



## 2012 - 2013 Environmental Studies Program (ENVI)

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### Program Goals

- To gain knowledge of contemporary environmental issues.
- To understand historical developments and backgrounds of today's environmental issues.
- To develop the ability to approach issues concerning the environment from a multi-disciplinary perspective.
- To foster active involvement in contemporary environmental debates, controversies, and activities.
- To discover information sources about, and appreciation for, outdoor environments and organizations.
- To be prepared for graduate or professional programs and for a variety of enriching careers.

### Objectives

Environmental Studies is an interdisciplinary program combining the perspectives of the humanities, natural sciences, and social sciences to provide students with multiple perspectives in some of the most challenging and exciting fields of inquiry today: the relationship between humans and the natural world, along with issues of conservation, preservation, pollution, global warming, rehabilitation, mitigation, endangered species, international development, and global change. The B. A. or B. S. degree in Environmental Studies can lead to careers working with business, industry, nonprofit environmental organizations, formal and informal education, and federal, state, and local governments, including jobs in national parks and national forests, in addition to continuing studies in graduate school and in law and medicine. The minor in Environmental Studies provides a useful multidisciplinary supplement to studies in other fields.

### Program Requirements

Environmental Studies majors will select one of four concentrations: The Civic Environment, Science and Environment, Culture and Environment, or the Environmental Contract Major. The concentration should be chosen after students have completed 60 hours of undergraduate credit. Students interested in the Environmental Studies major or minor should, during their first year, choose a faculty advisor who is a member of the Environmental Studies faculty.

### Academic Major in Environmental Studies—Bachelor of Arts Degree

Liberal Education Courses	Credit Hours
The following courses, which fulfill LE requirements, are required for the Environmental Studies major.	
BIOL 110 Environmental Biology, LE (3)	
Entering first-year students are encouraged to take the learning community course consisting of ENGL 110 and BIOL 110.	

Requirement Description	Credit Hours
<b>I. Foreign Language Requirement</b>	<b>8</b>
Environmental Studies majors must complete eight credit hours in a single foreign language.	
<b>II. Lower Division Courses</b>	<b>4</b>
ENVI 101 Introduction to Environmental Studies	4
<b>III. Distribution Courses</b>	<b>10-11</b>
All Environmental Studies majors must take at least one distribution course in Humanities and Social Sciences, chosen from the lists below:	

SCIENCES, CHOSEN FROM THE LISTS BELOW.	
<b>Humanities</b>	
ENGL 357	Environmental Literature(3)
HIST 320	Environmental History of the U.S. (3)
PHIL 307	Environmental Ethics (3)
<b>Natural Sciences</b>	
BIOL 110	Environmental Biology, LE (3)
BIOL 203	Introduction to Ecology (4)
ESS 205	Environmental Earth Sciences (4)
<b>Social Sciences</b>	
ANTH 311	Human Evolution and Archeology (4)
ECON 325	Environmental Economics (4)
PLSC 327	Environmental Politics and Policy (4)
<b>IV. Electives</b>	<b>15</b>
All candidates for the B.A. in Environmental Studies must take at least 15 hours of electives in consultation with their advisors. Electives can be taken from the list of Distribution courses, from the following list, or with advisor approval.	
ART 180	Photography, LE (3)
COMM 203	Writing for the Mass Media (4)
COMM 310	Professional Writing (4)
COMM 336	Public Relations Principles (3)
COMM 338	Principles of Advertising (4)
COMM 410	Technical Writing (4)
EDUC 382	Methods of Teaching Secondary School Science (3)
ENGL 324	Creative Writing: Nonfiction (1-4)
ENVI 300	Special Topics in Environmental Studies (1-4)
MATH 150	Elementary Statistics, LE (4)
PSYC 390	Quantitative Research Methods (4)
SOC 390	Social Research Methods (4)
SPCH 320	Principles of Argumentation (3)
<b>V. Fields of Concentration</b>	<b>13-16</b>
Students each choose from among the following fields of concentration:	
<b>A) Civic Environment:</b>	16
<i>Students must choose a minimum of four courses from the following, of which three must be numbered 300-level or above.</i>	
ANTH 252	Cultural Anthropology, LE (4)
ANTH 311	Human Ecology and Archeology (4)
ECON 263	Elementary Microeconomics, LE (4)
ECON 318	Microeconomic Theory (4)
ECON 325	Environmental Economics (4)
PLSC 303	Public Administration and Bureaucracy (4)
PLSC 327	Environmental Politics and Policy (4)
PLSC 355	Constitutional Law: Civil Liberties (4)
<b>B) Culture and Environment:</b>	13
<i>Students must choose a minimum of four courses from the following.</i>	
ANTH 252	Cultural Anthropology, LE (4)
ENGL 357	Environmental Literature (3)
HIST 320	Environmental History of the U.S. (3)
HIST 365	Utah and the West (3)
PHIL 307	Environmental Ethics (3)
<b>C) Environmental Studies Contract Major:</b>	15

Students who wish to create their own major must fulfill the requirements listed above, and will create a course program in consultation with the chair of Environmental Studies.	
<b>VI. Senior Project</b>	<b>4</b>
Students must take a senior capstone course, which will normally be ENVI 405. In special circumstances, a student may substitute a senior thesis, internship, service-learning project, field research project, or other course or project. The course must be approved in advance by the student's advisor and the chair of Environmental Studies.  ENVI 405 Senior Seminar (4)	
<b>TOTAL HOURS FOR THE ACADEMIC MAJOR</b>	<b>54-58</b>

**Academic Major in Environmental Studies—Bachelor of Science Degree**

Liberal Education Courses	Credit Hours
Life Sciences, Physical Sciences, and Mathematics liberal education requirements are fulfilled by meeting major requirements.	

