

English – Environmental Studies

ENGL 481 Seminar in English (4 credits)

A seminar focused on the study of an issue or problem of literary significance. Through discussion and intensive reading, the seminar will consider common texts pertinent to an English major's whole curriculum. Each student will execute and present a substantial critical or interpretive essay.

Prerequisites: completion of five English courses beyond the 100-level, including ENGL 380; or, for non-majors, permission of the instructor and the department chair.

ENGL 483, 484 Seminar (2 credits)

ENGL 485, 486 Seminar (4 credits)

See the description of these courses at the beginning of the "Curricula" section of this catalog.

ENGL 487, 488 Topics (2 credits)

ENGL 489, 490 Topics (4 credits)

The subject matter of these courses will vary from year to year, but will not duplicate existing courses. Descriptions of these courses are available at www.stthomas.edu/registrar/onlineschedule/.

Prerequisites: ENGL 111 and 112 or 190

ENGL 491, 492 Research (2 credits)

ENGL 493, 494 Research (4 credits)

See the description of these courses at the beginning of the "Curricula" section of this catalog.

ENGL 495, 496 Individual Study (2 credits)

ENGL 497, 498 Individual Study (4 credits)

See the description of these courses at the beginning of the "Curricula" section of this catalog.

Prerequisites: ENGL 111 and 112 or 190

Entrepreneurship

See Business Administration

Environmental Studies (ENVR)

College of Arts and Sciences

Interdisciplinary Program

Scott (PSYC), program director; Environmental Studies Committee: Emms (BIOL), George (ENGR), Giebel (PHIL), Hickson (GEOL), Hoffman (POLS), Kelley (GEOG), Wammer (CHEM)

The Environmental Studies program provides students with a broad interdisciplinary background as well as a basis for career specialization and practical application and problem solving. The program is based upon an investigation both of the Earth's environment and the wide variety of human interactions with that environment. The program has three basic objectives:

1. to transmit an understanding of environmental problems and their complexities,
2. to motivate productive responses to those problems, both vocational and avocational, based on that understanding, and
3. to foster the development of critical, inquiring minds.

All students majoring in Environmental Studies are required to take 36 credits in core courses, another 24 credits in concentration-area courses, and four credits in an allied course. The core courses are designed to provide the student with a foundation in the physical, social and ethical dimensions of environmental issues. Students graduating with a major in environmental studies will demonstrate their ability to integrate their liberal arts and professionally-oriented education. Students are encouraged, but not required, to take additional courses in writing and computer applications, and should consult the chair of the Environmental Studies Committee for recommendations.

The concentration area consists of a minimum of an additional 24 credits beyond the core. These courses are meant to deepen the student's understanding of the origin and complexity of environmental issues while focusing attention on one particular area of study.

The student may

- a. choose to specialize in an existing area of study or
- b. may propose an individually designed concentration program.

In either case, students are required to submit a Concentration Area Proposal to the Governance Committee for approval. The proposal will identify the prospective concentration area, a set of learning objectives, and the concentration area's relationship to the student's environmental interests. Students are strongly encouraged to discuss the formation of their concentration area with the director of the program or another member of the Governance Committee. Committee members can assist students in constructing successful concentration area proposals. Students are required to identify their concentration area by the end of their sophomore year or the first semester of their junior year.

Major in Environmental Studies: Concentration Area in the Natural Sciences

ENVR 151 Humans and the Environment (4 credits)
 ENVR 212 Social Dynamics and the Environment (4 credits)
 ENVR 301 Environmental Ethics (4 credits)
 ENVR 351 Environmental Policy Formation (4 credits)
 ENVR 401 Field Seminar (4 credits)

Plus four credits from the following:

BLAW 351 Environmental Law (4 credits)
 ECON 252 Principles of Microeconomics (4 credits)
 POLS 205 Introduction to the American Public Policy Process (4 credits)

Plus four credits from the following:

MATH 303 Statistics for the Applied Sciences (4 credits)
 QMCS 220 Statistics I (4 credits)

Plus:

BIOL 102 Conservation Biology (4 credits)

or

BIOL 201 Diversity and Adaptation (4 credits)

Plus:

CHEM 101 Environmental Chemistry (4 credits)

or

CHEM 111 General Chemistry I (4 credits) *and* CHEM 112 General Chemistry II (4 credits)

Plus:

GEOL 115 Environmental Geology *or one of* GEOL 110, 111, 113, 114 (4 credits each)

Plus:

Six courses determined in consultation with the program director

Major in Environmental Studies: Concentration Area in Social Science, Business, or Humanities

