

ENVIRONMENTAL STUDIES MAJOR

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.

SCHOOL/COLLEGE REQUIREMENTS

The Environmental Studies major is always paired with another major. Please refer to the School/College degree requirements of the other major to learn about degree requirements or consult an advisor.

REQUIREMENTS FOR THE MAJOR

The environmental studies major provides students with an academically rigorous course sequence that encompasses introductory through advanced understandings of the interdisciplinary field of environmental studies. Students must have a declared primary major, and are allowed to apply a portion of course work from that major for the environmental studies major, making it possible to complete their degree within four years.

- **30 credits in the major as defined below.**
- Declare and complete a primary major. **Students must have a primary major declared before reaching senior standing (86 credits) or the environmental studies major may be canceled.**

- At least 15 credits taken for the environmental studies major must be distinct, and not also meeting minimum requirements in another major.
- Students outside the College of Letters & Science may have to meet additional overlap requirements.

FOUNDATION (12 CREDITS)

One course from each of the following four areas. Courses applied to Foundation cannot also be used in Theme or Capstone.

Environmental Humanities (3 credits)

Code	Title	Credits
ENVIR ST 113	Environmental Studies: Environmental Humanities	3
ENVIR ST/HIST SCI/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3
ENVIR ST/ART HIST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4
HISTORY/ENVIR ST/ GEOG 460	American Environmental History	4
ENVIR ST/ HISTORY 465	Global Environmental History	3-4
ENVIR ST/ CLASSICS 488	Greeks, Romans and the Natural Environment	3

Environmental Social Science (3 credits)

Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST/ GEOG 139	Global Environmental Issues	3
ENVIR ST/A A E 244	The Environment and the Global Economy	4
ENVIR ST/ GEOG 339	Environmental Conservation	4
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

Environmental Physical Science (3 credits)

Code	Title	Credits
ENVIR ST/ GEOSCI 106	Environmental Geology	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/GEOG 127	Physical Systems of the Environment	4
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3
ENVIR ST/ILS 255	Introduction to Sustainability Science	4

ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3	AGRONOMY/ BOTANY/ SOIL SCI 370	Grassland Ecology	3
ENVIR ST/ ATM OCN/GEOG/ GEOSCI 335	Climatic Environments of the Past	3	AGRONOMY/ ATM OCN/ SOIL SCI 532	Environmental Biophysics	3
ATM OCN 100	Weather and Climate	3	AGRONOMY/ ENTOM/F&W ECOL/ M&ENVTOX 634	Ecotoxicology: Impacts on Populations, Communities and Ecosystems	1
ATM OCN 101	Weather and Climate	4	AN SCI/F&W ECOL/ ZOOLOGY 520	Ornithology	3
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	3	AN SCI/F&W ECOL/ ZOOLOGY 521	Birds of Southern Wisconsin	3
SOIL SCI 301	General Soil Science	3	ANTHRO/BOTANY/ ZOOLOGY 410	Evolutionary Biology	3
PHYSICS 115	Energy and Climate	3	BIOCORE 181	Becoming a Scientist: Doing Biology Research	2

Environmental Ecology (3 credits)

Code	Title	Credits	Code	Title	Credits
ENVIR ST 251	Ecology and the Global Environment	3	BOTANY 240	Plants and Humans	3
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3	BOTANY/GEOG 338	Environmental Biogeography	3
ENVIR ST 413	Preserving Nature	3	BOTANY 401	Vascular Flora of Wisconsin	4
BOTANY 240	Plants and Humans	3	BOTANY/ F&W ECOL/ ZOOLOGY 460	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4	BOTANY 422	Plant Geography	3
GEOSCI 110	Evolution and Extinction	4	BOTANY/ ZOOLOGY 450	Midwestern Ecological Issues: A Case Study Approach	2
F&W ECOL 401	Physiological Animal Ecology	3	BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
F&W ECOL 550	Forest Ecology	3	BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4

THEME (15 CREDITS)

Five courses and 15 credits from any of the areas below. Courses may be concentrated in one area or distributed across multiple areas. Courses applied to the thematic areas cannot also be used in Foundation or Capstone.