Requirement Description	Credit Hours
<b>I. Foreign Language Requirement</b>	<b>8</b>
Environmental Studies majors must complete eight credit hours in a single foreign language.	8
<b>II. Core Courses</b>	<b>32</b>
BIOL 202 Organisms and Evolution (4) or BIOL 204 Principles of Genetics (4) or BIOL 205 Introduction to Cell Biology (4)	4
BIOL 203 Introduction to Ecology	4
BIOL 345 Environmental Science and Lab	4
CHEM 111 Principles of Chemistry I and Lab	4
CHEM 112 Principles of Chemistry II and Lab	4
ESS 205 Environmental Earth Sciences	4
ENVI 101 Introduction to Environmental Studies	4
MATH 240 Statistics for the Sciences	4
<b>III. Distribution Courses</b>	<b>7</b>
All Environmental Studies majors must take at least one distribution course in Humanities and Social Sciences, chosen from the lists below:  <b>Humanities</b> ENGL 357 Environmental Literature (3) HIST 320 Environmental History of the U.S. (3) PHIL 307 Environmental Ethics (3) <b>Social Sciences</b> ANTH 311 Human Evolution and Archeology (4) ECON 325 Environmental Economics (4) PLSC 327 Environmental Politics and Policy (4)	
<b>IV. Electives</b>	<b>7</b>
All candidates for the B.S. in Environmental Studies must take at least 7 hours of electives in consultation with their advisors. Electives can be taken from the list of Distribution courses, from the following list, or with advisor approval.  ART 180 Photography, LE (3) COMM 203 Writing for the Mass Media (4) COMM 310 Professional Writing (4)	

COMM 336	Public Relations Principles (3)	
COMM 338	Principles of Advertising (4)	
COMM 410	Technical Writing (4)	
EDUC 382	Methods of Teaching Secondary School Science (3)	
ENGL 324	Creative Writing: Nonfiction (1-4)	
ENVI 300	Special Topics in Environmental Studies (1-4)	
PSYC 390	Quantitative Research Methods (4)	
SOC 390	Social Research Methods (4)	
SPCH 205	Business and Professional Communication (2)	
SPCH 320	Principles of Argumentation (3)	
<b>V. Science and Environment Concentration</b>		<b>15-16</b>
Students must choose a minimum of four courses from the following list or have advisor approval to substitute other relevant courses. Three courses Must be numbered 300 or above. Students are limited to 4 credit hours earned during May term.		
BIOL 310	Plant Biology and Lab (4)	
BIOL 313	Astrobiology (4)	
BIOL 321	History of Life on Earth (3)	
BIOL/CHEM 350	Biochemistry and Lab (4)	
BIOL 404	Advanced Ecology (4)	
CHEM 303	Organic Chemistry I (4)	
CHEM 304	Organic Chemistry II (4)	
CHEM 307	Instrumental Analysis and Lab (4)	
CHEM 320	Inorganic Chemistry (4)	
ESS 110	Intro to Geology (4)	
ENVI 300	Special Topics, as approved (4)	
<b>VI. Senior Project</b>		<b>4</b>
Students must take a senior capstone course, which can be a senior seminar, senior thesis, internship, service-learning project, field research project, or other course or project. Such courses usually constitute 4 credit hours. The capstone course must be approved in advance by the student's advisor and the Chair of Environmental Studies.		
ENVI 405	Senior Seminar (4)	
<b>TOTAL HOURS FOR THE MAJOR</b>		<b>73-74</b>

Recommended Plan of Study for Environmental Studies

	Fall Semester	Spring Semester
<b>Freshman Year</b>	BIOL 203 CHEM 111 MATH 240 LE course	BIOL 202 or 204 or 205 CHEM 112 ENVI 101 LE course
<b>Sophomore Year</b> <i>Required meeting with Environmental Studies advisor</i>	BIOL 345 Distribution courses Concentration courses LE courses	ESS 205
<b>Junior Year</b>	Final distribution courses Concentration courses Elective course Consider an internship	
<b>Senior Year</b>	Final concentration courses Final electives Senior seminar	

Academic Minor

Requirement Description	Credit Hours
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<b>I. Required Courses</b>	<b>14-15</b>
ENVI 101 Introduction to Environmental Studies 4	
<i>And at least one distribution course in Humanities, Natural Sciences, and Social Sciences, chosen from the lists below:</i>	10-11
<b>Humanities</b>	
ENGL 357 Environmental Literature (3)	
HIST 320 Environmental History of the U.S. (3)	
PHIL 307 Environmental Ethics (3)	
<b>Natural Sciences</b>	
BIOL 110 Environmental Biology, LE (4)	
BIOL 203 Introduction to Ecology (4)	
ESS 205 Environmental Earth Sciences (4)	
<b>Social Sciences</b>	
ANTH 311 Human Evolution and Archeology (4)	
ECON 325 Environmental Economics (4)	
PLSC 327 Environmental Politics and Policy (4)	
<b>II. Electives</b>	<b>9</b>
Nine additional hours chosen in consultation with the student's minor advisor or the chair of the Environmental Studies Program. These can be chosen in the same manner as the electives for the major as described above.	
<b>TOTAL HOURS FOR THE ACADEMIC MINOR</b>	<b>23-24</b>