

ENVIRONMENTAL STUDIES, BACHELOR OF ARTS - ENVS

Major Requirements (40-75 Hours)

The following are required. In addition, at least one concentration must be chosen.

Code	Title	Credits
Required		
ENVS 161	Introduction to Environmental Studies	3
ENVS 171	Introduction to Environmental Science	3
ENVS 217	Environmental Policy	3
COMM 418	Seminar on Women, Leadership, and Communication	3
or ENVS 321	Women, Leadership, and the Environment	
ENVS 385	Interdisciplinary Environmental Research	3
ENVS 386	Current Issues in Environmental Studies	1
ENVS 495	Comprehensive Project Seminar	3
Concentration		
Select at least one of the following Concentrations:		21-56
Environmental STEM Concentration (p. 1)		
Global Environmental Policy Concentration (p. 1)		
Nature Culture Arts Concentration (p. 2)		
Spirituality Justice Ethics Concentration (p. 2)		
Total Credits		40-75

Concentrations

Environmental STEM Concentration

Please note that the Earth and Water Science Area Focus is only available to students pursuing the dual degree in Engineering at the University of Notre Dame.

Code	Title	Credits
Required		
PHIL 256	Environmental Ethics	3
BIO 316	Conservation Biology	4
or BIO 323	Ecology	
Environmentally-Related Science Elective		
Select one of the following: ¹		3-4
BIO 308	Vertebrate Natural History	
BIO 316	Conservation Biology	
BIO 323	Ecology	
BIO 332	Ornithology	
CHEM 311	Thermodynamics	
PHYS 343	Thermodynamics	

Area Focus Courses

Select four courses from one of the following areas:		12-13
Applied Mathematics:		
MATH 231	Calculus III	
MATH 326	Linear Algebra and Differential Equations	
MATH 335	Differential Equations II	
or MATH 336	Numerical Analysis	

MATH 381	Mathematical Modeling	
Earth and Water Science (at Notre Dame):		
CE 20110	Planet Earth	
CE 20320	Environmental Aquatic Chemistry	
CE 20520	Environmental Mineralogy	
CE 30300	Intro to Environmental Engineering	
CE 30320	Water Chemistry and Treatment	
CE 30455	Environmental Hydrology	
Required Supporting Courses		
CHEM 121	Principles of Chemistry I	8
& CHEM 122	and Principles of Chemistry II	
PHYS 121	General Physics I: Mechanics and Waves	8
& PHYS 122	and General Physics II: Temperature, Electricity, and Light	
MATH 131	Calculus I	4-8
& MATH 132	and Calculus II for STEM majors	
or MATH 133	Theory and Application of Calculus	
Select one of the following:		3-6
MATH 345	Probability	
& MATH 346	and Statistics (Applied Mathematics focus)	
ACMS 30440	Probability and Statistics (Earth & Water Science focus)	
Total Credits		45-54

¹ With program permission, the following earth or water science courses offered at Notre Dame may be used to fulfill this requirement: CE 20110 – Planet Earth, CE 20520 – Environmental Mineralogy, CE 20320 – Environmental Aquatic Chemistry.

Global Environmental Policy Concentration

Code	Title	Credits
STEM Elective		
Select one of the following:		3-4
ANTH 254	Survey II: Human Prehistory	
BIO 109	Introduction to Marine Biology	
BIO 308	Vertebrate Natural History	
BIO 312	Evolution	
BIO 316	Conservation Biology	
BIO 323	Ecology	
BIO 332	Ornithology	
CHEM 102	Chemistry in Everyday Life	
MATH 107	Mathematics for Sustainability	
Arts and Humanities Elective		
Select one of the following:		3
ART 236	Sustainable Textiles	
ART 274	Introduction to Landscape Architecture	
ART 354	Picturing Biodiversity: The Art of Natural History	
ART 356	Environment in Contemporary Art	
ART 374	Design and the Environment Studio II	
EDUC 466	Communicating Climate Science	
ENLT 211	Animals in Literature and Society	
ENLT 213	Environmental Literature	
ENLT 251	African-American Literature	

ENLT 351	19th-Century American Literature	
ENVS 232	The Shape of the City	
ENVS 235	Give Me Shelter	
ENVS 331	Human Ecology and Spirituality	
ENWR 224	Nature and Environmental Writing	
ENWR 307	Rhetoric	
PHIL 254	Social Justice	
PHIL 256	Environmental Ethics	
RLST 351	Religion and Science	
THTR 383	Fashion Ethics	
Microeconomics Course		
ECON 252	Principles of Microeconomics	3
Society and Environment		
Select one one of the following:		3
ANTH 141	People and Nature	
ANTH 253	Survey I: Culture and Language	
ENVS 213	Cultural Sust and Spirituality	
SOC 203	Social Problems (approved sections)	
Advanced Area Courses		
Select three of the following:		9
ANTH 376	Water, Culture & Sustainability	
ANTH 390	Special Topics	
COMM 307	Organizational Communication	
ECON 354	Economic Development	
ECON 390	Topics in Economics (Approved Sections)	
POSC 319	The Global Politics of International Development	
POSC 326	Global Environmental Politics	
SOC 306	Consumer Society	
Required Supporting Courses		
MATH 114	Introduction to Statistics ¹	3
or MATH 346	Statistics	
Total Credits		24-25

¹ With program permission and permission of the relevant department, PSYC 324 Statistics in Psychology or SOC 371 Sociological Statistics Lab may be substituted for MATH 114 Introduction to Statistics.