Biodiversity

Code	Title	Credits	Code	Title	Credits
ENVIR ST/ F&W ECOL 100	Forests of the World	3	ENTOM/ ZOOLOGY 302	Introduction to Entomology	4
ENVIR ST/ ENTOM 201	Insects and Human Culture—a Survey Course in Entomology	3	ENTOM 490	Biodiversity and Global Change	3
ENVIR ST 251	Ecology and the Global Environment	3	F&W ECOL 110	Living with Wildlife - Animals, Habitats, and Human Interactions	3
ENVIR ST/BOTANY/ ZOOLOGY 260	Introductory Ecology	3	F&W ECOL 401	Physiological Animal Ecology	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3	F&W ECOL 448	Disturbance Ecology	3
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3	F&W ECOL/ SURG SCI 548	Diseases of Wildlife	3
ENVIR ST 375	Field Ecology Workshop	3	F&W ECOL 550	Forest Ecology	3
ENVIR ST 413	Preserving Nature	3	F&W ECOL 551	Forest Ecology Lab	1
ENVIR ST/C&E SOC/ GEOG 434	People, Wildlife and Landscapes	3	GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
ENVIR ST 613	Reproducibility Crises and Open Science in Environmental Studies	3	GEOSCI 110	Evolution and Extinction	4
ENVIR ST/BOTANY/ F&W ECOL/ ZOOLOGY 651	Conservation Biology	3			

Climate

Code	Title	Credits
ENVIR ST/ ATM OCN/ GEOSCI 102	Climate and Climate Change	3
ENVIR ST/ ATM OCN 171	Global Change: Atmospheric Issues and Problems	2-3

ENVIR ST/ ATM OCN/ GEOG 322	Polar Regions and Their Importance in the Global Environment	3
ENVIR ST/ ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
ENVIR ST/ ATM OCN/GEOG/ GEOSCI 335	Climatic Environments of the Past	3
ENVIR ST 349	Climate Change Governance	3
ENVIR ST/ ATM OCN 355	Introduction to Air Quality	3
ENVIR ST/ PHYSICS 472	Scientific Background to Global Environmental Problems	3
ENVIR ST/ ATM OCN 520	Bioclimatology	3
ENVIR ST/ ATM OCN 535	Atmospheric Dispersion and Air Pollution	3
A A E 246	Climate Change Economics and Policy	3
ATM OCN 100	Weather and Climate	3
ATM OCN 101	Weather and Climate	4
ATM OCN 425	Global Climate Processes	3
ATM OCN 522	Tropical Meteorology	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
ED POL 320	Climate Change, Sustainability, and Education	3
GEOG/GEOSCI 420	Glacial and Pleistocene Geology	3
GEOG 523	Advanced Paleocology: Species Responses to Past Environmental Change	3
M E 466		3
SOIL SCI 211	Soils and Climate Change	2

Energy

Code	Title	Credits
ENVIR ST/BSE 367	Renewable Energy Systems	3
ENVIR ST/ GEOSCI 411	Energy Resources	3
ENVIR ST/ ATM OCN 535	Atmospheric Dispersion and Air Pollution	3
ENVIR ST/A A E/ CIV ENGR/ URB R PL 561	Energy Markets	3
ENVIR ST/A A E/ ECON/URB R PL 671	Energy Economics	3
A A E/ECON 371	Energy, Resources and Economics	3
BSE 460	Biorefining: Energy and Products from Renewable Resources	3
CIV ENGR/ G L E 535	Wind Energy Balance-of-Plant Design	3
E C E 356	Electric Power Processing for Alternative Energy Systems	3
M E 461	Thermal Systems Modeling	3

M E 466		3
PHYSICS 115	Energy and Climate	3

Food and Agriculture

Code	Title	Credits
ENVIR ST/ AGROECOL/ AGRONOMY/ C&E SOC/ ENTOM 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
ENVIR ST 117		1
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
A A E/C&E SOC/ SOC 340	Issues in Food Systems	3-4
A A E/AGRONOMY/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E/AGRONOMY/ HORT/PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
AGROECOL 303	Agroecological Systems: Working Towards Sustainability	3
AGRONOMY 300	Cropping Systems	3
AGRONOMY/ HORT 376	Tropical Horticultural Systems	2
AGRONOMY 377	Global Food Production and Health	3
C&E SOC/SOC 222	Food, Culture, and Society	3
C&E SOC/SOC 650	Sociology of Agriculture	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3
FOLKLORE 439	Foodways	3
FOOD SCI 120	Science of Food	3
HORT 370	World Vegetable Crops	3
MED HIST/ PHILOS 344	Food Ethics	3
NUTR SCI 132	Nutrition Today	3
SOIL SCI 211	Soils and Climate Change	2

