

Environmental Studies

Dart Westphal
Program Director

Environmental Studies is an interdisciplinary course of study that promotes an understanding of the relationship between human beings and their environment. Open to all students of the College, the program is designed as a major or minor for students in the School of Liberal Arts and as a minor or second major for students in any other school. The program provides students with a liberal arts experience that focuses on the complex interrelationship among the scientific, political, economic, ethical, and aesthetic ideas that underlie environmental issues. The program has been designed for both science and non-science majors, serving to broaden their environmental education in ways that can help all students prepare for future careers in the fields of environmental policy or education, while giving students who plan careers in science or engineering a crucial background for understanding the social contexts in which their work will take place.

Major

Requirements for a major in Environmental Studies

A minimum of thirty (30) credits, distributed as follows:

Sciences and Engineering: Students in the major must take a minimum of nine (9) credits in environmental science or engineering from the approved list of courses below. Students should be advised that there may be pre-requisites they must meet in order to take advanced science courses.

BIOL 223	Ecology	4
BIOL 231	Evolution	4
BIOL 304	Invertebrate Zoology	4
BIOL 305	Plant Biology	4
BIOL 326	Animal Behavior	4
BIOL 409	Marine Biology	4
BIOL 431	Freshwater Ecology	4
BIOL 432	Estuarine and Coastal Ecology	4
CEEN 305	Energy & the Environment	3
ENGS 204	Environmental Engineering Principles I	3
ENSC 101	Intro to Environmental Science	3
ENVL 316	Environmental Engineering Field Applications	3
MATH 151	Topics in Modern Mathematics *	3
SCI 203	Topics in Science I *	3
SCI 204	Topics in Science II *	3
SCI 323	Topics in Applied Conservation	3
ENSC 301	Environmental Science I	3
ENSC 302	Environmental Science II	4

* When these courses are on an environmental topic. Must be approved by the Environmental Studies program director.

Humanities and Social Sciences: Students in the major must take a minimum of eighteen (18) credits in the Humanities and Social Sciences from the approved list of courses below. **All students in the program must take POSC 223 Environmental Politics.**

CEEN 309	Environmental Law	3
ENGL 279	Literature and the Environment **	3
ENGL 345	Environmental Literature and Ecocriticism **	3
EVST 399	Independent Study in Environmental Studies	3
EVST 400	Field Project in Environmental Studies	3
HIST 377	Science, Technology, and Society	3
PHIL 205	Environmental Ethics	3
POSC 223	Environmental Politics	3
RELS 372	Religion and Science ***	3
RELS 377	Religion and Environmentalism ***	3
SOC 303	Urban Planning	3
URBN 302	Sustainable Cities	3
SOC 250	Introduction to GIS	3
SOC 350	Advanced Topics in Geographic Information Systems (GIS)	3
SOC 307	Research Methods	3
With permission of Director and Instructor		
ECON 332	Introduction to Environmental Economics	3
ECON 432	Applied Environmental Economics	3
SOC 334	Sustainable Development	3
POSC 210	Research Methods in Political Science	3
With permission of Instructor and Director		
With permission of Instructor and Director		
POSC 318	Community Organizing for Social Change	3
With permission of Instructor and Director		
RELS 204	Religion and Social Justice	3
With Permission of Instructor and Director		
RELS 205	Urban America and Catholic Social Teaching	3
With permission of Instructor and Director		

** Only one English course permitted

*** Only one Religious Studies course permitted

Capstone: All students in the major must take the three-credit capstone course during their senior year.

EVST 490 Senior Seminar in Environmental Studies

A minimum grade of C is required for all courses counting toward the major.

Minor

Requirements for a Minor in Environmental Studies:

Students in the minor must take at least fifteen (15) credits from the approved list of courses below. At least one course (but no more than two) must be from the approved list of science and engineering courses. Students should be advised that there may be pre-requisites they must meet in order to take advanced science courses. **All students in the program must take POSC 223 Environmental Politics.**

Sciences and Engineering:

BIOL 223	Ecology	4
BIOL 231	Evolution	4
BIOL 304	Invertebrate Zoology	4
BIOL 305	Plant Biology	4
BIOL 326	Animal Behavior	4
BIOL 409	Marine Biology	4
BIOL 431	Freshwater Ecology	4
BIOL 432	Estuarine and Coastal Ecology	4
CEEN 305	Energy & the Environment	3
ENGS 204	Environmental Engineering Principles I	3
ENSC 101	Intro to Environmental Science	3
MATH 151	Topics in Modern Mathematics *	3
ENVL 316	Environmental Engineering Field Applications	3
SCI 202	Introduction Geology *	3
SCI 203	Topics in Science I *	3
SCI 204	Topics in Science II *	3
SCI 210	Introductory Oceanography	3
SCI 221	Introduction Meteorology	3
SCI 323	Topics in Applied Conservation	3
ENSC 301	Environmental Science I	3
ENSC 302	Environmental Science II	4

* When these courses are on an environmental topic. Must be approved by the Environmental Studies program director.

Humanities and Social Sciences:

CEEN 309	Environmental Law	3
ENGL 279	Literature and the Environment **	3
ENGL 345	Environmental Literature and Ecocriticism **	3
EVST 301	Special Topics in Environmental Studies	3
EVST 399	Independent Study in Environmental Studies	3
EVST 400	Field Project in Environmental Studies	3
HIST 377	Science, Technology, and Society	3

PHIL 205	Environmental Ethics	3
POSC 223	Environmental Politics	3
RELS 372	Religion and Science ***	3
RELS 377	Religion and Environmentalism ***	3
SOC 303	Urban Planning	3
URBN 302	Sustainable Cities	3
ECON 332	Introduction to Environmental Economics	3
ECON 432	Applied Environmental Economics	3
POSC 318	Community Organizing for Social Change	3
With permission of Instructor and Director		
POSC 210	Research Methods in Political Science	3
With permission of Instructor and Director		
SOC 250	Introduction to GIS	3
SOC 350	Advanced Topics in Geographic Information Systems (GIS)	3
SOC 334	Sustainable Development	3
SOC 307	Research Methods	3
With permission of Instructor and Director		
RELS 205	Urban America and Catholic Social Teaching	3
With permission of Instructor and Director		
RELS 204	Religion and Social Justice	3
With permission of Instructor and Director		

A minimum grade of C is required for all courses counting toward the minor.

** Only one English course permitted

*** Only one Religious Studies course permitted