earn a C or better in all nursing coursework.
- 30 credits of coursework must be completed in-residence

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Promote health and manage illness by providing safe, client-centered, culturally congruent care across the lifespan in a variety of health care settings.
2. Employ professional nursing leadership concepts to address patient care and system needs to promote quality health care outcomes and health equity for all.
3. Make effective use of technology for patient care, education, and management of health information.
4. Understand the roles and scope of practice of disciplines of the health care team and practice as an effective, collaborating member of the interprofessional team.
5. Use knowledge sources effectively to provide evidence-based care.
6. Identify health disparities and advocate for basic essential health services for all.
7. Allocate health care resources to maximize the health care benefit to clients, families, and community.
8. Assume fiscal and ethical responsibility for clinical practice.
9. Function as a member of the nursing profession within the community and the world.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

The ABSN program is for second-degree candidates and is a 53-credit program completed over 12 months, not four years.

Semester 1	**Credits**
Summer Term	
NURSING 313	3
NURSING 314	3
NURSING 316	4
NURSING 317	2
NURSING 318	3
	15
Semester 2	**Credits**
Fall Term	
NURSING 323	4
NURSING 324	3
NURSING 326	4
NURSING 431	2
NURSING 433	2
NURSING 438	1
NURSING 447	2
	18
Semester 3	**Credits**
Winter Term	
NURSING 315	1
NURSING 436	2
Spring Term	
NURSING 430	2
NURSING 432	2
NURSING 443	5
NURSING 445	1
NURSING 446	5
NURSING 448	2
	20

Total Credits 53

ADVISING AND CAREERS

ADVISING AND CAREERS

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STUDENT SUPPORT

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NCLEX-RN PASS RATES

National Council of State Boards of Nursing NCLEX-RN (https://www.ncsbn.org/nclex.htm)

Year of Exam	UW-Madison Graduates: First Attempt	Nationa First Attemp
April-September 2024	100%	100%
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Note: UW-Madison BSN Graduates pass rate reflects all UW-Madison Bachelor of Science-Nursing graduates who tested during the April-to-September test period for the first time, including recent and previous graduates.

PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education (via 34 CFR Part 668 (https://www.ecfr.gov/current/title-34/subtitle-B/chapter-VI/part-668/?toc=1)) requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure. The expectation is that institutions will determine whether each applicable academic program meets state professional licensure requirements and provide a general disclosure of such on an official university website.

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UW-Madison has taken reasonable efforts to determine whether this program satisfies the educational requirements for certification/licensure in states where prospective and enrolled students are located and is disclosing that information as follows.

Disclaimer: This information is based on the most recent annual review of state agency certification/licensure data and is subject to change. All students are strongly encouraged to consult with the individual/office listed in the Contact Information box on this page and with the applicable state agency for specific information.

The requirements of this program meet certification/licensure requirements in the following states:

Alabama, Alaska, Arizona, Arkansas, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, West Virginia, Wisconsin, Wyoming, District of Columbia, Guam, Northern Mariana Islands, U.S. Virgin Islands

The requirements of this program do not meet certification/licensure requirements in the following states:

California, New York

Updated: 1 June 2025

RESOURCES AND SCHOLARSHIPS

RESOURCES

Signe Skott Cooper Hall

The School of Nursing is located in Signe Skott Cooper Hall. The building features world-class technology and innovative educational spaces that will allow the nursing school to address health care's new standard of excellence—high-tech and high-touch methods and practices that result in better patient outcomes.

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The School of Nursing offers a generous scholarship program to incoming and current School of Nursing students. All School of Nursing applicants and current students are highly encouraged to apply for scholarships. Applications will be considered for all School of Nursing scholarships depending on a variety of factors, including: academic achievement, financial need, leadership experiences, community involvement, personal qualifications, and career interests.

Students are invited to apply to nursing-specific scholarships, as well as campus-wide or non-nursing scholarships, through the Wisconsin Scholarship Hub or WiSH (http://scholarships.wisc.edu/Scholarships/). For more information, see the School of Nursing website (https://students.nursing.wisc.edu/undergraduate-menu/scholarship-aid/).

In addition, university scholarships, loans, and employment are available through the Office of Student Financial Aid (https://financialaid.wisc.edu/) for additional information about financing your education.

ACCREDITATION

ACCREDITATION

Commission on Collegiate Nursing Education (http://www.aacnnursing.org/CCNE/)

Accreditation status: Accredited. Next accreditation review: 2029–2030.

NURSING, BSN (COLLABORATIVE PROGRAM)

The RN to BSN program, called the BSN@Home (http://bsnathome.com/) program, is for Registered Nurses who already have an associate's degree or diploma in nursing and wish to earn the bachelor of science in nursing degree.

The curriculum is designed for working adults. Almost all required coursework is completed online. Students can complete the program in as little as a year and a half.

The BSN@Home program is cooperatively administered by six campuses in the University of Wisconsin System: UW–Madison, UW–Eau Claire, UW–Green Bay, UW–Milwaukee, UW–Oshkosh and UW–Stevens Point.

Students typically select their home institution based on proximity. All BSN@Home students are required to complete the same core nursing curriculum, but specific admission and degree requirements vary among campuses.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. Complete the UW System Application for admission (https://apply.wisconsin.edu/) by following detailed instructions listed on the website: https://nursing.wisc.edu/undergraduate/bsn-online (https://nursing.wisc.edu/undergraduate/bsn-online/)/.
Courses required to get in	• Associate's Degree in Nursing (ADN), equivalent degree, or Diploma in Nursing from an accredited nursing program • 2 years of a high school world language, or 2 semesters of a college world language, or 1 of each in same language • 3 years of high school math including Algebra, Geometry & College Prep math (or similar courses at the college level)
GPA requirements to get in	• GPA of 2.5 from all college-level coursework
Credits required to get in	• At least 24 transferable (college-level) non-nursing credits in addition to the nursing classes completed in a Associate's Degree in Nursing (ADN), equivalent degree, or Diploma in Nursing from an accredited nursing program
Other	• Reside in one of the 50 states and have a RN license in that state by program start date • A high school transcript showing proof of graduation or GED/HSED certification

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	March 1	On or before April 30
To apply for a spring start	October 1	On or before December 31
To apply for a summer start	This program does not accept applications to start in the summer	

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core

of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

NURSING COLLABORATIVE (BSN@HOME) MAJOR REQUIREMENTS

Students may transfer up to 90 credits of coursework (from a two-year or a four-year institution). A total of 120 credits are required for the Nursing, BSN (Collaborative).

SCIENCE

Code	Title	Credits
Chemistry		
Complete one of the following:		3
CHEM 103	General Chemistry I	
CHEM 104	General Chemistry II	
CHEM 108	Chemistry in Our World	
CHEM 109	Advanced General Chemistry	
Microbiology		
Complete one of the following:		3
MICROBIO 101	General Microbiology	
CHEM 343	Organic Chemistry I	
NUTR SCI 332	Human Nutritional Needs	
Anatomy Physiology		
ANAT&PHY 335	Physiology	5
ANAT&PHY 337	Human Anatomy	3
Total Credits		**14**

HUMANITIES AND SOCIAL SCIENCE

Code	Title	Credits
Psychology		
PSYCH 202	Introduction to Psychology	3-4
Sociology		
Complete one of the following:		3
Any Sociology course that carries a Social Science attribute (https://guide.wisc.edu/courses/soc/)		
ANTHRO 100	General Anthropology	
ANTHRO 104	Cultural Anthropology and Human Diversity	
Human Growth and Development		
Complete one of the following:		3
ED PSYCH 320	Human Development in Infancy and Childhood	
ED PSYCH 321	Human Development in Adolescence	
ED PSYCH 331	Human Development From Childhood Through Adolescence	
HDFS 262	Development of the Young Child	
HDFS 263	Development from Adolescence to Old Age	
PSYCH 460	Child Development	
PSYCH 464	Adult Development and Aging	
Humanities		
Complete six credits of Humanities		6
Humanities or Social Science		
Complete seven credits of Humanities or Social Science		7
Total Credits		**22**

NURSING COURSES

These must be completed at UW-Madison.

Code	Title	Credits
CNP 306	Transitions: Practice, Professional and Personal	3
CNP 407	Foundations of Professional Nursing Practice	3
CNP 441	Chronic Care Management	3
CNP 446	Nursing Research and Evidence-Based Practice	3
CNP 447	Leadership and Management	3
CNP 453	Information Management and Healthcare Technology	3
CNP 454	Community Health Nursing	3
CNP 519	Capstone Practicum for Registered Nurses	3
Total Credits		**24**

NURSING TRANSFER CREDITS

Students pursuing a Nursing BSN may transfer in credits from another institution to fulfill some of the requirements of the degree. These transfer credits are awarded in recognition of an Associate's Degree in Nursing (ADN) or nursing diploma. Students who earned an ADN from a Wisconsin Technical College (1996 or after) receive 30 transfer credits[1]. All other students receive 24 credits.[2]

1 Transcripted as NURSINGX02 and NURSINGX28.
2 Transcripted as NURSINGX02 and NURSINGX22.

ELECTIVES

Complete additional coursework to reach 120 credits.