Health

Code	Title	Credits
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ HIST SCI 213	Global Environmental Health: An Interdisciplinary Introduction	3
ENVIR ST/ POP HLTH 471	Introduction to Environmental Health	3
ENVIR ST/ POP HLTH 502	Air Pollution and Human Health	3
A A E/AGRONOMY/ NUTR SCI 350	World Hunger and Malnutrition	3
AGRONOMY/ ENTOM/F&W ECOL/ M&ENVTOX 632	Ecotoxicology: The Chemical Players	1
AGRONOMY/ ENTOM/F&W ECOL/ M&ENVTOX 633	Ecotoxicology: Impacts on Individuals	1

AGRONOMY/ ENTOM/F&W ECOL/ M&ENVTOX 634	Ecotoxicology: Impacts on Populations, Communities and Ecosystems	1	ENVIR ST/ HIST SCI 353	History of Ecology	3
C&E SOC/ POP HLTH 370	Introduction to Public Health	3	ENVIR ST/HIST SCI/ RELIG ST 356	Islam, Science & Technology, and the Environment	3-4
CIV ENGR 422	Elements of Public Health Engineering	3	ENVIR ST/ HISTORY 369	Thinking through History with Animals	3-4
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3	ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3	ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3	ENVIR ST/ SPANISH 445	Culture and the Environment in the Luso-Hispanic World	3
HIST SCI/MED HIST/ POP HLTH 553	International Health and Global Society	3	ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4
M E 466		3	ENVIR ST/ HISTORY 465	Global Environmental History	3-4
SOIL SCI 430	Environmental Soil Contamination	3	ENVIR ST/ CLASSICS 488	Greeks, Romans and the Natural Environment	3

History, Culture, Society

Code	Title	Credits	Code	Title	Credits
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3	ENVIR ST/ ENGL 533	Topic in Literature and the Environment	3
ENVIR ST 113	Environmental Studies: Environmental Humanities	3	ENVIR ST/ GEOG 537	Culture and Environment	4
ENVIR ST/HIST SCI/ HISTORY 125	Green Screen: Environmental Perspectives through Film	3	ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3
ENVIR ST/ILS 126	Principles of Environmental Science	4	AMER IND/ HISTORY 190	Introduction to American Indian History	3-4
ENVIR ST/ GEOG 139	Global Environmental Issues	3	AMER IND/ GEOG 410	Critical Indigenous Ecological Knowledges	3
ENVIR ST/ENGL 153	Literature and the Environment	3	AMER IND 444		3
ENVIR ST/GNS 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3	ANTHRO 477	Anthropology, Environment, and Development	3
ENVIR ST/ART HIST/ GEOG/HISTORY/ LAND ARC 239	Making the American Landscape	3-4	BOTANY/ F&W ECOL/ ZOOLOGY 672	Historical Ecology	2
ENVIR ST/ RELIG ST 270	The Environment: Religion & Ethics	3-4	C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3	C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
ENVIR ST/ AMER IND 306	Indigenous Peoples and the Environment	3	CHICLA/ HISTORY 151	The North American West to 1850	3-4
ENVIR ST 307	Literature of the Environment: Speaking for Nature	3	CLASSICS 103	Nature, Race, and Human Difference	3
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	3	ED POL 320	Climate Change, Sustainability, and Education	3
ENVIR ST 317	Community Environmental Scholars Program Seminar	1	F&W ECOL/ ZOOLOGY 335	Human/Animal Relationships: Biological and Philosophical Issues	3
ENVIR ST/ HISTORY 328	Environmental History of Europe	3	LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1
ENVIR ST/ GEOG 337	Nature, Power and Society	3			
ENVIR ST/ GEOG 339	Environmental Conservation	4			
ENVIR ST/ AMER IND 341	Indigenous Environmental Communicators	3			

Land Use

Code	Title	Credits
ENVIR ST/ GEOSCI 106	Environmental Geology	3
ENVIR ST/ GEOG 120	Introduction to the Earth System	3

