## **GLOBAL HEALTH, B.S.**

#### **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*.

General Education

- 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  $^{\ast}$
- \* 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 AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

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

# COLLEGE REQUIREMENTS FOR ALL CALS B.S. DEGREE PROGRAMS

Code	Title	Credits
Quality of W	Vork: Students must maintain a minimu	um

Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.

Residency: Students must complete 30 degree credits in residence at UW-Madison after earning 86 credits toward their undergraduate degree.

	te/agricul	p://guide.wisc.edu/ tural-life-sciences/ arCourses)	1
undergradua	te/agricul	nttp://guide.wisc.edu/ tural-life-sciences/ udiesCourses)	3
Physical Scie	nce Fund	amentals	4-5
CHEM 103	3	General Chemistry I	
or CHE	M 108	Chemistry in Our World	
or CHE	M 109	Advanced General Chemistry	
Biological Sc	ience		5
Additional So	cience (Bio	ological, Physical, or Natural)	3
Science Brea	dth (Biolo	ogical, Physical, Natural, or Social)	3
the requirem Requirement	ents for e s") (http:/	ing Experience: included in ach CALS major (see "Major //guide.wisc.edu/undergraduate/ es/#CALSCapstoneRequirement)	

#### **MAJOR REQUIREMENTS**

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Code	Title	Credits
Major Requ	irements Overview	
Fundamenta	l Courses	29
Core Course	s	15
Depth Cours	es	15
Capstone		3
Total Credi	ts	62

#### FUNDAMENTAL COURSES

FUNDAMENTAL COURSES			
C	ode	Title	Credits
F	undamental Cour	se Requirements	
$\sim$	lathematics: comple	ete one sequence (or satisfy through	5-6
p	lacement exam)		
	MATH 112	Algebra	
	& MATH 113	and Trigonometry	
	MATH 114	Algebra and Trigonometry	
	MATH 171	Calculus with Algebra and	
	& MATH 217	Trigonometry I	
		and Calculus with Algebra and	
		Trigonometry II	
S	tatistics: complete o	one course	3
	STAT 371	Introductory Applied Statistics for	
		the Life Sciences	
	STAT 240	Data Science Modeling I	
	STAT 301	Introduction to Statistical Methods	
G	eneral Chemistry: c	complete one sequence	5-10
	CHEM 103	General Chemistry I	
	& CHEM 104	and General Chemistry II	
	CHEM 109	Advanced General Chemistry	
	CHEM 115	Chemical Principles I	
	& CHEM 116	and Chemical Principles II	
Ir	troductory Biology:	complete one sequence	10

<b>Total Cred</b>	its		29-37
Group B	: complete	one course (see list below)	
Group A	: complete	one course (see list below)	
Global Hea	lth Introduc	ctory Social Sciences	6-8
& BIOCO	RE 381 DRE 382 DRE 383 DRE 384	Evolution, Ecology, and Genetics and Evolution, Ecology, and Genetics Laboratory and Cellular Biology and Cellular Biology Laboratory	
ZOOLOG BIOLOG & ZOOL BIOLOG & BOTAN BIOLOG	Y 101 OGY/ Y 102 NY/	Animal Biology and Animal Biology Laboratory and General Botany	
BIOLOG BOTANY ZOOLOG & BIOLOG BOTANY ZOOLOG	./ // GY 151 OGY/ //	Introductory Biology and Introductory Biology	

#### Social Science Group A

Code	Title	Credits
AFROAMER 151	Introduction to Contemporary Afro- American Society	3
AMER IND 100	Introduction to American Indian Studies	3
ANTHRO 265	Introduction to Culture and Health	3
GEN&WS 102	Gender, Women, and Society in Global Perspective	3
GEN&WS 103	Gender, Women, Bodies, and Health	3
GEN&WS 104	Gender, Sexuality, and Global Health	3
SOC 134	Sociology of Race & Ethnicity in the United States	3-4
SOC 170	Population Problems	3-4

#### Social Science Group B

Code	Title	Credits
A A E 215	Introduction to Agricultural and Applied Economics	4
A A E/ENVIR ST 244	The Environment and the Global Economy	4
AGROECOL/ AGRONOMY/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
GEOG 101	Introduction to Human Geography	4
GEOG/ ENVIR ST 139	Global Environmental Issues	3
INTL ST 101	Introduction to International Studies	3-4

