

Program & Curriculum Approval

Executive Summary

[Close This Window](#)

Program Title: Environmental Studies B.A.

Approval Status: Proposal Not Submitted
 Program Last Saved: Oct 2, 2008 12:21:13 PM
 By: Jeri Squier

NOTE: The sample plan below may not include all possible course options.
 Check the program requirements for additional courses that can work with
 your four-year plan.

Jump down to: [General](#) | [Narrative](#) | [Admission](#) | [Program](#) | [Sub-plans](#)

General Information

Hide this section

Campus:	University of Minnesota, Morris	<no change>
Career:	Undergraduate	<no change>
Program type:	Baccalaureate	<no change>
Program title (short):	Environmental Studies B.A.	<no change>
Program title (long):	Environmental Studies B.A.	<no change>
Program short description:	EnvStudies	<no change>
Additional terms:	· This program is 8 semesters (4 years) long. · This program needs summer terms.	<no change>
Stakeholder college(s):	· UMM-Academic Affairs	<no change>
Degree-granting college(s):	· UMM-Academic Affairs	<no change>
Approver college(s):	· UMM-Academic Affairs	<no change>
Administrative college(s):	· UMM-Academic Affairs	<no change>
Budgetary college(s):	· 'UMM-Academic Affairs'=100	<no change>
Acad plan code(s):	· 'UMM-Academic Affairs'=028820227	<no change>
Department(s):	· Academic Services	<no change>
First term admitting students:	Fall 2008	<no change>
Effective date:	Fall 2008	Fall 2009
Degree:	Bachelor of Arts	<no change>

Catalog description: This is an interdisciplinary major under the authority of the vice chancellor for academic affairs and dean. The program is administered by the environment program coordinator. <no change>

The environmental studies major is designed to serve those interested in a broader knowledge of the natural environment and the role of humans in that environment. Students begin with a foundation of knowledge in economics, policy, science, humanities, and statistics. Carefully chosen electives, a required practical internship or research experience, and a capstone seminar provide depth of experience and help students prepare for graduate and professional programs as well as for careers in education, government service, and the private sector.

RIASEC codes: <no change>

Field of study: Social Sciences and Human Services <no change>

Program contact(s): U of M internet ID: squierj <no change>
Name: Jeri Squier
E-mail address: squierj@umn.edu
Telephone number: 320/589-6033
Campus mailing address:
UMM Registrar's Office, Room 212
Behm, M270D, 600 E 4th St, Morris, MN
56267

Narrative Materials

Hide this section

Brief summary or overview of reason for proposed new program or rationale for changes: Fix checkpoint chart to reflect required courses. JLS
ENST 2111: Environmental Ethics is added. Students may take it in addition to or in place of ENGL 2106.
PHYS 2310: Atmospheric Physics, and ANTH 3206: Ecological Anthropology have been added as elective options for students pursuing the major.

Mission, priorities and interrelatedness: The EnSt major complements UMM's liberal arts mission and supports the 2007 UMM Strategic Plan that calls for a broad integration of liberal learning outcomes and integration of green initiatives and <no change>

	<p>global and multicultural perspectives into the curriculum. Based on this mission, the EnSt major prioritizes an inter-disciplinary acquisition of knowledge and practice and will aid students in gaining an ethically-principled set of skills for understanding the complex interactions of humans and their diverse environments in both local and global contexts. Creation of an EnSt major is supported by a 2007 allocation to UMM via the campus compact process.</p>	
Need and demand:	<p>From 1990-2006, five students graduated from UMM with an environmental area of concentration. Going back further, beginning with 1973, a total of eight students have received approval for an area of concentration in some area related to the environment (N. Helsper, pers. com.). As of February 2007, 11 currently enrolled students were seeking an Environmental Studies area of concentration (B. Boever, pers. com.). The Office of Admissions reports strong student interest in Environmental Studies among our potential student pool (J. Morales, pers. com.).</p>	<no change>
Comparative advantage:	<p>UMM is well positioned to offer an interdisciplinary major taking advantage of our liberal arts tradition. We are a small rural campus with strong ties to the region and its environment. Examples include the Center for Small Towns, the vibrant local foods movement, the wind turbine and new biomass facility, and the recently established campus Sustainability Coordinator position. As such, we have unique opportunities to offer students a program on a scale that can truly be a part of our institutional and community identity.</p>	<no change>
Efficiency, effectiveness, and use of resources:	<p>Much faculty expertise and interest in the “environment” already exists at UMM. In the sciences, faculty members whose teaching and research interests are focused on the environment include all four of the</p>	<no change>

After review, Education was added to the list of 'interest and expertise' divisions.

current members of Geology, five in Biology and additional faculty from Physics and Chemistry. Environmental interest and expertise are also found in the Humanities, Social Science, and Education Divisions, including faculty in Anthropology, Economics, English, History, Political Science, and UMM has recently obtained, through the campus compact process, the resources required for an additional environmental faculty hire.