RESIDENCE AND QUALITY OF WORK

- A cumulative GPA of 2.5 is required for graduation.
- Students must earn a C or better in all nursing coursework.
- 30 credits of coursework must be completed in-residence.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Promote health and manage illness by providing safe, client-centered, culturally congruent care across the lifespan in a variety of health care settings.
2. Employ professional nursing leadership concepts to address patient care and system needs to promote quality health care outcomes and health equity for all.
3. Make effective use of technology for patient care, education, and management of health information.
4. Understand the roles and scope of practice of disciplines of the health care team and practice as an effective, collaborating member of the interprofessional team.
5. Use knowledge sources effectively to provide evidence-based care.
6. Identify health disparities and advocate for basic essential health services for all.
7. Allocate health care resources to maximize the health care benefit to clients, families, and community.
8. Assume fiscal and ethical responsibility for clinical practice.
9. Function as a member of the nursing profession within the community and the world.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

The Nursing Collaborative program requires a 120 credits. The plan below only outlines nursing specific coursework that must be completed while enrolled in the collaborative program and does not include the additional 96 credits required to graduate.

Semester 1	Credits
CNP 306	3
CNP 407	3
	6
Semester 2	**Credits**
CNP 441	3
CNP 446	3
	6
Semester 3	**Credits**
CNP 447	3
	3
Semester 4	**Credits**
CNP 453	3
CNP 454	3
	6
Semester 5	**Credits**
CNP 519	3
	3
Total Credits 24	

ADVISING AND CAREERS

ADVISING AND CAREERS

The School of Nursing's advising team helps students identify academic pathways and educational goals to aid in developing meaningful plans to ensure academic and career success. We believe that advising is an ongoing, caring, and collaborative relationship between advisor and student that provides meaning, guidance, and support throughout the educational process.

ACADEMIC ADVISING

All students are assigned an academic advisor based on the nursing or pre-nursing program with which they are affiliated. Detailed information on the school's advising structure and staff is available on the School of Nursing's academic advising website. (https://students.nursing.wisc.edu/undergraduate-menu/undergraduate-advising/)

CAREER ADVISING

The School of Nursing offers extensive career advising services which provide resources and strategies for career readiness and licensure planning. This includes workshops, career fairs, resume review, prospective employment resources, and licensure information. More information about career advising is available on the School of Nursing's career advising website (https://students.nursing.wisc.edu/career-advising/career/).

STUDENT SUPPORT

The School of Nursing offers academic support, leadership & connection, mentorship, and wellness throughout the student experience. Additionally, admitted nursing students have access to onsite UHS mental health services. Information about student support is available on the School of Nursing's student support website. (https://students.nursing.wisc.edu/career-advising/nursing-learning-center/)

RESOURCES AND SCHOLARSHIPS

RESOURCES

Signe Skott Cooper Hall

The School of Nursing is located in Signe Skott Cooper Hall. The building features world-class technology and innovative educational spaces that will allow the nursing school to address health care's new standard of excellence—high-tech and high-touch methods and practices that result in better patient outcomes.

Office of Academic Affairs

The Office of Academic Affairs functions as the academic dean's office for the School of Nursing. Staff members interpret school regulations, policies, and program requirements; make exceptions around requirements and deadlines; advise prospective and current students; monitor and support students having academic difficulties; coordinate compliance; facilitate the admissions process; and maintain the official files of students in the school.

Academic and Career Advising

The School of Nursing provides dedicated, professional academic and career advising to undergraduate students in their pre-nursing and nursing years. Detailed information can be found on each individual degree guide page and on the School of Nursing's Student Website (https://students.nursing.wisc.edu/).

Academic Support Services

Career & Student Success (https://students.nursing.wisc.edu/support-assistance/nursing-learning-center/) is available at the School of Nursing. Students can utilize support by Student Success course TAs and peer led study groups.

Student Support Services

Information about student support: academic and non-academic resources, policies, forms, clinicals, and compliance can be found on the School of Nursing's Student Website (https://students.nursing.wisc.edu/).

Student Organizations

The School of Nursing encourages and supports students to pursue their interests and form social networks. You can also find more opportunities by going to the Wisconsin Involvement Network (https://win.wisc.edu/organizations/) page.

Scholarships and Financial Aid

The School of Nursing offers a generous scholarship program to incoming and current School of Nursing students. All School of Nursing applicants and current students are highly encouraged to apply for scholarships.

Applications will be considered for all School of Nursing scholarships depending on a variety of factors, including: academic achievement, financial need, leadership experiences, community involvement, personal qualifications, and career interests.

Students are invited to apply to nursing-specific scholarships, as well as campus-wide or non-nursing scholarships, through the Wisconsin Scholarship Hub or WiSH (http://scholarships.wisc.edu/Scholarships/). For more information, see the School of Nursing website (https://students.nursing.wisc.edu/undergraduate-menu/scholarship-aid/).

In addition, university scholarships, loans, and employment are available through the Office of Student Financial Aid (https://financialaid.wisc.edu/) for additional information about financing your education.

ACCREDITATION

ACCREDITATION

Commission on Collegiate Nursing Education (https://www.aacnnursing.org/ccne-accreditation/)

Accreditation status: Next accreditation review: 2029–2030.

SCHOOL OF NURSING HONORS

HOW TO GET IN

HOW TO GET IN

All Traditional BSN students may apply to the Nursing Honors Program. The application process occurs during the first fall of enrollment in the nursing program. Admission to the Nursing Honors Program is based on academic performance and one essay.

REQUIREMENTS

REQUIREMENTS

Each student in the Nursing Honors Program has an active role in identifying a faculty mentor. Once a student is assigned a faculty mentor, the mentor will help the student understand the research process and provide research-related resources. The mentor will also assist with identification and implementation of a senior honors thesis.

Honors students enroll in NURSING 679 Nursing Honors Research Seminar during the spring term of the first year of enrollment in the nursing program. They complete 1-2 credits of the NURSING 681 Senior Honors Thesis/NURSING 682 Senior Honors Thesis course during both the fall and spring of the second year. Honors students also take the required NURSING 442 Health Systems, Policy, and Economics during the spring of the second year.

SCHOOL OF PHARMACY

If you are interested in becoming a pharmacist, a PharmD (Doctor of Pharmacy) degree is needed. PharmD degrees do not require a bachelor's degree first, but you do need to complete a set of college prerequisite courses and a specific number of college credits to apply to the PharmD degree program.

- For more information on the PharmD degree and program, visit the PharmD section of the Guide (https://guide.wisc.edu/pharmacy/pharmacy-school-wide/pharmacy-dph/).

- If you are a current or prospective UW–Madison undergraduate student, and interested in entering the PharmD program in the future, visit our pre-pharmacy at (https://students.pharmacy.wisc.edu/student-services/sop-advising/pre-pharmacy-uwmadison/)UW (https://students.pharmacy.wisc.edu/student-services/sop-advising/pre-pharmacy-uwmadison/)– (https://students.pharmacy.wisc.edu/student-services/sop-advising/pre-pharmacy-uwmadison/)Madison (https://students.pharmacy.wisc.edu/student-services/sop-advising/pre-pharmacy-uwmadison/) website (https://students.pharmacy.wisc.edu/student-services/sop-advising/pre-pharmacy-uwmadison/) for more information on resources and pre-pharmacy advising available to you.
- If you are a high school student or a first-semester college freshman interested in becoming a pharmacist, learn about our PharmD Early Assurance (https://pharmacy.wisc.edu/academics/pharmd/early-assurance/) program and how you can get conditional admission to UW–Madison's PharmD program.
- For prerequisite and admissions information for all other students, visit the PharmD admissions website (https://pharmacy.wisc.edu/academics/pharmd/admissions/).

If you are interested in a pharmacy or biomedical sciences-related career that does not require a pharmacist license, consider checking out our BS in Pharmacology and Toxicology program below.

BS IN PHARMACOLOGY AND TOXICOLOGY

The BS in Pharmacology and Toxicology (PharmTox) focuses on the biomedical sciences. **Pharmacology** is concerned with the properties, effects, and mechanisms of action of drugs, and with the interactions between chemical agents and biological systems. **Toxicology**, the science of poisons, combines the elements of biology and chemistry with those of many other disciplines to help us understand the harmful effects of chemicals on living organisms.

A major challenge for the **pharmacologist** is to determine how drugs act. This can be carried out at the subcellular and molecular level, the cellular level, the tissue level, the organ level, or the whole-animal level. Pharmacologists also are concerned with the development of new drugs that produce fewer side effects while curing disease, and provide more effective and/or more rapid treatment of disease in humans or animals.

Toxicologists find scientifically sound answers to questions about chemicals that may potentially threaten our health, about pesticides in the food we eat, pollutants in the air we breathe, chemicals in the water we drink, and toxic waste sites near our homes. Some toxicologists are concerned with determining the cellular mechanisms by which drugs and chemicals produce toxic effects. Many are involved in subspecialty areas in toxicology research, such as reproductive and developmental toxicology, neurotoxicology, immunotoxicology, and inhalation toxicology. Researchers in these areas utilize both laboratory animals and in vitro systems to examine the cellular, biochemical, and molecular processes underlying toxic responses.

BS IN PHARMACEUTICAL SCIENCES

The BS in Pharmaceutical Sciences **is not a major** but is an internal degree granted to current Doctor of Pharmacy (PharmD) students after they complete at least one year of the PharmD program. In order to qualify for the BS in Pharmaceutical Sciences, students must have attended UW–Madison as an undergraduate prior to entering the School of Pharmacy and must meet all degree requirements.