ENVIR ST/GEOG 127	Physical Systems of the Environment	4	GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development	4
ENVIR ST/GEOG/ SOIL SCI 230	Soil: Ecosystem and Resource	3	LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	3
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3	LAND ARC 211	Shaping the Built Environment	3
ENVIR ST/ SOIL SCI 324	Soils and Environmental Quality	3	LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
ENVIR ST/ GEOG 333	Green Urbanism	3	LAND ARC 373	Mindfulness in Restorative Environments	3
ENVIR ST/ GEOG 337	Nature, Power and Society	3	LAND ARC 380	Plants for Ecological Design I	2
ENVIR ST/ GEOG 339	Environmental Conservation	4	LAND ARC 381	Plants for Ecological Design II	1
ENVIR ST/C&E SOC/ GEOG 434	People, Wildlife and Landscapes	3	LAND ARC/ URB R PL 463	Evolution of American Planning	3
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4	LAND ARC 511	Geodesign Methods and Applications	3
ENVIR ST/GEOG/ HISTORY 460	American Environmental History	4	LAND ARC 668	Restoration Ecology	3
ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3	LAND ARC 677	Cultural Resource Preservation and Landscape History	3
ENVIR ST/ GEOG 537	Culture and Environment	4	SOIL SCI 301	General Soil Science	3
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3	SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3	SOIL SCI 430	Environmental Soil Contamination	3
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation	3	URB R PL 601	Site Planning	3
ENVIR ST/BOTANY/ F&W ECOL/ ZOOLOGY 651	Conservation Biology	3	Policy		
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3	Code	Title	Credits
A A E/ECON/ REAL EST/ URB R PL 306	The Real Estate Process	3	ENVIR ST/A A E 244	The Environment and the Global Economy	4
AMER IND 444		3	ENVIR ST/ ENGL 305	Rhetoric, Science, and Public Engagement	3
BOTANY/GEOG 338	Environmental Biogeography	3	ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
CNSR SCI 360	Sustainable and Socially Just Consumption	3	ENVIR ST/ GEOG 339	Environmental Conservation	4
ECON/REAL EST/ URB R PL 420	Urban and Regional Economics	3	ENVIR ST/A A E/ ECON 343	Environmental Economics	3-4
F&W ECOL 410	Principles of Silviculture	3	ENVIR ST/ AMER IND/ GEOG 345	Caring for Nature in Native North America	3
F&W ECOL/ SOIL SCI 451	Environmental Biogeochemistry	3	ENVIR ST 349	Climate Change Governance	3
GEOG/ URB R PL 305	Introduction to the City	3-4	ENVIR ST/C&E SOC/ CURRIC 405	Education for Sustainable Communities	3
GEOG 344	Changing Landscapes of the American West	3	ENVIR ST 417	Sustainability Science, Technology and Policy	1
GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3	ENVIR ST/HISTORY/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
			ENVIR ST/ GEOG 439	US Environmental Policy and Regulation	3-4
			ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
			ENVIR ST/ F&W ECOL 515	Natural Resources Policy	3
			ENVIR ST/ PHILOS 523	Philosophical Problems of the Biological Sciences	3

ENVIR ST/ GEOG 534	Environmental Governance: Markets, States and Nature	3	ENVIR ST/ CIV ENGR/G L E/ GEOSCI 444	Practical Applications of GPS Surveying	2
ENVIR ST/C&E SOC/ SOC 540	Sociology of International Development, Environment, and Sustainability	3	ENVIR ST/GEOG/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	3
ENVIR ST/ GEOG 557	Development and Environment in Southeast Asia	3	ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3
ENVIR ST 613	Reproducibility Crises and Open Science in Environmental Studies	3	GEOG 379	Geospatial Technologies: Drones, Sensors, and Applications	3
ENVIR ST/ URB R PL 668	Green Politics: Global Experience, American Prospects	3	GEOG/ URB R PL 505	Urban Spatial Patterns and Theories	3
A A E/INTL ST 373	Globalization, Poverty and Development	3	LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	2
A A E/ECON 474	Economic Problems of Developing Areas	3	LAND ARC 511	Geodesign Methods and Applications	3
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3			
AMER IND 444		3			
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3			
C&E SOC/SOC 573	Community Organization and Change	3			
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3			
CIV ENGR 522	Hazardous Waste Management	3			
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3			
ECON 370	Economics of Poverty and Inequality	3			
ECON/SOC 663	Population and Society	3			
F&W ECOL 410	Principles of Silviculture	3			
M E 466					
M H R 310	Challenges & Solutions in Business Sustainability	3			
OTM 370	Sustainable Approaches to System Improvement	3			
POLI SCI 272	Introduction to Public Policy	3-4			
PUB AFFR 366	U.S. Environmental Politics and Public Policy	3			
R M I 650	Sustainability, Environmental and Social Risk Management	2-3			
REAL EST 651	Green - Sustainable Development	3			
URB R PL 215	Welcome to Your Urban Future	3			
URB R PL 551	Climate Action Planning: Sustainable Transportation	3			

Geospatial Analysis

Code	Title	Credits
ENVIR ST/ F&W ECOL/G L E/ GEOG/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	3
ENVIR ST/ CIV ENGR/ GEOG 377	An Introduction to Geographic Information Systems	4

