

Environmental Studies Major (3/24/09 update)

Total Required Credits: 52-54

Core Courses

1. EnSt 1101: Environmental Problems and Policy (4 cr.) Eenvt)
2. Geol 1101: Physical Geology (4 cr., includes lab) (Sci-L)
3. Econ 1111: Microeconomics (4 cr.) (Economics staff) (SS)
4. Stat 1601: Introduction to Statistics (4 cr.) (Statistics Staff) – or Stat 2601 (M/SR)
5. EnSt 2101: Environmental Biology (4 cr., includes lab) (Sci-L) or Biol 1111 and Biol 2101 (Sci-L)
6. Engl 2106: The Environmental Imagination (4 cr.) (Eenvt) or EnSt 2111: Environmental Ethics (4 cr.) (Eenvt)
7. EnSt 3996: Internship/Field Experience in Environmental Studies (2-4 cr.)
8. EnSt 4901: Senior Seminar/Capstone Experience (2 cr.)

Total Core: 28-30 credits

In addition to the core, the Environmental Studies major requires 24 elective credits. At least 16 of the 24 credits must be from upper division (3000- or 4000-level) courses. At least four of the upper level credits must be from Social Science and at least four must be from Science and Mathematics.

Selection of electives must be intentional and done in close consultation with an Environmental Studies advisor. Students should submit an elective plan by the end of their sophomore year, to be reviewed and approved by the Program Coordinator and the other voting members of the Environment program. A list of electives follows, but other courses may be appropriate to add depth and provide more theoretical context for the environmentally focused coursework. For instance, Pol 3421: International Organizations might be an appropriate elective for students wishing to understand international environmental policy.

Elective plans should be designed to ensure that there is sufficient depth of coverage in the chosen EnSt electives. For many students, a double-major (or minor) with a closely related disciplinary major will be desirable. For some majors, electives can be selected in such a way that many of the courses in a coherent Environmental Studies elective plan would also count towards the second major.

Currently offered appropriate elective courses, building on the core outlined above, include:

Science Electives (note: some of these options require additional pre-requisites, but many can be taken directly after taking the science classes in the major core. An * indicates courses without additional pre-requisites).

Bio 3131: Ecology*, Biol 4331: Global Change Ecology, Biol 4131: Vertebrate Natural History*, Biol 4151: Entomology*, Biol 4171: Plant Systematics and Evolution, Biol 4191: Freshwater Biology, Biol 4351: Conservation Biology*, Chem 1101: General Chemistry I*, Chem 1102: General Chemistry II, Chem 3101: Analytical Chemistry, ESci 3111. Evolution of the Minnesota Prairie*, Geol 2001: Advanced Environmental Geology*, Geol 2161: GIS and Remote Sensing*, Geol 3501: Hydrology*, Phys 2310: Atmospheric Physics

Social Science Electives

Anth 2101: Physical Anthropology*, Anth/Soc 3204: Culture, Food, and Agriculture, Anth 2501: Medical Anthropology, Anth 3206: Ecological Anthropology, Econ 3006-7: Environmental and Natural

Resource Economics I-II*, Hist 3361: An Environmental and Geographical History of the United States*, Pol 1201: American Politics and Government, Pol 3355: Environmental Political Theory*, Soc 3131: World Population, Soc 3112: Sociology of the Environment and Social Development

Humanities Electives

Engl 2106: The Environmental Imagination¹, Engl 3032: Creative Nonfiction*², Engl 4012: Research Seminar: Imagining the Earth*, Engl 4024: Poet's Choice, IS 3215H. Honors: Sagas before the Fall: Culture, Climate, and Collapse in Medieval Iceland*, Phil 2111: Introductory Ethics*, Span 3623. Ecology and Nature in Latin American Literature (*in Spanish*)

Education

Students with an interest in environmental education are encouraged to take Ed 2301: Environmental Science and Place-based Education.

Environmental Studies Electives

EnSt 2111: Environmental Ethics

¹ . Either Engl 2106: The Environmental Imagination or EnSt 2111: Environmental Ethics is required to complete the major core. The course not taken for the core can be included in an elective plan.

² A possible mechanism to make certain courses appropriate for an environmental studies elective plan is by focusing papers and projects on environmental topics. This would be required for Engl 3032: Creative Nonfiction and Engl 4024: Poet's Choice, but may be appropriate in other cases as well. For instance, an international relations course might be made appropriate by careful selection of paper topics.