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Pharmaceutical Sciences, BS (p. 1793)
- Pharmacology and Toxicology, BS (p. 1795)

ENTERING THE SCHOOL

ENTERING THE SCHOOL

Admission to either the BS in Pharmacology and Toxicology or the Doctor of Pharmacy program is selective and competitive, and requires specific prerequisite coursework as well as a complete admissions application. Completion of required prerequisite coursework does not guarantee admission. Each applicant's admission credentials are considered not only on their own merit, but also in comparison with the credentials of other applicants.

For detailed information on prerequisites and the application for the BS in Pharmacology and Toxicology (PharmTox), see the major's "How to Get In" tab in the (http://guide.wisc.edu/undergraduate/pharmacy/pharmacy/pharmacology-toxicology-bs/#howtogetintext)*Guide*.

Information about the required elements of the application and prerequisites for the PharmD (Doctor of Pharmacy) program can be found on the School of Pharmacy website (https://pharmacy.wisc.edu/programs/pharmd/admissions/).

Most pre-pharmacy students are admitted to UW–Madison as College of Letters & Science students with an intention to pursue a School of Pharmacy program (PharmTox undergraduate degree **and/or** the professional PharmD program). While our School of Pharmacy does not directly admit students from high school, we do offer comprehensive academic, admissions, and career advising to students who have expressed an interest in either of these programs. The School of Pharmacy also offers an Early Assurance program for high school seniors and first-semester freshmen admitted to a Universities of Wisconsin campus. The Early Assurance program provides conditional admission to UW–Madison's PharmD program. The Early Assurance application is offered through the School of Pharmacy and is separate from the undergraduate application process. Please refer to the Resources (https://guide.wisc.edu/undergraduate/pharmacy/#resourcestext) section to start exploring available resources and opportunities available for pre-School of Pharmacy students at UW–Madison.

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

For a list of Pharmacology and Toxicology (PharmTox) undergraduate policies, including academic standing and probation policies, please visit the PharmTox Policy Handbook (https://students.pharmacy.wisc.edu/pharm-tox-handbook/).

RESOURCES

RESOURCES

ACADEMIC ADVISING

If you're a current UW–Madison undergraduate student, you have access to dedicated, structured pre-pharmacy advising at the School of Pharmacy. Please choose the School of Pharmacy as your advising group option when you make your SOAR reservation in April. We're here to help you with:

- Career paths related to pharmacy, pharmacology, and toxicology
- Understanding prerequisites and developing a plan for completion
- Accessing courses and guidance on how to sequence classes
- PharmD and PharmTox curriculum and degree options
- Admissions selection criteria
- Application process and components

Who is a pre-pharmacy student? A pre-pharmacy student is anyone who is taking the courses necessary to be considered for admission to the Doctor of Pharmacy (PharmD) professional program and/or the BS in Pharmacology and Toxicology (PharmTox) at the UW–Madison School of Pharmacy. Completion of prerequisite coursework does not guarantee admission as admission is selective and competitive.

How do I get started with pre-pharmacy advising? Schedule your pre-pharmacy advising appointment using the Starfish app (https://wisc.starfishsolutions.com/starfish-ops/) in MyUW. Search for "Kendra Gurnee" to meet with the pre-PharmTox advisor or "Amy Zwaska" to meet with the pre-PharmD advisor. Any UW–Madison student with any major or no major can access our dedicated pre-pharmacy advising services at the School of Pharmacy. Individual appointments are typically scheduled for 30 minutes.

If you experience any trouble with the scheduling process:

- You can get help with Starfish here (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).
- You can also contact the School of Pharmacy Student and Academic Affairs Office at 608-262-6234 to set up your advising appointment.

Due to the selective nature of the PharmD and PharmTox admissions processes, interested students are encouraged to meet with School of Pharmacy advisors early and often to explore our programs and get valuable guidance about prerequisites, selection criteria, application timeline/procedures, and career opportunities. We recommend that you meet with your pre-pharmacy advisor at least once per semester.

For more information on preparing for and applying to our programs, visit our admissions resources for PharmD (https://pharmacy.wisc.edu/academics/pharmd/admissions/) and PharmTox (https://pharmacy.wisc.edu/academics/pharm-tox/admissions/).

EARLY ASSURANCE

Early Assurance (https://pharmacy.wisc.edu/academics/pharmd/early-assurance/) offers high school and first-semester college freshmen conditional admission to the UW–Madison PharmD program. Eligible students must be admitted to a Universities of Wisconsin campus and complete the Early Assurance application which is separate from the undergraduate application process.

FINANCIAL AID

Students who seek financial assistance should contact the UW–Madison Office of Student Financial Aid (https://financialaid.wisc.edu/) for financial aid applications and information about scholarships, loans, grants, work-study programs, and student employment.

SCHOOL OF PHARMACY SCHOLARSHIPS

The School of Pharmacy awards a variety of scholarships each year to admitted PharmTox and PharmD students. Awards are based on both academic merit and financial need. Students are invited to apply to School of Pharmacy-specific scholarships, as well as campus-wide or non-Pharmacy scholarships, through the Wisconsin Scholarship Hub (https://wisc.academicworks.com/).

STUDENT ORGANIZATIONS

Students will find many organizations of interest, both in the School and across the UW–Madison campus. The School of Pharmacy student organizations website (https://students.pharmacy.wisc.edu/student-life/student-organizations/) has a comprehensive listing of student organizations and groups that are affiliated with the School.

FACILITIES

The School of Pharmacy is located in Rennebohm Hall on the west side of campus, near University Hospital and Clinics and Health Sciences Learning Center. The School of Pharmacy provides students and faculty with the finest possible physical environment for professional pharmacy and for research in pharmaceutical fields of study.

SCHOOL OF PHARMACY

DEGREES/MAJORS/CERTIFICATES

DEGREES/MAJORS/CERTIFICATES

- Pharmaceutical Sciences, BS (p. 1793)
- Pharmacology and Toxicology, BS (p. 1795)

PHARMACEUTICAL SCIENCES, BS

The BS in Pharmaceutical Sciences **is not a major**, but is a milestone degree granted to current Doctor of Pharmacy (PharmD) students while working toward the PharmD degree. In order to qualify for the BS in Pharmaceutical Sciences, students must have attended UW–Madison prior to entering the School of Pharmacy, and must meet all degree requirements. More detailed information about this degree may be found on the school website (https://students.pharmacy.wisc.edu/student-services/sop-advising/pre-pharmacy-uwmadison/).

Information about our Doctor of Pharmacy program (PharmD) can be found at https://pharmacy.wisc.edu/programs/pharmd/. The PharmD is required to be eligible to take the North American Pharmacist Licensure Examination (NAPLEX) and be registered and licensed as a pharmacist.

Students interested in pursuing an **undergraduate** degree offered by the School of Pharmacy may want to investigate the BS Pharmacology

and Toxicology (p. 1795) program. This interdisciplinary major in the biomedical sciences can serve as a foundation for further education in graduate or professional degree programs, or for entry-level scientific employment.

HOW TO GET IN

HOW TO GET IN

The BS in Pharmaceutical Sciences is a non-admitting milestone degree. Students earn this credential once degree requirements have been met while working toward their Doctor of Pharmacy (PharmD) degree. For more information on how to apply, see the Doctor of Pharmacy Program's Admissions (https://pharmacy.wisc.edu/academics/pharmd/admissions/).

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

MAJOR REQUIREMENTS

The bachelor's degree will be awarded once all Pharmaceutical Sciences major requirements are met, as well as the university general education requirements and other coursework totaling at least 120 credits.

Code	Title	Credits
PHM SCI 420	Physicochemical Principles of Drug Formulation and Delivery	3
PHM SCI 432	Biochemical Principles of Drug Treatment	3
PHARMACY 423	Pharmacy Integrated Learning Laboratory	1
PHM PRAC 438	Nonprescription Medications and Self-Care	2
PHM PRAC 461	Pathways in Pharmacy Practice	1
PHM PRAC 650	Comprehensive Immunization Delivery	1
S&A PHM 411	Pharmacy in the Health Care System	3
PHM SCI 531	Medicinal Chemistry I	3
PHM SCI 541	Pharmaceutical Calculations, Dispensing and Compounding	3
PHARMACY 434	Pharmaceutical Genetics and Immunology	2
PHARMACY 621	Pharmacokinetics	3
PHM PRAC 426	Pharmacy Practice Experience I	1
S&A PHM 414	Social and Behavioral Aspects of Pharmacy Practice	3
PHARMACY 462		1
PHARMACY 435		2
Total Credits		**32**

ADDITIONAL NOTES

- World language coursework can count towards the "Humanities/Literature/Arts" gen ed requirement.
- AP, IB, retro-credits, and credit-granting transfer coursework from other institutions (including coursework completed while in high school) all count toward the elective credit requirement.
- Students must also complete coursework appropriate for admissions to the PharmD program.
- Students earning the BS Pharmaceutical Sciences degree will NOT be able to earn additional majors or undergraduate certificates.

QUALITY OF WORK

- Students must have a minimum 2.000 cumulative grade point average.
- School of Pharmacy academic policies (regarding matters such as academic and professional conduct, academic progress/probation, honor roll, pass/fail registration, and independent study coursework) are found in the PharmD student policy handbook (https://students.pharmacy.wisc.edu/pharmd-handbook/).