Nature, Culture, Arts Concentration

Code	Title	Credits
Stem Elective		
Select one of the following:		3-4
ANTH 254	Survey II: Human Prehistory	
BIO 109	Introduction to Marine Biology	
BIO 308	Vertebrate Natural History	
BIO 312	Evolution	
BIO 316	Conservation Biology	
BIO 323	Ecology	
BIO 332	Ornithology	
CHEM 102	Chemistry in Everyday Life	
MATH 107	Mathematics for Sustainability	
Environment and Society Elective		
Select one of the following:		3

ANTH 141	People and Nature	
ANTH 253	Survey I: Culture and Language	
COMM 307	Organizational Communication	
ECON 354	Economic Development	
ECON 390	Topics in Economics (Approved Sections)	
ENVS 213	Cultural Sust and Spirituality	
JUST 250	Introduction to Justice Studies	
POSC 319	The Global Politics of International Development	
POSC 326	Global Environmental Politics	
SOC 203	Social Problems (approved sections)	
SOC 306	Consumer Society	
Explorations Courses		
Select four of the following: ¹		12
ANTH 253	Survey I: Culture and Language	
ART 214	The Sustainable Cup	
ART 236	Sustainable Textiles	
ART 274	Introduction to Landscape Architecture	
ART 354	Picturing Biodiversity: The Art of Natural History	
ART 356	Environment in Contemporary Art	
ART 374	Design and the Environment Studio II	
EDUC 466	Communicating Climate Science	
ENLT 211	Animals in Literature and Society	
ENLT 213	Environmental Literature	
ENLT 251	African-American Literature	
ENLT 351	19th-Century American Literature	
ENVS 213	Cultural Sust and Spirituality	
ENVS 232	The Shape of the City	
ENVS 235	Give Me Shelter	
ENVS 331	Human Ecology and Spirituality	
ENWR 224	Nature and Environmental Writing	
ENWR 307	Rhetoric	
HUST 103	Lives and Times (approved sections)	
PHIL 254	Social Justice	
PHIL 256	Environmental Ethics	
RLST 351	Religion and Science	
THTR 383	Fashion Ethics	
Theoretical Applications Course		
Select one of the following:		3
ANTH 320	Anthropology of Race and Racism	
ANTH 346	Gender in Cross-Cultural Perspective	
ANTH 376	Water, Culture & Sustainability	
ANTH 390	Special Topics (approved topics)	
ENLT 385	Critical Theory	
GWS 350	Feminist Theory	
Total Credits		21-22

¹ No more than two courses may be taken in a single discipline (as indicated by course prefix).

Spirituality, Justice, Ethics Concentration

Code	Title	Credits
STEM Elective		
Select one of the following:		3-4

ANTH 254	Survey II: Human Prehistory
BIO 109	Introduction to Marine Biology
BIO 308	Vertebrate Natural History
BIO 312	Evolution
BIO 316	Conservation Biology
BIO 323	Ecology
BIO 332	Ornithology
CHEM 102	Chemistry in Everyday Life
MATH 107	Mathematics for Sustainability

Arts and Culture Elective

Select one of the following: 3

ANTH 141	People and Nature
ANTH 253	Survey I: Culture and Language
ART 236	Sustainable Textiles
ART 274	Introduction to Landscape Architecture
ART 354	Picturing Biodiversity: The Art of Natural History
ART 356	Environment in Contemporary Art
ART 374	Design and the Environment Studio II
COMM 307	Organizational Communication
ECON 390	Topics in Economics (Approved Sections)
EDUC 466	Communicating Climate Science
ENLT 211	Animals in Literature and Society
ENLT 213	Environmental Literature
ENLT 251	African-American Literature
ENLT 351	19th-Century American Literature
ENVS 213	Cultural Sust and Spirituality
ENVS 232	The Shape of the City
ENVS 235	Give Me Shelter
ENWR 224	Nature and Environmental Writing
ENWR 307	Rhetoric
SOC 306	Consumer Society
THTR 383	Fashion Ethics

Environment and Spirituality

RLST 240	Catholic Social Thought	3
or RLST 251	The Christian Tradition	

Environment and Justice

Select one of the following: 3

JUST 250	Introduction to Justice Studies
PHIL 254	Social Justice

Environmental Ethics

PHIL 256	Environmental Ethics	3
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Advanced CoursesSelect two courses in any suitable SJE topic from the following: ¹ 6

ANTH 376	Water, Culture & Sustainability
ENVS 331	Human Ecology and Spirituality
PHIL 354	Ethics
POSC 319	The Global Politics of International Development
RLST 351	Religion and Science

Total Credits 21-22**Advanced Writing Proficiency**

Students fulfill this proficiency requirement by receiving approval for a portfolio of three writing projects drawn from multiple disciplines contributing to environmental studies. The portfolio will include the paper completed in ENVS 495 Comprehensive Project Seminar; the other two projects included will vary with the student's major concentration and selection of courses.

Senior Comprehensive

The Senior Comprehensive requirement in Environmental Studies is fulfilled by successful completion of ENVS 495 Comprehensive Project Seminar and department approval of the paper and oral presentation based on the student's comprehensive project.

¹ A 3-credit internship may be substituted for one advanced course.