LSC 212	Introduction to Scientific Communication	3
LSC 251	Science, Media and Society	3
MED HIST/ ANTHRO 231	Introduction to Social Medicine	3
PHILOS 241	Introductory Ethics	3-4
POLI SCI 272	Introduction to Public Policy	3-4
RELIG ST 102	Exploring Religion in Sickness and Health	3

#### **CORE COURSES**

Code	Title	Credits
Global Health Core	Course Requirements	
Gateway Core Requir	rement: complete one course	3
ENTOM/ ENVIRST 205	Our Planet, Our Health	
Public Health Core Re	equirement: complete one course	3
POP HLTH 370	Introduction to Public Health: Local to Global Perspectives	
ENTOM/ AGRONOMY/ NUTR SCI 203	Introduction to Global Health	
Food Systems and He	ealth Core Requirement: complete one	3
course		
AGRONOMY 377	Global Food Production and Health	
PL PATH 311	Global Food Security	
Environmental Health course	Core Requirement: complete one	3-4
A A E 352	Global Health: Economics, Natural Systems, and Policy	
HIST SCI/ ENVIR ST 213	Global Environmental Health: An Interdisciplinary Introduction	
Global Disease Biolog	gy and Epidemiology Core	3
Requirement: comple	te one course	
MICROBIO 345	Introduction to Disease Biology	
NUTR SCI 379	Introduction to Epidemiology	

#### **DEPTH COURSES**

**Total Credits** 

Complete a minimum of 15 credits of depth courses, with at least 9 credits from one category and at least 6 credits from the other categories.

NUTR SCI/INTER-AG 421 Global Health Field Experience can count for a maximum of 3 credits in the additional 6 credits from this requirement.

Note: Courses used as Depth courses cannot double count as either Core or Capstone courses.

15-16

### Public Health, Policy, and Development Depth Electives

Code	Title	Credits
A A E/INTL ST 373	Globalization, Poverty and Development	3
C&E SOC/SOC 533	Public Health in Rural & Urban Communities	3
CSCS 410	Human Trafficking: Global and Local Perspectives	3

CSCS 470	The Human Rights of Children and Youth: Global and Local Perspectives	3
CSCS 500	Global Health and Communities: From Research to Praxis	3
ECON/POP HLTH/ PUB AFFR 548	The Economics of Health Care	3-4
ED POL/ CURRIC 677	Education, Health and Sexuality: Global Perspectives and Policies	3
FRENCH 288	Doctors without Borders (Médecins Sans Frontières)	3
GEN&WS 525	Gender and Global Health in Critical Perspective	3
GEN&WS 534	Gender, Sexuality, and Reproduction: Public Health Perspectives	3
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
GEN&WS/ HIST SCI 537	Childbirth in the United States	3
GEOG 307	International Migration, Health, and Human Rights	3
HISTORY/ INTL ST 330	Global History of Humanitarianism	3-4
I SY E 417	Health Systems Engineering	3
LEGAL ST 473	Health Impacts of Unmet Social Needs	3
LSC/COM ARTS/ JOURN 617	Health Communication in the Information Age	3
LSC 625	Risk Communication	3
MED HIST/ PHILOS 505	Justice and Health Care	3
MED HIST/ HIST SCI 509	The Development of Public Health in America	3
MED HIST/ PHILOS 515	Public Health Ethics	3
MED HIST/ AFROAMER/ HIST SCI 523	Race, American Medicine and Public Health	3
MED HIST/ PHILOS 558	Ethical Issues in Health Care	3
MED HIST/HIST SCI/ HISTORY 564	Disease, Medicine and Public Health in the History of Latin America and the Caribbean	3
NUTR SCI 379	Introduction to Epidemiology	3
POP HLTH 370	Introduction to Public Health: Local to Global Perspectives	3
POP HLTH/ HIST SCI/ MED HIST 553	International Health and Global Society	3
PUB AFFR 520	Inequality, Race and Public Policy	3
RELIG ST 475	Religion, Global and Public Health	3
SOC/C&E SOC 343	Sociology of Health and Medicine	3
SOC/AMER IND/ C&E SOC 578	Poverty and Place	3