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Drug properties: Apply knowledge of the physical, chemical, and pharmacologic, and formulation properties of drugs and influence on drug parameters (such as pharmacology, pharmacodynamics, stability, drug/dose delivery design). Differentiate among the therapeutic classes based on mechanisms of action, clinical use, adverse effects, contraindications, interactions, and dosage forms and regimens.
2. Patient-centered care: Use the pharmacist patient care process (PPCP) to employ personalized medicine and social, behavioral and other evidence-based principles to design and deliver individualized patient-care plans that optimize safety, efficacy, and medication used to improve therapeutic outcomes.
3. Drug kinetics: Design or modify treatment regimens including dose, schedule, and duration using patient-specific or population pharmacokinetic data, plasma concentration-time profile of drugs, and factors that alter them.
4. Pharmaceutical calculations and product processing: Ensure accurate and safe sterile and non-sterile compounding, calculation, labeling, and dispensing of medications.
5. Health equity and inclusion: Identify root causes of health disparities and incorporate principles of cultural and structural humility to promote access, inclusion, and equitable health outcomes.

PHARMACOLOGY AND TOXICOLOGY, BS

Pharmacology and Toxicology (PharmTox) is an undergraduate major offered by the School of Pharmacy, leading to a Bachelor of Science in Pharmacology and Toxicology. This major covers two related biomedical sciences:

- **Pharmacology:** The study of drug actions, including their sites, properties, effects, and mechanisms.
- **Toxicology:** The study of harmful effects of chemicals on humans and animals, including exposure assessment, hazard identification, dose response, and risk characterization.

Both fields integrate various scientific disciplines and use advanced biotechnological methods to understand drug and toxicant actions at the molecular level. The curriculum is multidisciplinary, spanning several biomedical sciences. This major can prepare students for a variety of future careers and paths, including graduate school in the biomedical sciences, health professions like medical or dental school, or to work in the biotech or pharmaceutical industry.

The PharmTox major is a limited enrollment, selective admission major. An application is required along with prerequisite courses - for details, see How to Get In (p. 1795). Pre-PharmTox students are usually enrolled in the College of Letters & Science or the College of Agricultural and Life Sciences during their first two years. Students should stay in contact with the PharmTox advisor to keep up with admission requirements and program updates. Once admitted, the core curriculum takes two years to complete (typically junior and senior years).

For those interested in becoming pharmacists, information about the Doctor of Pharmacy (PharmD) program is available here: https://pharmacy.wisc.edu/programs/pharmd/. The PharmD is required to take the North American Pharmacist Licensure Examination (NAPLEX) and become a registered and licensed pharmacist.

HOW TO GET IN

HOW TO GET IN

Requirements	Details
How to get in	Application required. Meeting the requirements listed below does not guarantee admission. (https://pharmacy.wisc.edu/academics/pharm-tox/admissions (https://pharmacy.wisc.edu/academics/pharm-tox/admissions/)/)

Courses required to get in	Students must complete the following by the end of the summer semester prior to entering the program. Calculus I (one of) • MATH 221 • MATH 171 and MATH 217 General Chemistry (one of) • CHEM 103 and CHEM 104 • CHEM 109 • CHEM 115 Organic Chemistry • CHEM 343 • CHEM 345 • CHEM 344 Introductory Biology (one of) • BIOLOGY/BOTANY/ZOOLOGY 151 and BIOLOGY/BOTANY/ZOOLOGY 152 • BIOLOGY/ZOOLOGY 101, BIOLOGY/ZOOLOGY 102, and BIOLOGY/BOTANY 130 • BIOCORE 381, BIOCORE 382, BIOCORE 383, and BIOCORE 384 Communication A Social Science • Any Social Sciences (S) or Humanities or Social Sciences (Z) (3 credits)
GPA requirements to get in	None.
Credits required to get in	60 credits must be completed by the end of the summer semester prior to entering the program. AP, IB, retrocredits, and credit-granting transfer coursework from other institutions (including coursework completed while in high school) count.
Other	None.

Semester	Deadline to apply	Decision notification timeline
To apply for a fall start	Early February	End of March
To apply for a spring start	This program does not accept applications to start in the spring.	
To apply for a summer start	This program does not accept applications to start in the summer.	

PROSPECTIVE TRANSFER APPLICANTS

Transfer students apply separately for admission to both the University of Wisconsin-Madison and the Pharmacology and Toxicology program during the spring term for fall enrollment. Information for prospective transfer students can be found on the School of Pharmacy Information for Transfer Students (https://pharmacy.wisc.edu/academics/pharm-tox/admissions/transfers/) page.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (p. 33) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

OVERVIEW OF REQUIREMENTS

The Pharmacology and Toxicology BS degree requires the following groups of coursework:

- University general education requirements (above - those that are also prerequisite requirements will be completed before entering the program; remaining gen ed requirements can be completed at any time prior to graduation)
- Prerequisite requirements (completed prior to admittance/entrance to the program)
- Pharmacology and Toxicology major requirements (mostly completed after entering the program, though some courses can be completed earlier)

The PharmTox degree does not require any additional breadth courses beyond the university general education requirements. World language

coursework can count towards the "Humanities/Literature/Arts" gen ed requirement.

School of Pharmacy academic policies (regarding matters such as academic and professional conduct, academic progress/probation, honor roll, pass/fail registration, and independent study coursework) are found in the PharmTox student policy handbook (https://students.pharmacy.wisc.edu/pharm-tox-handbook/).

PREREQUISITES

CALCULUS I

Code	Title	Credits
Select one of the following options: [1]		
MATH 221	Calculus and Analytic Geometry 1	5
MATH 171 & MATH 217	Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II	10

[1] MATH 211 Survey of Calculus 1 taken at UW-Madison does not fulfill the Calculus I requirement for this major.

GENERAL AND ORGANIC CHEMISTRY

Code	Title	Credits
Complete one of the following general chemistry options:		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
CHEM 115	Chemical Principles I	5
Complete all of the following organic chemistry courses:		
CHEM 343	Organic Chemistry I	3
CHEM 345	Organic Chemistry II	3
CHEM 344	Introductory Organic Chemistry Laboratory	2

INTRODUCTORY BIOLOGY

Code	Title	Credits
Complete one of the following options:		
BIOLOGY/BOTANY/ ZOOLOGY 151 & BIOLOGY/ BOTANY/ ZOOLOGY 152	Introductory Biology and Introductory Biology	10
BIOLOGY/ ZOOLOGY 101 & BIOLOGY/ ZOOLOGY 102 & BOTANY/ BIOLOGY 130	Animal Biology and Animal Biology Laboratory and General Botany	10
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	10

COMMUNICATION

The UW–Madison communication A requirement must be fulfilled.

SOCIAL SCIENCE

Any course that qualifies as social science (S or Z) credit, 3 credits required.

OTHER COLLEGE COURSES

Sixty (60) credits must be completed by the end of the summer semester prior to entering the program. AP, IB, retrocredits, and credit-granting transfer coursework from other institutions (including coursework completed while in high school) all count toward the 60 credits.

PHARMACOLOGY AND TOXICOLOGY MAJOR REQUIREMENTS

Students must take most of their major-level coursework in very specific semesters in order to graduate within four semesters of starting the program, due to prerequisites and fall or spring-only courses - see four year plans (p. 1799) for course sequences. It may be possible to take some major-level courses earlier if prerequisites are met; consult the advisor. The five credits of elective coursework, statistics, genetics, and physics requirements can be completed at any time, including prior to admission to the program. The directed/independent study requirement must be performed after matriculation into the program (i.e. the first fall semester officially declared in the major or any semester thereafter).

DIRECTED/INDEPENDENT STUDY (699), 2 CREDITS

Must be completed after matriculation into the major (i.e. the first fall semester officially declared in the major or any semester thereafter) and have prior approval to meet PharmTox major requirements. Students should not wait until the final semester to try to fulfill this requirement, as it can be difficult to find a research opportunity close to graduation. The research-based directed/independent study (typically a course numbered 699) must be in a biological, chemical, or biomedical sciences department, and can include laboratory-based research, library or literature-based research, or clinical research. Experiences such as peer mentoring or teaching assistance, even if a 699 course is used for credit, cannot fulfill this requirement.

PHYSICS I AND II

Code	Title	Credits
Complete one of the following sequences: (consult with advisor on recommended sequences):		
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	8
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	10
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	10

STATISTICS

Code	Title	Credits
Complete one of the following:		
STAT 240	Data Science Modeling I	4

STAT 301	Introduction to Statistical Methods	3
STAT 371	Introductory Applied Statistics for the Life Sciences (recommended)	3
STAT 324	Introduction to Statistics for Science and Engineering	3
STAT/B M I 541	Introduction to Biostatistics	3

BIOCHEMISTRY

Code	Title	Credits
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	6

PHYSIOLOGY

Code	Title	Credits
Complete one of the following:		
ANAT&PHY 335	Physiology	5
BIOCORE 485 & BIOCORE 486	Principles of Physiology and Principles of Physiology Laboratory	5

GENETICS

Code	Title	Credits
Complete one of the following:		
GENETICS 466	Principles of Genetics	3
GENETICS 467 & GENETICS 468	General Genetics 1 and General Genetics 2 [1]	6
BIOCORE 381 & BIOCORE 382 & BIOCORE 383 & BIOCORE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory [2]	10

[1] If students choose GENETICS 467 & GENETICS 468, 3 credits from this sequence will count towards the 5 required elective credits.

[2] Students who have taken BIOCORE for introductory biology will have typically also completed the genetics requirement via BIOCORE courses taken sophomore/second year.

