

THE PROGRAM IN ENVIRONMENTAL STUDIES

Professors: David Andrews (Sociology/Anthropology), John Elder (English), Victor Nuovo (Philosophy) **Associate Professors:** Robert Churchill (Geography), Raymond Coish (Geology), Stephen Trombulak (Biology, Director) **Assistant Professors:** Richard Arthur (Philosophy), Lucy Harding (Geology), Neil Leary (Economics) Tamar Mayer (Geography), Burke Rochford (Sociology/Anthropology), Jack Schmidt (Geography and Geology), Sallie Sheldon (Biology).

The field of Environmental Studies explores the relationship between humans and their environment. Such a study involves information from a variety of disciplines, including economics, biology, geology, political science, geography, sociology, philosophy, and literature. The Program in Environmental Studies is designed to provide students an interdisciplinary major that focuses on the diverse facets of environmental issues as well as to provide in-depth training in one or more specific disciplines. After graduation, students may continue on to graduate school in environmental studies, as well as environmental law and policy, resource economics, sociology, or wildlife biology. Because the major includes significant work in three divisions, students majoring in Environmental Studies are not required to take a concentration.

Program Requirement: Students must select to be in either the Natural Science or the Social Science/Humanities Track of the major. Each track involves six required courses and four cognates. Additionally, each student must select a focus and an adviser within his or her chosen track. Courses taken within the focus that are not specified must be approved by the adviser.

Required for a major in Environmental Studies: Six core courses and four cognates, as well as courses from one of eight possible

foci. Each student must choose an adviser within his or her focus; courses taken within the focus that are not specified must be approved by the adviser.

Core courses: Each of the following courses is required.

BI 190 (General Ecology)
EL/AL 113 (Visions of Nature)
GL 112 (Environmental Geology)
GG 260 (Social Aspects of Environmental Issues)
EC 365 (Environmental Economics)
ES 401 (Environmental Policy Formation)

Cognate courses: Any four of the following courses; at least three of them must be from divisions other than that of the focus, and at least three must be above the 100 level.

BI 390 (Advanced Ecology)
CH 103 (Fundamentals of Chemistry I)
GG 210 (Geography of Development) or 211 (Economic Geography); 250 (Physical Earth Processes) or 254 (Weather and Climate); 255 (Surface Water Resources and Development)
MA 106 (Introduction to Statistical Science) or EC 210 (Economic Statistics)
NE 382 (Biogeography)
PA 190 (Ethics and the Environment), 230 (Philosophy of Science)
PS 103 (Comparative Politics) or 104 (American Political Processes) or 208 (U.S. Congress)
SA 307 (Social Movement and Collective Action)
Any Winter Term course listed as Environmental Studies

Foci: Complete all the requirements for one of the following foci. Courses taken as part of the core sequence and as cognates may not normally be used as part of the focus.

Biology: 195, 4 additional courses at the 200–300 level, 1 course at the 400 level
Chemistry: 4 courses at the 200–300 level, 2 courses at the 400 level
Economics: 210, 355, 465, 2 additional courses above the 100 level, MA 112
Geography: 100, 4 additional courses at the 200–300 level, 1 course at the 400 level
Geology: 3 courses at the 200–300 level, 1 course at the 400 level, 2 units of 700
Literature and Writing: EL 107 or 160 or 170, EL 260, EL 213, AL 202, CS 225
Philosophy: 180, 4 additional courses at the 200–300 level, 1 course at the 400 level
Sociology/Anthropology: 103, 190, 301 or 302, 2 Area Studies courses

Senior Independent Work: Some foci require independent work in the related department during the senior year. Students with other foci may also elect to do independent work; this work may be carried out either as a one or more semester project (ES 500: Independent Studies). Students must carry out this work under the supervision of a faculty member in the department that best characterizes the research project.

Honors Program: Juniors or seniors with an average of B+ or better in courses taken towards the major may apply for Program Honors before beginning an Independent Study (ES 500). After a public presentation and a defense of the work before a committee of three faculty from the Program, Honors will be given for projects of superior quality (B+ or better).

Joint majors: To ensure the greatest flexibility for professional development after graduation, students majoring in Environmental Studies are encouraged to consider developing for themselves a joint major between ES and another department. This will allow students to have greater depth and experience in their area of interest. Students wishing to pursue this option should talk with the Director of the Program.

[ES 401 Environmental Policy Formation]

ES 500 Independent Study Fall, Winter, Spring