

ECONOMICS, B.A.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

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

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| General Education | <ul style="list-style-type: none"> • Breadth–Humanities/Literature/Arts: 6 credits • Breadth–Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth–Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B * |
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* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (B.A.)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

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| Foreign Language | <ul style="list-style-type: none"> • Complete the fourth unit of a foreign language; OR • Complete the third unit of a foreign language and the second unit of an additional foreign language. |
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| L&S Breadth | <ul style="list-style-type: none"> • 12 credits of Humanities, which must include 6 credits of literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course. |
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| Liberal Arts and Science Coursework | Complete at least 108 credits. |
| Depth of Intermediate/Advanced work | Complete at least 60 credits at the intermediate or advanced level. |
| Major | Declare and complete at least one major. |
| Total Credits | Complete at least 120 credits. |
| UW–Madison Experience | <ul style="list-style-type: none"> • 30 credits in residence, overall; and • 30 credits in residence after the 86th credit. |
| Quality of Work | <ul style="list-style-type: none"> • 2,000 in all coursework at UW–Madison • 2,000 in Intermediate/Advanced level coursework at UW–Madison |

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

OPTIONS IN THE MAJOR

The department offers two major options. Students may declare only one option and must complete all requirements including Residence and Quality of Work standards. Options are:

Option A: Economics provides a well-rounded major in economics that is valuable for employment following graduation, or subsequent graduate work in business, law, public policy, and related disciplines.

Option B: Economics–Mathematical Emphasis provides students with the mathematical and statistical background needed for in-depth study of the analytical aspects of economics. Its requirements are designed to prepare students for graduate study in economics and related fields, or for careers as professional economists in business or government. For specific Mathematical Emphasis requirements, see the section below (p. 3).

REQUIREMENTS FOR THE ECONOMICS MAJOR MATH AND STATISTICS

| Code | Title | Credits |
|------------------------------------|----------------------------------|---------|
| Mathematics (complete one): | | |
| MATH 221 | Calculus and Analytic Geometry I | 5-10 |
| or MATH 211 | Calculus | |
| or MATH 275 | Topics in Calculus I | |

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| MATH 171 & MATH 217 | Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II | |
| Statistics (complete one): | | 3-4 |
| ECON 310 | Statistics: Measurement in Economics (Recommended) | |
| STAT 302 | Accelerated Introduction to Statistical Methods | |
| ECON 400 | Introduction to Applied Econometrics | |
| ECON 410 | Introductory Econometrics | |
| MATH/STAT 309 | Introduction to Probability and Mathematical Statistics I | |
| STAT 311 | Introduction to Theory and Methods of Mathematical Statistics I | |
| STAT 324 | Introductory Applied Statistics for Engineers | |
| STAT 340 | Data Science Modeling II | |
| Total Credits | | 8-14 |

ECONOMICS

30 credits to include:

| Code | Title | Credits |
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| Microeconomics & Macroeconomics (complete one): | | 4-8 |
| ECON 101 & ECON 102 | Principles of Microeconomics and Principles of Macroeconomics | |
| ECON 111 | Principles of Economics- Accelerated Treatment | |
| Intermediate Theory (complete one): | | 6-8 |
| ECON 301 & ECON 302 | Intermediate Microeconomic Theory and Intermediate Macroeconomic Theory | |
| ECON 311 & ECON 312 | Intermediate Microeconomic Theory - Advanced Treatment and Intermediate Macroeconomic Theory - Advanced Treatment (Honors Econ) | |
| Two Core ECON courses:¹ | | 6-8 |
| ECON 400 | Introduction to Applied Econometrics | |
| ECON 409 | Study Abroad in Advanced Economics | |
| ECON 410 | Introductory Econometrics | |
| ECON 435 | The Financial System | |
| ECON 441 | Analytical Public Finance | |
| ECON 442 | Macroeconomic Policy | |
| ECON 448 | Human Resources and Economic Growth | |
| ECON 450 | Wages and the Labor Market | |
| ECON 451 | The Economic Approach to Human Behavior | |
| ECON 455 | Behavioral Economics | |
| ECON 458 | Industrial Structure and Competitive Strategy | |