SOC/C&E SOC 630	Sociology of Developing Societies/	3
	Third World	

Food System	ns and Nutrition Depth Electives Title	Credits
A A E 319	The International Agricultural Economy	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
AGRONOMY/ HORT 338	Plant Breeding and Biotechnology	3
AGRONOMY 377	Global Food Production and Health	3
AN SCI/DY SCI 370	Livestock Production and Health in Agricultural Development	3
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
C&E SOC/SOC 341	Labor in Global Food Systems	3
DY SCI/ AGRONOMY 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 473	International Field Study in Animal Agriculture and Sustainable Development	2
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
HORT 350	Plants and Human Wellbeing	2
HORT/ AGRONOMY 360	Genetically Modified Crops: Science, Regulation & Controversy	2
HORT/ AGRONOMY 376	Tropical Horticultural Systems	2
HORT 380	Indigenous Foodways: Food and Seed Sovereignty	2
MED HIST/ AGRONOMY/ C&E SOC/ PHILOS 565	The Ethics of Modern Biotechnology	3
MICROBIO/ FOOD SCI 325	Food Microbiology	3
NUTR SCI 332	Human Nutritional Needs	3
NUTR SCI/A A E/ AGRONOMY 350	World Hunger and Malnutrition	3
NUTR SCI 377	Cultural Aspects of Food and Nutrition	3
NUTR SCI 431	Nutrition in the Life Span	3
NUTR SCI/ POP HLTH 621	Introduction to Nutritional Epidemiology	1
PL PATH 311	Global Food Security	3
SOIL SCI 301	General Soil Science	3