ENVR 151 Humans and the Environment (4 credits)
 ENVR 212 Social Dynamics and the Environment (4 credits)
 ENVR 301 Environmental Ethics (4 credits)
 ENVR 351 Environmental Policy Formation (4 credits)
 ENVR 401 Field Seminar (4 credits)

Plus one of the three sequences below:

BIOL 102 Conservation Biology (4 credits)
 CHEM 101 Environmental Chemistry (4 credits)
 GEOL 115 Environmental Geology *or one of* GEOL 110, 111, 113, 114 (4 credits each)
 GEOL 252 Geomorphology (4 credits) *or* GEOL 220 Oceanography (4 credits)

or

BIOL 201 Diversity and Adaptation (4 credits)
 BIOL 202 Genetics and Population Biology (4 credits)
 CHEM 101 Environmental Chemistry (4 credits)
 GEOL 115 Environmental Geology *or one of* GEOL 110, 111, 113, 114 (4 credits each)

or

BIOL 102 Conservation Biology (4 credits)
 CHEM 111 General Chemistry I (4 credits)
 CHEM 112 General Chemistry II (4 credits)
 GEOL 115 Environmental Geology *or one of* GEOL 110, 111, 113, 114 (4 credits each)

Plus four credits from the following:

MATH 303 Statistics for the Applied Sciences (4 credits)
 QMCS 220 Statistics I (4 credits)

Plus:

Six courses determined in consultation with the program director

Minor in Environmental Studies

ENVR 151 Humans and the Environment (4 credits)
 ENVR 212 Social Dynamics of the Environment (4 credits)
 ENVR 301 Environmental Ethics (4 credits)
 ENVR 351 Environmental Policy Formation (4 credits)

Environmental Studies

Plus four credits from the following:

BLAW 351 Environmental Law (4 credits)

ECON 252 Principles of Microeconomics (4 credits)

POLS 205 Introduction to the American Public Policy Process (4 credits)

ENVR 151 Humans and the Environment (4 credits)

A study of the interaction of humans and the environment over time and space; a broad introduction that integrates a variety of social-science perspectives into an understanding of the environment and the relations between humans and nature. Specific topics include ecology, population, economic development, resources and sustainable development. This course fulfills the second-level Computer Competency requirement in the core curriculum.

ENVR 212 Social Dynamics and the Environment (4 credits)

An emphasis on the ways in which people have created, and attempted to solve, environmental problems in different cultural and historical contexts. Examines the roles of the entire spectrum of actors and human communities, including individuals, families, groups and formal organizations, neighborhoods, cities and nations. Students examine how individual dynamics (such as altruism and economic self-interest) and collective dynamics (such as competition, cohesion, social definitional processes and global interdependence) direct humans in their interactions with the environment.

ENVR 295, 296 Topics (2 credits)

ENVR 297, 298 Topics (4 credits)

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ENVR 301 Environmental Ethics (4 credits) (equivalent to PHIL 358)

Consideration of the ethical issues arising from human interaction with the environment, including population pressure, pollution, conservation and preservation. Focus on the grounds of our obligation to resolve such issues; the question of what persons and things are worthy of moral consideration; and the respective roles of individuals, organizations and government in addressing environmental problems. Case studies will be used to trace the implications of various ethical and political theories.

Prerequisite: ENVR 151 and PHIL 214

ENVR 351 Environmental Policy Formation (4 credits) (equivalent to POLS 316)

An examination of environmental policy outcomes generated by institutions and organizations, including legislation, court decisions and administrative decisions. Additional focus on decision-making processes commonly used to assess environment-related legislation, including those rooted in economics and policy analysis.

Prerequisite: ENVR 212

ENVR 401 Field Seminar (4 credits)

A capstone course that combines field experience with classroom seminar. Student teams will conduct collaborative, broadly interdisciplinary analyses of selected environmental problems. Field-based projects are chosen by the students in consultation with course instructor. Classroom seminars are used for exchange of information between teams and for discussion of readings pertinent to individual research projects or, more broadly, to the interdisciplinary character of environmental problem-solving. Each team produces a major paper that examines ethical and natural- and social-science aspects of the selected problems.

Prerequisite: ENVR 301 and 351 or permission of the instructor

ENVR 475, 476 Experiential Learning (2 credits)

ENVR 477, 478 Experiential Learning (4 credits)

See the description of these courses at the beginning of the "Curricula" section of this catalog.

ENVR 483, 484 Seminar (2 credits)

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