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| ECON 460 | Economic Forecasting | |
| ECON 461 | International Macroeconomics | |
| ECON 464 | International Trade | |
| ECON 467 | International Industrial Organizations | |
| ECON 468 | Industrial Organization and Imperfect Competition | |
| ECON 475 | Economics of Growth | |
| ECON/ FINANCE 503 | Markets with Frictions | |
| ECON 521 | Game Theory and Economic Analysis | |
| ECON 522 | Law and Economics | |
| ECON/R M I 530 | Insuring Life's Risks: Health, Aging, and Policy | |
| ECON/ POP HLTH/ PUB AFFR 548 | The Economics of Health Care | |
| ECON 570 | Fundamentals of Data Analytics for Economists | |
| ECON 580 | Honors Tutorial in Research Project Design | |
| ECON 621 | Markets and Models | |
| ECON 623 | Population Economics | |
| ECON 661 | Issues in International Macroeconomics | |
| ECON 664 | Issues in International Trade | |
| ECON 666 | Issues in International Finance | |
| ECON 690 | Topics in Economics | |
| ECON 695 | Topics in Economic Data Analysis | |
| Electives | | 6-14 |
| <i>Complete any Core econ course not used above or one of these courses:</i> | | |
| ECON/ FINANCE 300 | Introduction to Finance | |
| ECON/ HIST SCI 305 | Development of Economic Thought | |
| ECON/A A E/ REAL EST/ URB R PL 306 | The Real Estate Process | |
| ECON 309 | Study Abroad in Intermediate Economics | |
| ECON 315 | Data Visualization for Economists | |
| ECON/ FINANCE 320 | Investment Theory | |
| ECON 321 | Sports Economics | |
| ECON 330 | Money and Banking | |
| ECON/A A E/ ENVIR ST 343 | Environmental Economics | |
| ECON 355 | The Economics of Growing-up and Getting Old | |
| ECON 364 | Survey of International Economics | |
| ECON 370 | Economics of Poverty and Inequality | |
| ECON/A A E 371 | Energy, Resources and Economics | |
| ECON 390 | Contemporary Economic Issues | |

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| ECON/REAL EST/ URB R PL 420 | Urban and Regional Economics |
| ECON/A A E 421 | Economic Decision Analysis |
| ECON/ENVIR ST/ POLI SCI/ URB R PL 449 | Government and Natural Resources |
| ECON/A A E/ INTL BUS 462 | Latin American Economic Development |
| ECON 465 | The American Economy to 1865 |
| ECON/ HISTORY 466 | The American Economy Since 1865 |
| ECON/A A E 473 | Economic Growth and Development in Southeast Asia |
| ECON/A A E 474 | Economic Problems of Developing Areas |
| ECON/A A E 477 | Agricultural and Economic Development in Africa |
| ECON/ PHILOS 524 | Philosophy and Economics |
| ECON/A A E 526 | Quantitative Methods in Agricultural and Applied Economics |
| ECON/A A E/ F&W ECOL 531 | Natural Resource Economics |
| ECON/REAL EST/ URB R PL 641 | Housing Economics and Policy |
| ECON/SOC 663 | Population and Society |
| ECON/A A E/ ENVIR ST/ URB R PL 671 | Energy Economics |
| Total Credits | 30 |

REQUIREMENTS FOR THE MATHEMATICAL EMPHASIS:

View as listView as grid

- ECONOMICS: MATHEMATICAL EMPHASIS ([HTTP://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/ECONOMICS/ECONOMICS-BA/ECONOMICS-MATHEMATICAL-EMPHASIS-BA/](http://guide.wisc.edu/undergraduate/letters-science/economics/economics-ba/economics-mathematical-emphasis-ba/))

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all ECON and major courses
- 2.000 GPA on 15 upper-level major credits taken in residence²
- 15 credits in ECON, taken on the UW–Madison campus

HONORS IN THE ECONOMICS MAJOR

To participate in Honors in the Economics Major, students must be declared in the Mathematical Emphasis option. For further information, see the Mathematical Emphasis requirements ([http://guide.wisc.edu/undergraduate/letters-science/economics/economics-ba/economics-](http://guide.wisc.edu/undergraduate/letters-science/economics/economics-ba/economics-mathematical-emphasis-ba/)

[mathematical-emphasis-ba/](http://guide.wisc.edu/undergraduate/letters-science/economics/economics-ba/economics-mathematical-emphasis-ba/)) and consult your Economics undergraduate advisor.

FOOTNOTES

1

At least two core ECON courses must be taken in residence at UW–Madison, and not via transfer or a UW–Madison Study Abroad program.

2

Intermediate and Advanced level ECON courses are Upper Level in the major.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

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