Most of the courses in this major serve other major programs.

Program quality and assessment:

Learning Objective 1: Students will demonstrate knowledge of the physical environment and how human activities impact the physical environment.

<no change>

Assessment of Objective 1: Exams and papers from EnSt 2101, Geol 1101, and science electives.

Learning Objective 2: Students will understand the political and economic aspects of the relationship between humans and their physical environment.

Assessment of Objective 2: Exams and papers from EnSt 1101, Econ 1111 and social science electives

Learning Objective 3: Students will communicate an understanding of the social and ethical dimensions of the relationship between humans and their physical environment.

Assessment of Objective 3: Papers from Engl 2106, performance in EnSt 4901.

Learning Objective 4: Students will develop a deep, coherent and practical understanding of a chosen aspect of Environmental Studies.

Assessment of Objective 4: Completion of an approved set of coherent elective courses, successful completion of EnSt 3996.

The overall Environmental Studies program will be assessed through the standard UMM assessment process. In addition, pre- and post- testing will be used in various courses to determine knowledge gained. Seniors and graduates will be surveyed to gain feedback for improving the major requirements and curriculum.

Program development:

The EnSt major will draw on courses already developed and approved by the Curriculum Committee and Campus Assembly, but will seek to add new course offerings as they become available. The faculty in disciplines which must contribute new, dedicated resources for this major (Biology and English) have endorsed the resource allocation required to begin this major. CRPC has endorsed the allocation of resources required to begin this major.

<no change>

Admission Requirements

Hide this section

Preferred freshman writing course(s):

<no change>

Minimum courses or credits to be completed before admission:

No Courses or Credits

<no change>

Indicate students that are usually admitted to pre-major status before admission to this major:

No students

<no change>

Preferred minimum G.P.A. for college-admitted students seeking entry to the major:

No G.P.A. Requirement above 2.0.

<no change>

Preferred minimum G.P.A. for college-admitted students from another U of M college (I.U.T.s):	No G.P.A. Requirement above 2.0.	<no change>
---	----------------------------------	-------------

Preferred minimum G.P.A. for college-admitted students transferring from outside the University:	No G.P.A. Requirement above 2.0.	<no change>
--	----------------------------------	-------------

[^ Return to top of Admission Requirements](#)

Program Requirements

Hide this section

Program length in credits:	120 credits	<no change>
----------------------------	-------------	-------------

Major length in credits:	52 to 54 credits	<no change>
--------------------------	------------------	-------------

Number of semesters of a second language that are required:	2	<no change>
---	---	-------------

Specific language(s) required:	Any Second Language	<no change>
--------------------------------	---------------------	-------------

Other requirements:	<p>Selection of electives must be intentional and done in close consultation with an environmental studies adviser. Students must submit an elective plan (preferably by the end of sophomore year), to be reviewed and approved by the environment program coordinator and the other voting members of the environment program.</p> <p>Elective plans must 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 is desirable. For some majors, electives can be selected in such a way that many of the courses in a coherent environmental studies elective plan also count toward the second major. Other elective courses, not listed below, may be appropriate to add</p>	<no change>
---------------------	---	-------------

depth and provide more theoretical context for the environmentally focused coursework (requires written approval of course instructor and the program coordinator). For instance, POL 3421 - International Organizations might be an appropriate elective for students wishing to understand international environmental policy. Some generally focused courses (ENGL 3032 - Creative Nonfiction for example) are appropriate if course project topics are environmentally themed.