# Ecosystem Sustainability and Planetary Health Depth Electives

A A E/ECON/ ENVIR ST 343  A A E 352 Global Health: Economics, Natural Systems, and Policy  AGRONOMY/ Grassland Ecology Grassland Ecology Grassland Ecology 3 BOTANY/ SOIL SCI 370 BOTANY/ SOIL SCI 370 BOTANY/ SOIL SCI 370 General Ecology 4 F&W ECOL/ ZOOLOGY 460 BOTANY/ENVIR ST/ Engineering CIV ENGR/G L E 421 Environmental Sustainability Engineering CIV ENGR 423 Air Pollution Effects, Measurement and Control  C&E SOC/ENVIR ST/ C&E SOC/SOC 541 Environmental Stewardship and Social Justice ENVIR ST/ HILDS 441 ENVIR ST/ HILDS 441 ENVIR ST/ HILDS 441 ENVIR ST/ HISTORY 465 F&W ECOL/ EXTINCTION FOR EXTINCT Species  SOE GOG/ ENVIR ST 337 GEOG/ ENVIR ST 337 GEOG/ ENVIR ST 337 GEOG/ENVIR ST/ FW ECOL/ FW ECOL/ FW EVER 343 ENVIR ST 337 GEOG/ENVIR ST/ FW ECOL/ GLOBal Warming: Science and Impacts GEOG/ENVIR ST/ Remote Sensing GEOG/ENVIR ST/ FW ECOL/ GLE/GEOSCI/ LAND ARC 371 GEOG/CIV ENGR/ SOIL SCI 526 EATH Partnership Restoration Education: Indigenous Arts & Sciences LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education for Equity and Resilience  M&ENVTOX/ CIV ENGR/ SOULCS, Distribution, Fate, & Effects	Code	Title	Credits
Systems, and Policy  AGRONOMY/ Grassland Ecology 3  BOTANY/ SOIL SCI 370  BOTANY/ General Ecology 4  F&W ECOL/ ZOOLOGY 460  BOTANY/ENVIR ST/ Conservation Biology 7  F&W ECOL/ ZOOLOGY 651  CIV ENGR/G L E 421 Environmental Sustainability 8     Engineering 7  CIV ENGR 423 Air Pollution Effects, Measurement 9     and Control 8  C&E SOC/ENVIR ST/ Sociology of International 9  SOC 540 Development, Environment, and Sustainability 9  C&E SOC/SOC 541 Environmental Stewardship and 9  Social Justice 8  ENVIR ST/ Indigenous Peoples and the 4  AMER IND 306 Environment Environment History 3-4  HISTORY 465  F&W ECOL/ Extinction of Species 3  ENVIR ST/ Global Environmental History 3-4  HISTORY 465  F&W ECOL/ Extinction of Species 3  SOC 56/AIM OCN/ Global Warming: Science and 19  ENVIR ST 332 Impacts 32  GEOG/ Nature, Power and Society 3  ENVIR ST 339  GEOG/ENVIR ST/ Introduction to Environmental 3  GEOG/ENVIR ST/ Remote Sensing 4  GEOG/CIV ENGR/ An Introduction to Geographic 4  LAND ARC 360 Earth Partnership: Restoration 1  Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 1  Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 1  Education for Equity and Resilience 4  M&ENVTOX/ Toxicants in the Environment: 3  GUIV ENGR/ Sources, Distribution, Fate, &	A A E/ECON/		
BOTANY/ SOIL SCI 370  BOTANY/ F&W ECOL/ ZOOLOGY 460  BOTANY/ENVIR ST/ ZOOLOGY 651  CIV ENGR/G L E 421 Environmental Sustainability Engineering  CIV ENGR 423 Air Pollution Effects, Measurement and Control  C&E SOC/ENVIR ST/ Sociology of International SOC 540 Development, Environment, and Sustainability C&E SOC/SOC 541 Environmental Stewardship and Social Justice ENVIR ST/ HISTORY 465 F&W ECOL/ ENVIR ST/ HISTORY 465 F&W ECOL/ ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ ENVIR ST/ ENVIR ST/ ZOOLOGY 360  GEOG/ENVIR ST/ ENVIR ST 332  GEOG/ ENVIR ST 339  GEOG/ENVIR ST/ ENVIR ST 337  GEOG/ENVIR ST/ ENVIR ST 337  GEOG/ENVIR ST/ ENVIR ST 337  GEOG/ENVIR ST/ ENVIR ST 377  Introduction to Environmental  3 Remote Sensing  GEOG/ENVIR ST/ ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  GEOG/CIV ENGR/ ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  GEOG/CIV ENGR/ ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  GEOG/CIV ENGR/ ENVIR ST 377  Information Systems  ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  GEOG/CIV ENGR/ ENVIR ST 377  Information Systems  ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  ENVIR ST 377  GEOG/ENVIR ST/ ENVIR ST 377  Information Systems  ENVIR ST 377  Information Systems	A A E 352		4
F&W ECOL/ZOOLOGY 460 BOTANY/ENVIR ST/ Conservation Biology 3 F&W ECOL/ZOOLOGY 651  CIV ENGR/G L E 421 Environmental Sustainability Engineering CIV ENGR 423 Air Pollution Effects, Measurement and Control  C&E SOC/ENVIR ST/ Sociology of International SOC 540 Development, Environment, and Sustainability C&E SOC/SOC 541 Environmental Stewardship and Social Justice ENVIR ST/ Indigenous Peoples and the Environment ENVIR ST/ Environmental Ethics 3-4 PHILOS 441  ENVIR ST/ Global Environmental History 3-4 ENVIR ST/ HISTORY 465 F&W ECOL/ Extinction of Species 3 ENVIR ST 332 Impacts GEOG/ATM OCN/ Global Warming: Science and Impacts GEOG/ENVIR ST 337  GEOG/ENVIR ST 339 GEOG/ENVIR ST/ Remote Sensing GEOG/ENVIR ST/ Introduction to Environmental 3 GEOG/ENVIR ST/ Remote Sensing GEOG/CIV ENGR/ An Introduction to Geographic Application of Species Surface Processes LAND ARC 360 Earth Partnership Restoration Education: Indigenous Arts & Sciences LAND ARC 363 Earth Partnership: Restoration Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3 GENERAL Sources, Distribution, Fate, &	BOTANY/	Grassland Ecology	3