PATHOLOGY

Code	Title	Credits
PATH 404	Pathophysiologic Principles of Human Diseases	3

PHARMACOLOGY AND TOXICOLOGY CORE

Code	Title	Credits
Complete all of the following:		
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology	2
PHM SCI 679	Pharmacology and Toxicology Seminar (taken twice) [1]	1
PHM SCI 510	Pharmacology Principles and Applications	2
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	Toxicology I	3
PHM SCI/ M&ENVTOX/PATH/ PHMCOL-M/ POP HLTH 626	Toxicology II	3

[1] Students need to take PHM SCI 679 in both their first and second years in the major in spring semesters (typically junior and senior years); the course is repeatable for degree credit.

ADDITIONAL PHARMACOLOGY

Code	Title	Credits
Complete one of the following:		
BIOCHEM/ NUTR SCI 560	Principles of Human Disease and Biotechnology	2
BOTANY 575	Special Topics (Topic: Medical Botany)	3
PATH-BIO 307	Superbugs, Sex, & Drugs: Why Modern Medicine Needs Evolutionary Biology	2
PHM SCI 581	Molecular and Cellular Principles in Pharmacology	4
PHM SCI 680	Principles of Pharmaceutical Sciences	3

ELECTIVES IN THE MAJOR

Students must complete at least 5 elective credits in the Pharmacology and Toxicology major from the below list, in any subject. Another option for fulfilling a portion or all of these 5 credits are additional directed/independent study (699) credits beyond the minimum 2 credits required for the major. Additional 699 credits must be approved by the PharmTox program to count towards the elective requirement if they are not done under the same principle investigator that was approved for the original two credits required.

Code	Title	Credits
ANAT&PHY 337	Human Anatomy	3
ANAT&PHY 338	Human Anatomy Laboratory	2
AN SCI/DY SCI 434	Reproductive Physiology	3
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BIOCHEM 551	Biochemical Methods	4
BIOCHEM/ M M & I 575	Biology of Viruses	2
BIOCHEM 601	Protein and Enzyme Structure and Function	2
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	3
BIOCORE 587	Biological Interactions	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
CHEM 547	Advanced Organic Chemistry	3
CHEM 561	Physical Chemistry I	3
CHEM 562	Physical Chemistry II	3
CHEM 563	Physical Chemistry Laboratory I	1
CHEM 564	Physical Chemistry Laboratory II	1
CHEM 665	Biophysical Chemistry	3

DERM 601	Skin Biology and Skin Diseases	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
FOOD SCI 550	Fermented Foods and Beverages	2
GENETICS 545	Genetics Laboratory	2
GENETICS 588	Immunogenetics	3
GENETICS/ MD GENET 662	Cancer Genetics	3
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3
M M & I/PATH-BIO 528	Immunology	3
MED PHYS/ H ONCOL 410	Radiobiology	2-3
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 305	Critical Analyses in Microbiology	1
MICROBIO 357	General Bioinformatics for Microbiologists	3
MICROBIO 626	Microbial and Cellular Metabolomics	3
M&ENVTOX/ CIV ENGR/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
ONCOLOGY 401	Introduction to Experimental Oncology	2
ONCOLOGY/ M M & I/ PL PATH 640	General Virology-Multiplication of Viruses	3
PHARMACY 632	Neuroscience of Psychedelics	3
PHM SCI/B M E 430	Biological Interactions with Materials	3
PSYCH 450	Primate Psychology: Insights into Human Behavior	3-4
PSYCH 454	Behavioral Neuroscience	3-4
PSYCH/ ZOOLOGY 523	Neurobiology	3
SOC WORK 453	Substance Use Disorders	3
ZOOLOGY 425	Behavioral Ecology	3
ZOOLOGY 430	Comparative Anatomy of Vertebrates	5
ZOOLOGY 470	Introduction to Animal Development	3
ZOOLOGY 555	Laboratory in Developmental Biology	3
ZOOLOGY 570	Cell Biology	3

QUALITY OF WORK REQUIREMENTS AND PASS/FAIL

Students must have a 2.000 cumulative grade point average at the time of graduation in order to earn a Pharmacology and Toxicology BS degree.

No course that is used for Pharmacology and Toxicology degree requirements may be taken as pass/fail and must be taken for a letter grade (AP, IB, or other test credits or placement exemptions are excluded from this requirement). This includes all prerequisite coursework, major requirements, and university general education requirements.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Demonstrate a knowledge and understanding of the supportive biomedical fields.
2. Demonstrate a knowledge and understanding of Pharmacology.
3. Demonstrate a knowledge and understanding of Toxicology.
4. Understand scientific principles of laboratory design and presentation of scientific data.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

A minimum of 120 credits is required to earn the BS in Pharmacology and Toxicology. Below are sample four-year plans for the Pharmacology and Toxicology major, incorporating both prerequisites and major coursework. They focus on science coursework sequencing and do not take into account factors such as AP or advance standing credits, additional summer courses, study abroad, or preparing for standardized tests like the MCAT or PCAT.

It is **critical** that you talk with your advisor about your tentative plan for course sequences and prerequisites, which courses are offered fall vs. spring vs. summer, etc.

EXAMPLE PLAN: CHEMISTRY 103/104

First Year

Fall	Credits	Spring	Credits
CHEM 103	4	CHEM 104	5
MATH 221	5	STAT 371 or 301	3
Communication A	3	Social Science	3-4

Electives	3-4	Electives	3-4
	15-16		**14-16**

Second Year

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 345	3
BIOLOGY/BOTANY/ ZOOLOGY 151 (or Biocore)	5	CHEM 344	2
Ethnic Studies	3-4	BIOLOGY/BOTANY/ ZOOLOGY 152 (or Biocore)	5
Electives	3	Humanities	3
		Electives	3
	14-15		**16**

Third Year

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3
PHM SCI 558	2	PATH 404	3
ANAT&PHY 335 (or Biocore)	5	PHM SCI 679	1
Humanities	3	PHYSICS 103	4
Research (699) credits	2-3	Electives in the Major or add'l research credits	2-3
	15-16		**13-14**

Fourth Year

Fall	Credits	Spring	Credits
PHM SCI/M&ENVTOX/ ONCOLOGY/PHMCOL-M/POP HLTH 625	3	PHM SCI/M&ENVTOX/ PATH/PHMCOL-M/ POP HLTH 626	3
PHYSICS 104	4	PHM SCI 679	1
Additional Pharmacology	2-4	GENETICS 466 (not req. if Biocore taken)	3
Electives in the Major or add'l research credits	2-3	PHM SCI 510	2
Electives	3	Electives	4
	14-17		**13**

Total Credits 114-123

EXAMPLE PLAN: CHEMISTRY 109, BIOLOGY IN FIRST YEAR

First Year

Fall	Credits	Spring	Credits
CHEM 109	5	CHEM 343	3
MATH 221	5	ZOOLOGY/BIOLOGY/ BOTANY 151	5
Communication A	3	Social Science	3-4
Electives	3-4	Electives	3-4
	16-17		**14-16**

Second Year

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 152	5	CHEM 344	2
CHEM 345	3	PHYSICS 103	4
Ethnic Studies	3-4	Humanities	3-4
Humanities	3-4	Electives	3-4
	14-16		**12-14**

Third Year

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3
PHM SCI 558	2	PATH 404	3
ANAT&PHY 335	5	PHM SCI 679	1
Research (699) credits	2	PHM SCI 510	2
Electives	3	Electives in the Major or add'l research credits	2-3
	15		**11-12**

Fourth Year

Fall	Credits	Spring	Credits
PHM SCI/M&ENVTOX/ ONCOLOGY/PHMCOL-M/POP HLTH 625	3	PHM SCI/M&ENVTOX/ PATH/PHMCOL-M/ POP HLTH 626	3
STAT 371	3	PHM SCI 679	1
PHYSICS 104	4	GENETICS 466	3
Electives in the Major or add'l research credits	2-3	Additional Pharmacology	2-4
Electives	3	Electives	3-4
	15-16		**12-15**

Total Credits 109-121

EXAMPLE PLAN: CHEMISTRY 103 IN SPRING OF FIRST YEAR

First Year

Fall	Credits	Spring	Credits
MATH 112	3	CHEM 103	4
Social Science	3-4	MATH 221	5
Communication A	3	Humanities	3-4
Electives	3-4	Electives	3-4
	12-14		**15-17**

Second Year

Fall	Credits	Spring	Credits	Summer	Credits
CHEM 104	5	CHEM 343	3	CHEM 345	3
ZOOLOGY/ BIOLOGY/ BOTANY 151	5	ZOOLOGY/ BIOLOGY/ BOTANY 152	5	CHEM 344	2
Ethnic Studies	3-4	Humanities	3-4		
Electives	3-4	Electives in the Major	3		
	16-18		**14-15**		**5**

Third Year

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3-4
PHM SCI 558	2	PATH 404	3
ANAT&PHY 335	5	PHM SCI 679	1
STAT 371 or 301	3	PHYSICS 103	4
		Research (699) credits	2
	13		**13-14**

Fourth Year

Fall	Credits	Spring	Credits
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	3	PHM SCI/ M&ENVTOX/ PATH/ PHMCOL-M/ POP HLTH 626	3
PHYSICS 104	4	PHM SCI 679	1
Additional Pharmacology	2-4	PHM SCI 510	2
Electives in the Major or add'l research credits	2-3	GENETICS 466	3
		Electives	3
	11-14		**12**

Total Credits 111-122

THREE-YEAR PLAN

THREE-YEAR PLAN

Below is a sample 3 year plan for the Pharmacology and Toxicology major, incorporating prerequisites, major coursework, and university-wide breadth and general education requirements. Students interested in graduating in three years should meet with the PharmTox academic advisor early and often to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and other considerations.

