

Environmental Biology Major

(14 ½ units)

The environmental biology major provides a broad background in the biological sciences with a focus on how humans interact with their biological and geological environments. *See the biology department for details.*

Environmental Chemistry Major

(14 units)

The environmental chemistry major provides an understanding of the chemical sciences with a focus on environmental processes and human interactions with these processes. *See the chemistry department for details.*

Environmental Geology Major

(13 units)

The environmental geology major provides an understanding of how earth systems operate and how humans interact with the environment. *See the geology department for details.*

Environmental Studies Major

(14 ½ units)

The environmental studies major provides an interdisciplinary approach to the study of interactions between humans and the environment. The major includes introductory and advanced courses in the natural sciences, social sciences, arts and humanities, and interdisciplinary approaches to environmental issues. Core environmental courses introduce students to the interdisciplinary study of environmental issues and form the foundation for the major. Environmental Studies 380: Senior Colloquium in Environmental Studies provides an opportunity for students to reflect upon the diverse perspectives on environmental issues that they have studied.

- 1) Four units of introductory political science, economics, and natural science courses.
 - a) One introductory political science unit chosen from Political Science 110, 130, 160, 180.
 - b) Economics 199.

- c) Two units of introductory natural science from different departments chosen from Biology 111, 121, 141, 151, Chemistry 117, Geology 100, 110, Physics 101.
- 2) Three units of environmentally related courses from Biology 206, Economics 205, Environmental Studies 258, 280, Philosophy 224, Political Science 255.
- 3) One statistical analysis unit chosen from Anthropology 240, Biology 247, Economics 251, Mathematics 106, Sociology 305.
- 4) Two additional social science and arts and humanities units, with no more than 1 unit at the 100-level, chosen in consultation with the advisor, from Anthropology 258, Economics 204*, 271, Philosophy 220*, Political Science 110, 130*, 160*, 180, 235*, 236*, 240*, 241*, 246*, 265, Sociology 250.
- 5) Two additional natural science and mathematics units, with no more than 1 unit at the 100-level, chosen in consultation with the advisor from Biology 111, 121, 141, 151, 201*, 215, 217, 337, 343, 357, 372, Chemistry 117, 220, Computer Science 121, 123, 131, Geology 100, 110, 200, 215, 230, 235, 240, Mathematics 104, 110, Physics 101, 102*, Physics 210*.
- 6) Two additional units related to the environment from items 2, 4, and 5, or other environmentally related courses at or above the 200-level, an internship, or research experience chosen in consultation with an environmental studies advisor.
- 7) Environmental Studies 380 (½ unit).
- 8) A summer or semester of full-time experience in environmental research or action is strongly recommended.

- 9) Writing/communication requirement: Writing in environmental studies incorporates the multiple traditions that inform the examination of human/environment interactions. Students are exposed to a variety of writing styles in the natural science, social science, humanities, and interdisciplinary courses required for the major. The capstone course, Environmental Studies 380, provides opportunities for students to explore writing and speaking in ways that communicate to diverse audiences about environmental issues.

Notes:

- 1) Students are encouraged to develop a plan of study with their advisor.
- 2) No course may be used to satisfy two separate requirements for the environmental studies major.
- 3) Starred courses (*) may be used to satisfy the requirements with the agreement of the instructor, provided that the student engages in at least one environmentally related project during the course.
- 4) Additional courses may be used to satisfy requirements following consultation with the advisor and the chair of environmental studies.
- 5) Environmental studies majors may not also major in environmental biology, environmental geology, or environmental chemistry, or minor in environmental studies.
- 6) Information of interest to environmental studies majors may be found in the catalog under the following index headings: Coe College Wilderness Field Station, Costa Rica study abroad program, Marine Biological Laboratory program, Oak Ridge science semester, Tanzania study abroad program, and Environmental Management and Forestry.

Environmental Studies Minor

(6 units)

- 1) One unit of introductory economics or political science from Economics 199, Political Science 110, 130, 160, 180.
- 2) One unit of introductory natural science from Biology 111, 121, 141, 151, Chemistry 117, Geology 100, 110, Physics 101.
- 3) Four units of environmentally related courses from Biology 206, Economics 205, Environmental Studies 258, 280, 380, Philosophy 224, Political Science 255, Sociology 250, or other environmentally related courses numbered 200 or above, an internship, or research experience chosen in consultation with an environmental studies advisor.

Notes:

- 1) No more than 2 courses taken to satisfy major requirements may count toward the environmental studies minor.
- 2) Environmental biology, environmental geology, environmental chemistry, and environmental studies majors may not minor in environmental studies.