F&W ECOL/ ZOOLOGY 651  CIV ENGR/G L E 421 Environmental Sustainability Engineering  CIV ENGR 423 Air Pollution Effects, Measurement and Control  C&E SOC/ENVIR ST/ Sociology of International SOC 540 Development, Environment, and Sustainability  C&E SOC/SOC 541 Environmental Stewardship and Social Justice  ENVIR ST/ Indigenous Peoples and the Environment ENVIR ST/ Environmental Ethics 3-4  HISTORY 465  F&W ECOL/ Extinction of Species 3  ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ Global Warming: Science and Impacts  GEOG/ Environmental Conservation Environmental Conservation Envir ST 332  GEOG/ Environmental Conservation Environmental Remote Sensing  GEOG/ENVIR ST/ Introduction to Environmental Sensing  GEOG/ENVIR ST/ Introduction to Environmental Sensing  GEOG/CIV ENGR/ Environmental Conservation Envir ST 339  GEOG/CIV ENGR/ An Introduction to Geographic Envir ST 377 Information Systems  GEOG/ Human Transformations of Earth Soll Sciences  LAND ARC 360 Earth Partnership Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  M&ENVTOX/ Toxicants in the Environment: 3  GIV ENGR/ Sources, Distribution, Fate, &	F&W ECOL/	General Ecology	4
Engineering  CIV ENGR 423 Air Pollution Effects, Measurement and Control  C&E SOC/ENVIR ST/ Sociology of International 3  SOC 540 Development, Environment, and Sustainability  C&E SOC/SOC 541 Environmental Stewardship and Social Justice  ENVIR ST/ Indigenous Peoples and the AMER IND 306 Environment  ENVIR ST/ Environmental Ethics 3-4  PHILOS 441 ENVIR ST/ Global Environmental History 3-4  HISTORY 465 Extinction of Species 3  ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ Global Warming: Science and Impacts  GEOG/ Nature, Power and Society 3  ENVIR ST 332 Impacts  GEOG/ Environmental Conservation 4  ENVIR ST 339  GEOG/ENVIR ST/ Remote Sensing  GEOG/ENVIR ST/ Introduction to Environmental 3  Remote Sensing  GEOG/CIV ENGR/ An Introduction to Geographic Information Systems  GEOG/ Human Transformations of Earth 3  SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1  Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 2  M&ENVTOX/ Toxicants in the Environment: 3  CIV ENGR/ Sources, Distribution, Fate, &	F&W ECOL/	Conservation Biology	3
and Control  C&E SOC/ENVIR ST/ Sociology of International 3  SOC 540 Development, Environment, and Sustainability  C&E SOC/SOC 541 Environmental Stewardship and Social Justice  ENVIR ST/ Indigenous Peoples and the AMER IND 306 Environment  ENVIR ST/ Environmental Ethics 3-4  ENVIR ST/ Global Environmental History 3-4  HISTORY 465  F&W ECOL/ Extinction of Species 3  ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ Global Warming: Science and Impacts  ENVIR ST 332 Impacts  GEOG/ Nature, Power and Society 3  ENVIR ST 339  GEOG/ENVIR ST Introduction to Environmental 3  F&W ECOL/ Remote Sensing  GEOG/CIV ENGR/ Environmental Conservation 4  ENVIR ST 377 Information Systems  GEOG/ Human Transformations of Earth 3  SOIL SCI 526 Surface Processes  LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration Education: Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3  EVENTAGE TOX	CIV ENGR/G L E 421		3
SOC 540  Development, Environment, and Sustainability  C&E SOC/SOC 541  Environmental Stewardship and Social Justice  ENVIR ST/ Indigenous Peoples and the AMER IND 306  Environment  ENVIR ST/ Environmental Ethics 3-4  PHILOS 441  ENVIR ST/ Global Environmental History 3-4  HISTORY 465  F&W ECOL/ Extinction of Species 3  ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ Global Warming: Science and Impacts  GEOG/ Nature, Power and Society 3  ENVIR ST 332  GEOG/ Environmental Conservation 4  ENVIR ST 339  GEOG/ENVIR ST/ Introduction to Environmental 3  Remote Sensing  GEOG/CIV ENGR/ An Introduction to Geographic 4  ENVIR ST 377  GEOG/ Human Transformations of Earth 3  SOIL SCI 526  LAND ARC 360  Earth Partnership Restoration 1  Education: Indigenous Arts & Sciences  LAND ARC 363  Earth Partnership: Restoration 2  Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3  CIV ENGR/ Sources, Distribution, Fate, &	CIV ENGR 423		3