While there are many advantages to attending four years of college, including making the most of research and study abroad opportunities, exploring alternative majors, completing additional majors and certificates, developing skills and interests through student groups, and personal growth, students may have various reasons for wanting to graduate in three years, and the PharmTox advisor will work with students to help them prioritize their goals.

This example plan assumes that students will:

- Enter their first year at UW-Madison with at least 25 advanced standing credits (to be able to meet the PharmTox application prerequisite of 60 credits by the start of their second year), including equivalency credit for Introductory Biology (ZOOLOGY/BIOLOGY/ BOTANY 151) . Entering with fewer credits would require more credits in the fall, spring, and/or summer terms in the first year than in the example plan.
- Place into or are eligible to enroll in MATH 221 for first semester.
- Apply to the PharmTox major during their first year for admission for fall of their second year and have all prerequisite coursework complete by the end of the summer term after the first year.
- Enroll in enough credits each term to earn 120 total credits. Some terms may require more or less credits than the example plan, depending on the number of advanced standing credits a student brings in.

Summer coursework will be required after the first year for students without chemistry advanced standing credits, in order to complete general and organic chemistry before the start of the second year. Other summer coursework is not necessarily required, but may be helpful to alleviate credit loads and course combinations in fall or spring terms.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
MATH 221	5	CHEM 343	3	CHEM 345	3
CHEM 109	5	ZOOLOGY/ BIOLOGY/ BOTANY 152	5	CHEM 344	2
Communication A	3	Social Science	3-4		
Humanities	3-4	Ethnic Studies	3-4		
	16-17		**14-16**		**5**

Second Year

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3-4
ANAT&PHY 335	5	PATH 404	3
PHM SCI 558	2	PHM SCI 679	1
STAT 371 or 301	3	PHYSICS 103	4
Research (699) credits	2	Electives in the Major or add'l research credits	2-3
	15		**13-15**

Third Year

Fall	Credits	Spring	Credits
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	3	PHM SCI/ M&ENVTOX/ PATH/ PHMCOL-M/ POP HLTH 626	3
PHYSICS 104	4	PHM SCI 679	1
Additional Pharmacology	2-4	PHM SCI 510	2
Humanities	3-4	GENETICS 466	3
		Electives in the Major or add'l research credits	2-3
		Electives	3
	12-15		**14-15**

Total Credits 89-98

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

During their first two college years, pre-PharmTox students are typically in the College of Letters & Science or the College of Agricultural and Life Sciences. This time is spent completing prerequisite courses and preparing to apply to the PharmTox major. Students can request to be assigned to the PharmTox advisor in addition to their primary academic advisor from their current school. They are welcome to meet with the PharmTox advisor at any time for guidance. There is no official "pre-PharmTox" designation or program to declare or be in administratively.

The PharmTox advisor supports both current undergraduates and prospective high school or transfer students interested in the major.

High school and transfer students can schedule appointments by calling (608) 262-6234 or emailing the advisor, while current UW-Madison students can book their sessions online via Starfish (https://wisc.starfishsolutions.com/starfish-ops/). Advising is also available during SOAR for incoming students, which includes help with curriculum planning and introductions to enrollment tools. The advisor can also connect prospective undergraduates with upperclassmen and alumni who share similar interests.

Once admitted to the major, students will have the PharmTox advisor as their primary academic advisor, ensuring they receive continuous support throughout their academic journey.

CAREERS

Graduates of the program are well-prepared for entry-level scientific jobs in various industries like biotechnology, consumer products, contract research, regulatory affairs, and pharmaceuticals. They can also work in academic research labs or government agencies focused on science, health, or the environment. The program provides a strong foundation for graduate education in pharmacology, toxicology, or other biomedical sciences, as well as for health professions like medical, veterinary, dental, optometry, and public health programs. With the right general education and elective courses, students can also pursue careers in scientific writing, business, regulatory roles, environmental positions, or law school. Graduates are equipped to make significant contributions to human and animal health.

The program has strong connections with its 400+ alumni who are located across the country and the globe. The PharmTox advisor can help students connect with alumni to explore careers and learn about employers.

Available Career Resources

- The PharmTox advisor can assist with resume building, interview preparation, and career exploration, and also gives all PharmTox students access to a virtual career center via Canvas.
- Many L&S and CALS career workshops and fairs are open to all students, including PharmTox students. The Career Exploration Center (https://cec.ccas.wisc.edu/) (CEC) is also available to students who are in the early stages of career exploration, especially those who have lots of ideas or no ideas yet.
- Current students can join the Pharmacology and Toxicology LinkedIn group (https://www.linkedin.com/groups/12266662/) to network with fellow students and alumni.
- Handshake (https://app.joinhandshake.com/auth/?auth=648) features employer job postings specifically available to UW–Madison students and is a great place to browse for internships and full-time jobs. Students can also post resumes and allow employers to contact them regarding potential employment.
- The Center for Prehealth Advising (http://www.prehealth.wisc.edu) assists students with preparing for and applying to professional healthcare programs, including medicine, physical therapy, physician assistant, dentistry, and more.

WISCONSIN EXPERIENCE

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in pharmacology, toxicology, and other biomedical sciences, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- The program's small size and cohort-based model makes it easy to arrange study groups, tutoring, and social events, and funds can be requested to support these activities.
- Students have access to a student commons, group study rooms, lockers, and a variety of gathering spaces in Rennebohm Hall. Ebling Library, located adjacent to Rennebohm Hall in the Health Sciences Learning Center, serves the School of Pharmacy student body, in addition to that of students from medicine, veterinary medicine, and nursing.
- The School of Pharmacy hosts a variety of student organizations (https://pharmacy.wisc.edu/student-organizations/), several of which are available to PharmTox students. Junior and senior class presidents are elected each year and represent each cohort by providing feedback, as well as serve on various School of Pharmacy committees to represent the PharmTox program.
- Students are required to participate in a scientific research experience for at least one semester after being admitted to the major, though continued research involvement before and after admission to the major is highly encouraged. The Biocommons website (http://biology.wisc.edu/finding-mentor/) has step-by-step information on how to find a research opportunity, and students can also speak with the advisor for additional guidance.
- Study abroad is definitely possible, although a winter session, spring break, or summer session experience fits most easily with the PharmTox curriculum. Visit the Study Abroad Major Advising Page for PharmTox (https://studyabroad.wisc.edu/academics/major-advising-pages-maps/pharmacology-and-toxicology/) to learn more.
- One to two travel awards are given annually to allow seniors to attend a national conference in the field of pharmacology and toxicology, and funding is often available to facilitate travel for interested students to regional conferences near Madison.
- The annual PharmD/PharmTox Research Symposium provides students with an opportunity to present their research projects each spring.

INDEX

Accounting and Information Systems 1401
Accounting, Certificate 1402
Accounting Fundamentals, Certificate 1401
Adapted Physical Education, Minor 1655
African American Studies 378
African American Studies, BA 379
African American Studies, BS 383
African American Studies, Certificate 387
African Cultural Studies 388
African Cultural Studies, BA 389
African Cultural Studies, BS 394
African Studies, Certificate 861
Aging Studies, Certificate 1283
Agricultural and Applied Economics 51
Agricultural and Applied Economics, BS 52
Agricultural and Life Sciences - College-Wide 62
Agricultural Business Management, BS 56
Agroecology, BS 195
Agronomy, BS 201
American Indian and Indigenous Studies, Certificate 401
American Indian and Indigenous Studies Program 401
Animal and Dairy Sciences 66
Animal and Veterinary Biosciences, BS 66
Animal Sciences, BS 72
Anthropology 403
Anthropology, BA 403
Anthropology, BS 407
Applied Mathematics, Engineering, and Physics, BS AMEP 1098
Applied Social Research, Certificate 1321
Applied Social Science, BLS 1064
Arabic Language and Culture, Certificate 399
Archaeology, Certificate 411
Architecture, Certificate 274
Art 1519
Art, BFA 1529
Art, BS 1543
Art Education, BS 1519
Art History 413
Art History, BA 413
Art History, BS 420
Art History, Certificate 426
Art Studio, Certificate 1527
Art: Graphic Design, BFA 1538
Art: Graphic Design, BS 1550
Arts and Teaching, Certificate 1555
Asian American Studies, Certificate 429
Asian American Studies Program 429
Asian Languages and Cultures 430
Asian Languages and Cultures, BA 432
Asian Languages and Cultures, BS 446
Asian Languages and Cultures: East Asian Studies 440
Asian Languages and Cultures: East Asian Studies 453
Asian Languages and Cultures: South Asian Studies 443
Asian Languages and Cultures: South Asian Studies 456
Asian Languages and Cultures: Southeast Asian Studies 445
Asian Languages and Cultures: Southeast Asian Studies 459
Astronomy 489
Astronomy–Physics, BA 489
Astronomy–Physics, BS 494
Athletic Healthcare, Certificate 1655
Atmospheric and Oceanic Sciences 499
Atmospheric and Oceanic Sciences, BA 499
Atmospheric and Oceanic Sciences, BS 504