Water

Code	Title	Credits
ENVIR ST/ ZOOLOGY 315	Limnology-Conservation of Aquatic Resources	2
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST/ ZOOLOGY 510	Ecology of Fishes	3
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
ATM OCN/ GEOSCI 105	Survey of Oceanography	3-4
ATM OCN/ SOIL SCI 132	Earth's Water: Natural Science and Human Use	3
BSE 473	Water Management Systems	3
CIV ENGR 311	Hydroscience	3
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 322	Environmental Engineering Processes	3
G L E/GEOSCI 627	Hydrogeology	3-4
G L E/GEOSCI 629	Contaminant Hydrogeology	3
ZOOLOGY 316	Laboratory for Limnology- Conservation of Aquatic Resources	2-3

Multi-thematic

Code	Title	Credits
ENVIR ST/ SOIL SCI 101	Forum on the Environment	1-2
ENVIR ST 202	Careers in the Environment	2
ENVIR ST 203	Special Topics in Environmental Studies	1-3
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment	3
ENVIR ST 398	Independent Study: Sustainability Community Engagement	1
ENVIR ST 400	Special Topics in the Environment: Biological Aspects of Envir St	1-4

ENVIR ST 401	Special Topics: Environmental Perspectives in the Physical Sciences	1-4	LAND ARC/ AMER IND 106	Earth Partnership Indigenous Arts and Sciences	3
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies	1-4	LAND ARC 360	Earth Partnership Restoration Education: Indigenous Arts & Sciences	1
ENVIR ST 403	Special Topics in Environmental Studies	1-3	LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	3
ENVIR ST 404	Special Topics in Environmental Humanities	1-3	LAND ARC 373	Mindfulness in Restorative Environments	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3	LAND ARC 668	Restoration Ecology	3
			SOIL SCI 302	Meet Your Soil: Soil Analysis and Interpretation Laboratory	1
			ZOOLOGY 316	Laboratory for Limnology-Conservation of Aquatic Resources	2-3

BEYOND THE CLASSROOM EXPERIENCE

The Beyond the Classroom experience in the Environmental Studies major can be met in one of the following ways:

- A course from the list below. Courses used to meet the Beyond the Classroom experience requirement may also be used in other areas of the curriculum.
- Participation in an environmental study abroad program where 50% or more of the contact hours are in an out-of-doors situation (see your advisor)
- Participation in an environmental internship or similar experience where 50% or more of the contact hours are in an out-of-doors situation (field form summary **must** be submitted)

Beyond the Classroom experiences are expected to include one or more of the following: data gathering, reflective out-of-classroom experience, practical application, performance/creation related to environment, outdoor experiences, community engagement/service. The Beyond the Classroom experience gives students practice in an outward-facing application of environmental studies and sustainability.

Code	Title	Credits
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/GEOG 127	Physical Systems of the Environment	4
ENVIR ST/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/ LAND ARC 361	Wetlands Ecology	3
ENVIR ST 375	Field Ecology Workshop	3
ENVIR ST 398	Independent Study: Sustainability Community Engagement	1
ENVIR ST/ CIV ENGR/G L E/ GEOSCI 444	Practical Applications of GPS Surveying	2
ENVIR ST/ ZOOLOGY 511	Ecology of Fishes Lab	2
ENVIR ST/ LAND ARC 581	Prescribed Fire: Ecology and Implementation	3
BOTANY/ F&W ECOL 402	Dendrology: Woody Plant Identification and Ecology	3
BOTANY/ F&W ECOL 455	The Vegetation of Wisconsin	4
BOTANY/ F&W ECOL/ ZOOLOGY 460	General Ecology	4
F&W ECOL 551	Forest Ecology Lab	1

CAPSTONE REQUIREMENT (3 CREDITS)

3 credits from:

Code	Title	Credits
A A E/ F&W ECOL 652	Decision Methods for Natural Resource Managers	3
ENVIR ST/ SOIL SCI 575	Assessment of Environmental Impact	3
ENVIR ST 600	Environmental Studies Capstone	3

RESIDENCE & QUALITY OF WORK IN THE MAJOR

- 2.000 GPA in all ENVIR ST courses and courses in the major
- 2.000 GPA on 15 upper-level major credits, taken in Residence. Intermediate and Advanced level courses in the major are considered upper level.
- 15 credits in ENVIR ST or in the major, taken on campus (at UW-Madison)

HONORS IN THE MAJOR

Honors in the Major is not available in Environmental Studies.