ENVIR ST/ Indigenous Peoples and the AMER IND 306 Environment ENVIR ST/ Environmental Ethics 3-4 ENVIR ST/ Environmental Ethics 3-4 ENVIR ST/ Global Environmental History 3-4 HISTORY 465 F&W ECOL/ Extinction of Species 3 ENVIR ST/ ZOOLOGY 360 GEOG/ATM OCN/ Global Warming: Science and 3 ENVIR ST 332 Impacts GEOG/ Nature, Power and Society 3 ENVIR ST 337 GEOG/ Environmental Conservation 4 ENVIR ST 339 GEOG/ENVIR ST/ Introduction to Environmental 3 F&W ECOL/ Remote Sensing GEOG/CIV ENGR/ An Introduction to Geographic 4 ENVIR ST 377 GEOG/ Human Transformations of Earth 3 SOIL SCI 526 Surface Processes LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences LAND ARC 363 Earth Partnership: Restoration 2 Education for Equity and Resilience M&ENVTOX/ Toxicants in the Environment: 3 CIV ENGR/ Sources, Distribution, Fate, &		Development, Environment, and	3
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PHILOS 441  ENVIR ST/ HISTORY 465  F&W ECOL/ Extinction of Species  3  ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ Global Warming: Science and ENVIR ST 332  Impacts  GEOG/ ENVIR ST 337  GEOG/ Environmental Conservation 4  ENVIR ST 339  GEOG/ENVIR ST/ Introduction to Environmental 3  F&W ECOL/ G L E/GEOSCI/ LAND ARC 371  GEOG/ Human Transformations of Earth SOIL SCI 526  LAND ARC 360  Earth Partnership Restoration Education: Indigenous Arts & Sciences  LAND ARC 363  Earth Partnership: Restoration Education for Equity and Resilience  M&ENVTOX/ CIV ENGR/ Sources, Distribution, Fate, &	,		3
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ENVIR ST/ ZOOLOGY 360  GEOG/ATM OCN/ Global Warming: Science and ENVIR ST 332 Impacts  GEOG/ Nature, Power and Society 3 ENVIR ST 337  GEOG/ Environmental Conservation 4 ENVIR ST 339  GEOG/ENVIR ST/ Introduction to Environmental 3 F&W ECOL/ Remote Sensing  G L E/GEOSCI/ LAND ARC 371  GEOG/CIV ENGR/ An Introduction to Geographic 4 ENVIR ST 377 Information Systems  GEOG/ Human Transformations of Earth 3 SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 2 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3 CIV ENGR/ Sources, Distribution, Fate, &	· ·	Global Environmental History	3-4
ENVIR ST 332 Impacts  GEOG/ Nature, Power and Society 3 ENVIR ST 337  GEOG/ Environmental Conservation 4 ENVIR ST 339  GEOG/ENVIR ST/ Introduction to Environmental 3 F&W ECOL/ Remote Sensing 6 G L E/GEOSCI/ LAND ARC 371  GEOG/CIV ENGR/ An Introduction to Geographic 4 ENVIR ST 377 Information Systems  GEOG/ Human Transformations of Earth 3 SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 3 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3 CIV ENGR/ Sources, Distribution, Fate, &	ENVIR ST/	Extinction of Species	3
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ENVIR ST 339  GEOG/ENVIR ST/ Introduction to Environmental 3  F&W ECOL/ Remote Sensing  G L E/GEOSCI/ LAND ARC 371  GEOG/CIV ENGR/ An Introduction to Geographic 4 ENVIR ST 377 Information Systems  GEOG/ Human Transformations of Earth 3  SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 3 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3  CIV ENGR/ Sources, Distribution, Fate, &	,	Nature, Power and Society	3
F&W ECOL/ G L E/GEOSCI/ LAND ARC 371  GEOG/CIV ENGR/ An Introduction to Geographic 4 ENVIR ST 377 Information Systems  GEOG/ Human Transformations of Earth 3 SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 3 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3 CIV ENGR/ Sources, Distribution, Fate, &	· · · · · · · · · · · · · · · · · · ·	Environmental Conservation	4
ENVIR ST 377 Information Systems  GEOG/ Human Transformations of Earth 3  SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 3 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3  CIV ENGR/ Sources, Distribution, Fate, &	F&W ECOL/ G L E/GEOSCI/		3
SOIL SCI 526 Surface Processes  LAND ARC 360 Earth Partnership Restoration 1 Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 3 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3 CIV ENGR/ Sources, Distribution, Fate, &	, ,		4
Education: Indigenous Arts & Sciences  LAND ARC 363 Earth Partnership: Restoration 3 Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3 CIV ENGR/ Sources, Distribution, Fate, &	,		3
Education for Equity and Resilience  M&ENVTOX/ Toxicants in the Environment: 3  CIV ENGR/ Sources, Distribution, Fate, &	LAND ARC 360	Education: Indigenous Arts &	1
CIV ENGR/ Sources, Distribution, Fate, &	LAND ARC 363		3
	CIV ENGR/	Sources, Distribution, Fate, &	3