Bacteriology 88
Biochemistry 108
Biochemistry, BA (L&S) 1067
Biochemistry, BS (CALS) 108
Biochemistry, BS (L&S) 1075
Biological Systems Engineering 116
Biological Systems Engineering, BS 117
Biological Systems Engineering: Food and Bioprocess Engineering 123
Biological Systems Engineering: Machinery Systems Engineering 125
Biological Systems Engineering: Natural Resources and Environmental Engineering 127
Biology, BA (L&S) 986
Biology, BS (CALS) 89
Biology, BS (L&S) 1000
Biology Core Curriculum 526
Biology Core Curriculum Honors, Certificate 526

Biology in Engineering for Engineering Majors, Certificate 258
Biology, Minor 1557
Biology: Evolutionary Biology 96
Biology: Evolutionary Biology 994
Biology: Evolutionary Biology 1008
Biomedical Engineering 257
Biomedical Engineering, BS 260
Botany 528
Botany, BA 528
Botany, BS 532
Business - School-Wide 1410
Business Administration: Human Resources, BBA 1433
Business Administration: Management, BBA 1435
Business Administration: Marketing, BBA 1461
Business, Certificate 1411
Business Fundamentals, Summer Certificate 1410
Business Management for Agricultural and Life Sciences, Certificate 60
Business Spanish, Certificate 1338
Business: Accounting, BBA 1403
Business: Actuarial Science, BBA 1482
Business: Entrepreneurship, BBA 1437
Business: Finance, Investment, and Banking, BBA 1414
Business: Human Resource Management, BBA 1440
Business: Information Systems, BBA 1467
Business: International Business, BBA 1418
Business: Management and Human Resources, BBA 1444
Business: Management and Human Resources: Entrepreneurship 1449
Business: Management and Human Resources: Entrepreneurship/Human Resources 1450
Business: Management and Human Resources: Entrepreneurship/Management 1451
Business: Management and Human Resources: Human Resources 1452
Business: Management and Human Resources: Management 1453
Business: Management and Human Resources: Management/Human Resources 1454
Business: Management, BBA 1455
Business: Marketing, BBA 1463
Business: Operations and Technology Management, BBA 1470
Business: Real Estate and Urban Land Economics, BBA 1478
Business: Risk Management and Insurance, BBA 1486
Business: Supply Chain Management, BBA 1474

Cartography and Geographic Information Systems, BA 748
Cartography and Geographic Information Systems, BS 752
Center for Law, Society, and Justice 548
Chemical and Biological Engineering 267
Chemical Engineering, BS 268
Chemistry 567
Chemistry, BA 567
Chemistry, BS 574
Chemistry, Minor 1558
Chicana/o and Latina/o Studies 581
Chicana/o and Latina/o Studies, Certificate 581
Chicanx/e and Latinx/e Studies, BA 583
Chicanx/e and Latinx/e Studies, BS 588
Chinese, BA 463
Chinese, BS 470
Chinese Professional Communication, Certificate 460
Civil and Environmental Engineering 274
Civil Engineering, BS 276
Civil Engineering: Construction Engineering and Management 282
Civil Society and Community Studies 1721
Classical and Ancient Near Eastern Studies 592
Classical Humanities, BA 593
Classical Humanities, BS 598
Classical Studies, Certificate 604
Classics, BA 606
Classics, BS 610
College of Agricultural and Life Sciences 44
College of Agricultural and Life Sciences Honors 62
College of Engineering 246
College of Engineering Honors in the Liberal Arts 312
College of Letters & Science 366
College of Letters & Science Honors in the Liberal Arts 1083
Communication Arts 620
Communication Arts, BA 621
Communication Arts, BS 631
Communication Arts: Communication Science and Rhetorical Studies . 624
Communication Arts: Communication Science and Rhetorical Studies . 635
Communication Arts: Radio-Television-Film 628
Communication Arts: Radio-Television-Film 639
Communication Sciences and Disorders 647
Communication Sciences and Disorders, BA 647
Communication Sciences and Disorders, BS 651
Communication Sciences and Disorders, BSE 1559

Community and Environmental Sociology 128
Community and Environmental Sociology, BS 128
Community and Organizational Development, BS 1722
Computer Engineering, BS 296
Computer Engineering: Machine Learning and Data Science, BS 301
Computer Engineering: Semiconductor Engineering, BS 302
Computer Sciences 655
Computer Sciences, BA 655
Computer Sciences, BS 660
Computer Sciences, Certificate 664
Conservation Biology, BA 536
Conservation Biology, BS 542
Consulting, Certificate 1412
Consumer Behavior and Marketplace Studies, BS 1726
Consumer Finance and Financial Planning, BS 1730
Consumer Marketplace Studies, BS 1733
Consumer Science 1725
Criminal Justice, Certificate 548
Curriculum and Instruction 1554

Dairy and Food Animal Management, BS 78
Dairy Science, BS 83
Dance 1609
Dance, BFA 1612
Dance, BS 1618
Dance, Certificate 1624
Dance Education, Certificate 1609
Dance Studies, Certificate 1610
Data Science, BA 1354
Data Science, BS 1359
Data Science, Certificate 1364
Design, Innovation, and Society, BS 1743
Design Strategy, Certificate 1741
Design Studies 1741
Development Economics, Certificate 61
Digital Cinema Production, Certificate 642
Digital Media Analytics, Certificate 1311
Digital Studies, Certificate 644
Disability Rights and Services, Certificate 1680

Early Childhood Education, Minor 1565
Earth Science, Minor 1565
East Asian Studies, Certificate 864
East Central European Languages, Literatures, and Cultures, Certificate 781
Economic Analytics, Certificate 667
Economics 666
Economics, BA 668
Economics, BS 675
Economics, Minor 1566
Economics: Mathematical Emphasis 673
Economics: Mathematical Emphasis 680
Education - School-Wide 1627
Education and Educational Services, Certificate 1652
Educational Policy Studies 1631
Educational Policy Studies, BS 1632
Educational Policy Studies, Certificate 1640
Educational Psychology 1652
Electrical and Computer Engineering 295
Electrical Engineering, BS 303
Electrical Engineering: Machine Learning and Data Science, BS 309
Electrical Engineering: Semiconductor Engineering, BS 310
Elementary Education and Special Education, BSE 1681
Elementary Education, BSE 1567
Elementary Education: Kindergarten - 9th Grade 1574
Engineering - College-wide 311
Engineering Data Analytics, Certificate 318
Engineering for Energy Sustainability, Certificate 350
Engineering Mechanics, BS 331
Engineering Mechanics: Aerospace Engineering 336
Engineering Mechanics: Astronautics 339
Engineering Physics, BS 351
Engineering Thermal Energy Systems, Certificate 341
English 682
English as a Second Language, Minor 1578
English, BA 682
English, BS 691
English Language Arts, Minor 1578
English, Minor 1580
English: Emphasis on Creative Writing 687
English: Emphasis on Creative Writing 696
English: English Language and Linguistics 688
English: English Language and Linguistics 697
Entomology 134
Entomology, BS 135

Entrepreneurship, Certificate 1459
Environmental Engineering, BS 283
Environmental Sciences, BA (L&S) 509
Environmental Sciences, BS (CALS) 229
Environmental Sciences, BS (L&S) 517
Environmental Soil Science, Certificate 237
Environmental Studies 700
Environmental Studies 1377
Environmental Studies, Certificate 1377
Environmental Studies Major 700
European Studies, Certificate 867

Fermented Foods and Beverages, Certificate 151
Finance 1414
Folklore, Certificate 782
Food Science 150
Food Science, BS 153
Food Systems, Certificate 132
Forest and Wildlife Ecology 157
Forest Science, BS 157
French and Italian 709
French, BA 709
French, BS 714
French, Certificate 718
Freshwater and Marine Sciences, Certificate 1014

Game Design, Certificate 1581
Gaylord Nelson Institute for Environmental Studies 1377
Gender and Women's Studies 728
Gender and Women's Studies, BA 728
Gender and Women's Studies, BS 735
Gender and Women's Studies, Certificate 743
Genetics 169
Genetics and Genomics, BS 170
Genetics in a Modern World, Certificate 176
Geography 747
Geography, BA 757
Geography, BS 763
Geography, Minor 1582
Geography: Human Geography 761
Geography: Human Geography 767
Geography: People-Environment Geography 762
Geography: People-Environment Geography 768
Geography: Physical Geography: Earth Systems and Environmental Processes 762
Geography: Physical Geography: Earth Systems and Environmental Processes 769
Geological Engineering, BS 289
Geology and Geophysics, BA 772
Geology and Geophysics, BS 775
Geoscience 771
Geospatial Data Science, Certificate 770
German, BA 784
German, BS 788
German, Certificate 792
German, Nordic, and Slavic 779
Global Cultures, Languages, and Education, Certificate 1641
Global Health, BS 140
Global Health, Certificate 147
Graphic Design, Certificate 1553

Health and the Humanities, Certificate 977
Health Education, Minor 1656
Health Policy, Certificate 1049
Health Promotion and Health Equity, BS 1657
History 821
History, BA 821
History, BS 834
History, Certificate 846
History, Minor 1584
Horticulture, BS 207
Human Development and Family Studies 1761
Human Development and Family Studies, BS 1762
Human Development and Family Studies: Child Development, BS 1766
Human Ecology - School-wide 1768