No grades below C- are allowed. Required courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required course(s):

Required Courses

[ENST 1101](#) - Environmental Problems and Policy, ENVT (4.0 cr)

[ECON 1111](#) - Principles of Microeconomics, SS (4.0 cr)

[GEOL 1101](#) - Physical Geology, SCI-L (4.0 cr)

[STAT 1601](#) - Introduction to Statistics, M/SR (4.0 cr)

or [STAT 2601](#) - Statistical Methods, M/SR (4.0 cr)

[ENGL 2106](#) - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World, ENVT (4.0 cr)

[ENST 2101](#) - Environmental Biology, SCI-L (4.0 cr)

or [BIOL 1111](#) - Fundamentals of Genetics, Evolution, and Development, SCI (3.0 cr)

[BIOL 2101](#) - Evolution of Biodiversity, SCI-L (4.0 cr)

[ENST 3996](#) - Internship/Field Experience in Environmental Studies (2.0-4.0 cr)

Required Courses

[ECON 1111](#) - Principles of Microeconomics, SS (4.0 cr)

[ENGL 2106](#) - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World, ENVT (4.0 cr)

or [ENST 2111](#) {Approval Pending}

[ENST 1101](#) - Environmental Problems and Policy, ENVT (4.0 cr)

[ENST 2101](#) - Environmental Biology, SCI-L (4.0 cr)

or [BIOL 1111](#) - Fundamentals of Genetics, Evolution, and Development, SCI (3.0 cr)

[BIOL 2101](#) - Evolution of Biodiversity, SCI-L (4.0 cr)

[ENST 3996](#) - Internship/Field Experience in Environmental Studies (2.0-4.0 cr)

[ENST 4901](#) - Senior Capstone Experience (2.0 cr)

[GEOL 1101](#) - Physical Geology, SCI-L (4.0 cr)

[STAT 1601](#) - Introduction to Statistics,

The elective requirements were re-grouped for ease in updating future proposals.

	<p>ENST 4901 - Senior Capstone Experience (2.0 cr)</p>	<p>M/SR (4.0 cr) or STAT 2601 - Statistical Methods, M/SR (4.0 cr)</p>
		<p>Elective Courses Other courses may be appropriate to add depth and provide more theoretical context for the environmentally focused coursework (requires written approval of course instructor and the program coordinator).</p> <p>At least 16 of the 24 elective credits must be from upper division (3xxx or 4xxx) courses. Of these 16 credits, at least 4 credits must be from social science and at least 4 must be from science and mathematics.</p>
	<p>EnSt 2111 - Environmental Ethics, Envnt (4 cr)</p>	<p>1xxx- 2xxx Electives Take no more than 8 credit(s) from the following: Exclusive of those used to meet Required Courses above.</p> <ul style="list-style-type: none"> · ANTH 2101 - Physical Anthropology, SCI-L (4.0 cr) · ANTH 2501 - Medical Anthropology-An Overview, SS (4.0 cr) · CHEM 1101 - General Chemistry I, SCI-L (4.0 cr) · CHEM 1102 - General Chemistry II, SCI-L (4.0 cr) · ED 2301 - Environmental Science and Place-Based Education, ENVT (4.0 cr) · ENGL 2106 - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World, ENVT (4.0 cr) · ENST 2111 {Approval Pending} · GEOL 2001 - Advanced Environmental Geology, ENVT (4.0 cr) · GEOL 2161 - GIS and Remote Sensing, SCI (4.0 cr) · PHIL 2111 - Introductory Ethics, HUM (4.0 cr)

- [PHYS 2301](#) - Atmospheric Physics, ENVT (4.0 cr)
- [POL 1201](#) - American Government and Politics, E/CR (4.0 cr)

Elective Courses

Take 24 or more credit(s) from the following:

Other courses may be appropriate to add depth and provide more theoretical context for the environmentally focused coursework (requires written approval of course instructor and the program coordinator).

At least 16 of the 24 elective credits must be from upper division (3xxx or 4xxx) courses. Of these 16 credits, at least 4 credits must be from social science and at least 4 must be from science and mathematics.

· Take no more than 8 credit(s) from the following:

· 1xxx- 2xxx Science and Mathematics Electives

Take 0 - 8 credit(s) from the following:

· [CHEM 1101](#) - General Chemistry I, SCI-L (4.0 cr)

· [CHEM 1102](#) - General Chemistry II, SCI-L (4.0 cr)

· [GEOL 2001](#) - Advanced

Environmental Geology, ENVT (4.0 cr)

· [GEOL 2161](#) - GIS and Remote Sensing, SCI (4.0 cr)

· 1xxx- 2xxx Social Science Electives

Take 0 - 8 credit(s) from the following:

· [ANTH 2101](#) - Physical Anthropology, SCI-L (4.0 cr)

· [ANTH 2501](#) - Medical Anthropology- An Overview, SS (4.0 cr)

· [POL 1201](#) - American Government and Politics, E/CR (4.0 cr)

· 1xxx- 2xxx Humanities and Education Electives

Take 0 - 8 credit(s) from the following:

· [ED 2301](#) - Environmental Science and Place-Based Education, ENVT (4.0 cr)

3xxx-4xxx Elective Courses

Take 16 or more credit(s) from the following:

· Science and Mathematics Electives

Take 4 or more credit(s) from the following:

· [BIOL 3131](#) - Ecology, SCI-L (4.0 cr)

· [BIOL 4131](#) - Vertebrate Natural History, SCI-L (4.0 cr)

· [BIOL 4151](#) - Entomology, SCI-L (4.0 cr)

· [BIOL 4171](#) - Plant Systematics and Evolution, SCI-L (4.0 cr)

· [BIOL 4191](#) - Freshwater Biology, SCI-L (4.0 cr)

· [BIOL 4331](#) - Global Change Ecology, SCI (4.0 cr)

· [BIOL 4351](#) - Conservation Biology , SCI-L (4.0 cr)

· [CHEM 3101](#) - Analytical Chemistry, SCI-L (4.0 cr)

· [GEOL 3501](#) - Hydrology, SCI (4.0 cr)

· Social Science Electives

Take 4 or more credit(s) from the following:

· [ANTH 3204](#) - Culture, Food, and Agriculture, ENVT (4.0 cr)

· [ANTH 3206](#) - Ecological Anthropology, ENVT (4.0 cr)

· [ECON 3007](#) - Environmental and Natural Resource Economics I, ENVT (2.0 cr)

· [ECON 3008](#) - Environmental and Natural Resource Economics II, ENVT (2.0 cr)

· [HIST 3361](#) - An Environmental and Geographic History of the United States, ENVT (4.0 cr)

· [POL 3355](#) - Environmental Political Theory, ENVT (4.0 cr)

· [SOC 3131](#) - World Population, ENVT

· [PHIL 2111](#) - Introductory Ethics, HUM (4.0 cr)
· Take 16 or more credit(s) from the following:
· 3xxx-4xxx Science and Mathematics Electives
Take 4 or more credit(s) from the following:
· [BIOL 3131](#) - Ecology, SCI-L (4.0 cr)
· [BIOL 4131](#) - Vertebrate Natural History, SCI-L (4.0 cr)
· [BIOL 4151](#) - Entomology, SCI-L (4.0 cr)
· [BIOL 4171](#) - Plant Systematics and Evolution, SCI-L (4.0 cr)
· [BIOL 4191](#) - Freshwater Biology, SCI-L (4.0 cr)
· [BIOL 4331](#) - Global Change Ecology, SCI (4.0 cr)
· [BIOL 4351](#) - Conservation Biology, SCI-L (4.0 cr)
· [CHEM 3101](#) - Analytical Chemistry, SCI-L (4.0 cr)
· [GEOL 3501](#) - Hydrology, SCI (4.0 cr)
· 3xxx-4xxx Social Science Electives
Take 4 or more credit(s) from the following:
· [ANTH 3204](#) - Culture, Food, and Agriculture, ENVT (4.0 cr)
· [ECON 3007](#) - Environmental and Natural Resource Economics I, ENVT (2.0 cr)
· [ECON 3008](#) - Environmental and Natural Resource Economics II, ENVT (2.0 cr)
· [HIST 3361](#) - An Environmental and Geographic History of the United States, ENVT (4.0 cr)
· [POL 3355](#) - Environmental Political Theory, ENVT (4.0 cr)
· [SOC 3131](#) - World Population, ENVT (4.0 cr)
· [SOC 3204](#) - Culture, Food, and Agriculture, ENVT (4.0 cr)
· 3xxx-4xxx Humanities and Education Electives

(4.0 cr)
· [SOC 3204](#) - Culture, Food, and Agriculture, ENVT (4.0 cr)
· Humanities and Education Electives
Take 0 or more credit(s) from the following:
· [ENGL 4012](#) - Research Seminar: Imagining the Earth, HUM (4.0 cr)
· [SPAN 3623](#) - Seminar: Ecology and Nature in Latin American Literature, ENVT (4.0 cr)

Take 0 or more credit(s) from the following:

- [ENGL 4012](#) - Research Seminar: Imagining the Earth, HUM (4.0 cr)
- [SPAN 3623](#) - Seminar: Ecology and Nature in Latin American Literature, ENVT (4.0 cr)

[^ Return to top of Program Requirements](#)

Sub-plans

Hide this section

Sub-plan requirement for this program:

No

<no change>

Sub-plan(s):

[^ Return to top of Sub-plan](#)

[^ Return to top of page](#)