M&ENVTOX/ AGRONOMY/ ENTOM/ F&W ECOL 632	Ecotoxicology: The Chemical Players	1
M&ENVTOX/ AGRONOMY/ ENTOM/ F&W ECOL 633	Ecotoxicology: Impacts on Individuals	1
M&ENVTOX/ AGRONOMY/ ENTOM/ F&W ECOL 634	Ecotoxicology: Impacts on Populations, Communities and Ecosystems	1
MICROBIO/ SOIL SCI 425	Environmental Microbiology	3
POP HLTH/ ENVIR ST 471	Introduction to Environmental Health	3
POP HLTH/ ENVIR ST 502	Air Pollution and Human Health	3
SOIL SCI/ PL PATH 323	Soil Biology	3
SOIL SCI/ ENVIR ST 324	Soils and Environmental Quality	3
URB R PL 550	Transportation and the Built Environment	3

**Disease Biology Depth Electives** 

Code	Title	Credits
ANAT&PHY 335	Physiology	5
ANAT&PHY 435	Fundamentals of Human Physiology	5
AN SCI/DY SCI 320	Animal Health and Disease	3
BIOCHEM 301	Survey of Biochemistry	3
BIOCHEM 501	Introduction to Biochemistry	3
BIOCORE 485	Principles of Physiology	3
BIOCORE 486	Principles of Physiology Laboratory	2
BIOCORE 587	Biological Interactions	3
ENTOM/ ZOOLOGY 371	Medical Entomology	3
GENETICS 466	Principles of Genetics	3
GENETICS 548	The Genomic Revolution	3
GENETICS/ MD GENET 565	Human Genetics	3
M M & I 301	Pathogenic Bacteriology	2
M M & I 341	Immunology	3
M M & I/PATH- BIO 528	Immunology	3
M M & I 554	Emerging Infectious Diseases and Bioterrorism	2
M M & I/ BIOCHEM 575	Biology of Viruses	2
MICROBIO 303	Biology of Microorganisms	3
MICROBIO 304	Biology of Microorganisms Laboratory	2
MICROBIO 330	Host-Parasite Interactions	3
MICROBIO/AN SCI/ BOTANY 335	The Microbiome of Plants, Animals, and Humans	3
MICROBIO 345	Introduction to Disease Biology	3

	M&ENVTOX/ ONCOLOGY/ PHM SCI/PHMCOL- M/POP HLTH 625	Toxicology I	3
	M&ENVTOX/PATH/ PHM SCI/PHMCOL- M/POP HLTH 626	Toxicology II	3
	PATH 404	Pathophysiologic Principles of Human Diseases	3
	PATH-BIO/ ENTOM/M M & I/ ZOOLOGY 350	Parasitology	3
	POP HLTH/ M M & I 603	Clinical and Public Health Microbiology	5

#### **CAPSTONE**

Code

		11414	0.04.05
	Global Health Caps option)	tone Requirement (complete one	3
	ENTOM 570	Systems Thinking in Global Health	
	BIOCORE 587	Biological Interactions	
	C&E SOC/ SOC 533	Public Health in Rural & Urban Communities	
	CSCS 500	Global Health and Communities: From Research to Praxis	
	DY SCI/ AGRONOMY 471	Food Production Systems and Sustainability	
	GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	

Credits

#### **UNIVERSITY DEGREE REQUIREMENTS**

Title

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 Undergraduate students must maintain the minimum grade Work 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.