Individual Major, BA 1084
Individual Major, BS 63
Individual Major, BS 1086
Individual Major, BS 1768
Individual Major, BSE 1627
Industrial and Systems Engineering 318
Industrial Engineering, BS 319
Information 852
Information Science, BA 852

Information Science, BS ... 856
Institute for Regional and International Studies ... 861
Integrated Liberal Studies ... 977
Integrated Liberal Studies, Certificate ... 980
Integrated Studies in Science, Engineering, and Society, Certificate ... 1323
Integrative Biology ... 985
Integrative Design of Built and Natural Environments, Certificate ... 1233
Interior Architecture, BS ... 1747
International Business ... 1418
International Business, Certificate ... 1413
International Development and Education, Certificate ... 1649
International Engineering, Certificate ... 312
International Studies, BA ... 876
International Studies, BS ... 914
International Studies: Culture in an Age of Globalization ... 882
International Studies: Culture in an Age of Globalization ... 920
International Studies: Global Security ... 890
International Studies: Global Security ... 928
International Studies: Human Rights and Humanitarianism ... 898
International Studies: Human Rights and Humanitarianism ... 936
International Studies: Politics and Policy in the Global Economy ... 906
International Studies: Politics and Policy in the Global Economy ... 945
Introductory Studies in Dance/Movement Therapy, Certificate ... 1626
Italian, BA ... 719
Italian, BS ... 723
Italian, Certificate ... 726

Japanese, BA ... 479
Japanese, BS ... 484
Japanese Professional Communication, Certificate ... 476
Jewish Studies, BA ... 1200
Jewish Studies, BS ... 1204
Jewish Studies, Certificate ... 1208
Journalism, JBA ... 1312
Journalism, JBS ... 1316

Kinesiology ... 1654
Kinesiology, BS ... 1663

La Follette School of Public Affairs ... 1049
Landscape and Urban Studies, BA ... 1235
Landscape and Urban Studies, BS ... 1240
Landscape Architecture, BLA ... 1245
Language Sciences ... 1054
Languages and Cultures of Northern Europe, Certificate ... 793
Latin American, Caribbean, and Iberian Studies, BA ... 953
Latin American, Caribbean, and Iberian Studies, BS ... 959
Latin, BA ... 614
Latin, BS ... 617
Legal Studies, BA ... 551
Legal Studies, BS ... 559
Letters & Science - College-Wide ... 1064
LGBTQ+ Studies, Certificate ... 746
Life Sciences Communication ... 177
Life Sciences Communication, BS ... 178
Linguistics, BA ... 1055
Linguistics, BS ... 1059

Management and Human Resources ... 1432
Manufacturing Engineering, Certificate ... 342
Marketing ... 1461
Material Culture Studies, Certificate ... 1752
Materials Science and Engineering ... 326
Materials Science and Engineering, BS ... 326
Mathematics ... 1098
Mathematics and Science Dual, Minor ... 1588
Mathematics, BA ... 1102
Mathematics, BS ... 1124
Mathematics, Certificate ... 1146
Mathematics, Minor ... 1591
Mathematics Specialized, Minor ... 1591
Mathematics: Mathematics for Data Science ... 1109
Mathematics: Mathematics for Data Science ... 1130
Mathematics: Mathematics for Economics and Finance ... 1111
Mathematics: Mathematics for Economics and Finance ... 1133
Mathematics: Mathematics for Programming and Computing ... 1113
Mathematics: Mathematics for Programming and Computing ... 1135
Mathematics: Mathematics for Secondary Education ... 1116
Mathematics: Mathematics for Secondary Education ... 1138
Mathematics: Mathematics for Statistical Analysis and Risk Assessment 1118
Mathematics: Mathematics for Statistical Analysis and Risk Assessment ... 1139
Mathematics: Mathematics for the Physical and Biological Sciences ... 1120
Mathematics: Mathematics for the Physical and Biological Sciences ... 1142

Mead Witter School of Music 1147
Mechanical Engineering 330
Mechanical Engineering, BS 344
Medieval Studies, Certificate 849
Microbiology, BA (L&S) 1089
Microbiology, BS (CALS) 101
Microbiology, BS (L&S) 1093
Middle East Studies, Certificate 965
Molecular and Cell Biology, BA 1016
Molecular and Cell Biology, BS 1021
Mosse/Weinstein Center for Jewish Studies 1199
Music, BA 1148
Music, BS 1161
Music: Composition 1157
Music: Composition 1170
Music: Education, BM 1175
Music: Education: Choral/General, BM 1181
Music: Education: Instrumental/General, BM 1182
Music: Performance 1158
Music: Performance 1171
Music: Performance, BM 1183
Music: Performance: Brass, Percussion, Woodwinds, BM 1191
Music: Performance: Composition, BM 1192
Music: Performance: Guitar, BM 1193
Music: Performance: Jazz, BM 1194
Music: Performance: Organ, BM 1195
Music: Performance: Piano, BM 1196
Music: Performance: Strings, BM 1197
Music: Performance: Voice, BM 1198

Naval Science, BNS 313
Neurobiology, BA 1027
Neurobiology, BS 1033
Nuclear Engineering and Engineering Physics 349
Nuclear Engineering, BS 358
Nuclear Engineering Materials, Certificate 357
Nuclear Engineering: Radiation Sciences 364
Nursing, BSN 1778
Nursing, BSN (Accelerated Program) 1783
Nursing, BSN (Collaborative Program) 1788
Nutritional Sciences 185
Nutritional Sciences, BS 185
Nutritional Sciences, BS Nutrition and Dietetics 190

Operations and Information Management 1466
Organic Agriculture, Certificate 220

Personal Finance, BS 1735
Personal Finance: Financial Planning, BS 1739
Pharmaceutical Sciences, BS 1793
Pharmacology and Toxicology, BS 1795
Philosophy 1211
Philosophy, BA 1211
Philosophy, BS 1214
Physical Education, BS 1671
Physics 1218
Physics, BA 1218
Physics, BS 1225
Physics, Certificate 1232
Physics, Minor 1592
Pilates, Certificate 1626
Planning and Landscape Architecture 1233
Plant and Agroecosystem Sciences 195
Plant Pathology 220
Plant Pathology, BS 222
Plant Science and Technology, BS 213
Polish, BA 795
Polish, BS 799
Political Economy, Philosophy, and Politics, Certificate 1249
Political Science 1249
Political Science, BA 1251
Political Science, BS 1257
Political Science, Certificate 1263
Political Science, Minor 1592
Portuguese, BA 1339
Portuguese, BS 1342
Preparing to Teach Abroad, Certificate 1595
Promoting Activity for Diverse Abilities, Certificate 1679
Psychology 1265
Psychology, BA 1265
Psychology, BS 1269
Psychology, Minor 1597
Public Policy, Certificate 1052

Real Estate and Urban Land Economics 1478
Rehabilitation Psychology and Special Education 1680
Rehabilitation Psychology, BS 1689
Religious Studies 1274
Religious Studies, BA 1274
Religious Studies, BS 1278
Religious Studies, Certificate 1281
Risk and Insurance 1482
Risk Management and Insurance, Certificate 1490
Russian, BA 802
Russian, BS 806
Russian, East European, and Central Asian Studies, Certificate 968

Sandra Rosenbaum School of Social Work 1283
Scandinavian Studies, BA 810
Scandinavian Studies, BS 813
Scandinavian Studies, Certificate 817
School of Business 1386
School of Education 1490
School of Human Ecology 1715
School of Human Ecology Honors 1769
School of Journalism and Mass Communication 1310
School of Nursing 1770
School of Nursing 1778
School of Nursing Honors 1791
School of Pharmacy 1791
School of Pharmacy 1793
Science Communication, Certificate 184
Science Specialized, Minor 1597
Six Sigma, Certificate 325
Slavic Studies, Certificate 819
Social Justice and Education, Certificate 1651
Social Studies, Minor 1598
Social Welfare, BA 1285
Social Welfare, BS 1292
Social Work, BSW 1300
Sociology 1321
Sociology, BA 1326
Sociology, BS 1332
Sociology, Minor 1607
Sociology: Concentration in Analysis and Research 1330
Sociology: Concentration in Analysis and Research 1336
Soil and Environmental Sciences 228
Soil Science, BS 239
South Asian Studies, Certificate 972
Southeast Asian Studies, Certificate 975
Spanish and Portuguese 1338
Spanish, BA 1347
Spanish, BS 1350
Spanish Studies for Business Students, Certificate 1345
Special Education, BSE 1694
Special Education: Early Childhood Special Education Birth - Grade 3, BSE 1701
Special Education: Early Childhood Special Education/Special Education Dual Certification Birth-Grade 12, BSE 1702
Special Education: Special Education Cross Categorical K-12, BSE 1704
Sports Communication, Certificate 1320
Statistics 1354
Statistics, BA 1366
Statistics, BS 1370
Statistics, Certificate 1375
Sustainability, Certificate 1384

Teaching English to Speakers of Other Languages, Certificate 699
Technical Communication, Certificate 315
Textiles and Design, Certificate 1754
Textiles and Fashion Design, BS 1756
Textiles and Fashion Design: FIT (Fashion Institute of Technology) 1760
Theatre and Drama 1705
Theatre and Drama, BS 1706
Theatre and Drama: Acting 1712
Theatre, Certificate 1714

Undergraduate Guide 9

Wildlife Ecology, BS 164

Zoology, BA 1040
Zoology, BS 1045