

## Environmental Studies

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### Objectives

Environmental Studies links the natural sciences with the social sciences and humanities in an integrative sequence that moves from the earth, to life, to human beings and spirit. Ecology provides the framework for seeing the whole of the web of natural systems, and for discovering humans' appropriate role within them. The multi-disciplinary program is an approach to understanding the environmental crisis and developing strategies for its solution.

In addition to a solid academic grounding, students will develop skills and knowledge through field studies and internships within the community. These experiences offer students opportunities to learn about problems first-hand, to test ideas in the field, and to understand whole systems in nature directly through study of various local and regional landscapes. Internships give students an opportunity to work with groups and leaders in the community while they provide first-hand experiences into issues and dynamics of environmental policies, organizations and agencies, advocacy, planning, and consulting.

Students majoring in environmental studies will be prepared to pursue further graduate studies in a variety of areas such as environmental studies, environmental law, forestry, sociology and history, geography, the political sciences, master in teaching, and planning. They will find rewarding careers in federal, state, and local environmental regulatory agencies, consulting firms, environmental businesses, environmental education, and in a variety of local and regional land-use planning positions.

### Degree Offered

Bachelor of Arts

### Majors Offered

Environmental Studies

Environmental Studies with a specialization in Public Policy and Urban Affairs

### Minor Offered

Environmental Studies

### Bachelor of Arts

#### Major in Environmental Studies

In order to earn the bachelor of arts degree with a major in environmental studies, students must complete a minimum of 180 credits with a cumulative and a major grade point average of 2.00, including the following:

#### I. Core Curriculum Requirements

ENGL 110	College Writing: Inquiry and Argument .....	5
PHIL 110	Introduction to Philosophy and Critical Thinking .....	5
Choose one of the following two courses: .....		5
HIST 120	Origins of Western Civilization	
HIST 121	Studies in Modern Civilization	
ENGL 120	Introduction to Literature .....	5

MATH 118 or 120 or above .....	5
Lab Science satisfied by EVST 100 .....	*
Fine Arts (one approved 5 credit course; see course description) .....	5
PHIL 220            Philosophy of the Human Person.....	5
Social Science I .....	5
Social Science II (ECON 271 or 272 required) .....	*5
Theology and Religious Studies Phase II (200-299) .....	5
Ethics (upper division).....	5
Theology and Religious Studies III satisfied by THRS 324.....	*
Interdisciplinary .....	3 to 5
Environmental Studies Senior Synthesis (EVST 489 and 490 required) .....	*5

\*Included in major GPA.

## II. College of Arts and Sciences Requirements

History requirement satisfied by HIST 351

Modern Language 115, 125, 135, or equivalent ..... 15

**NOTE:** All students with a major in the College of Arts and Sciences must demonstrate competency through the level of 135 in a language other than English. This competency is ordinarily achieved by successful completion of the three-course sequence: 115, 125, and 135. Because these courses are a college requirement, no courses in the sequence may be taken on a pass/fail, correspondence, or audit basis. Placement into other than the beginning course of the sequence is achieved by acceptable performance on the Modern Language Competency Examination. See the Modern Languages Department for details on the examinations. Courses used to satisfy the College of Arts and Sciences modern language requirement may not be used to fulfill environmental studies major requirements.

### III. Major Program Requirements

75-76 credits, up to 20 of which may be counted both for the major and core requirements. Courses marked with an asterisk (\*) could satisfy both the major and the core.

#### Area I: Natural Sciences: 20 credits, including:

EVST 100            Introduction to Geosystems ..... \*5

EVST 200            Introduction to Ecological Systems ..... 5

Choose one of the following two courses in physical science: ..... 5

ISSC 120            Introduction to Geology

ISSC 207            Air and Water

Choose one of the following three options in ecological science: ..... 5

BIOL 275            Marine Biology

BIOL 470            General Ecology

An approved summer course from Blakely Island Field Studies

#### Area II: Social Sciences: 25-26 credits including:

ANTH 338            Culture, Ecology and Geography ..... 5

PLSC 300            Environmental Politics ..... 5

PUBA 201            Foundations of Public Administration ..... 5

Choose one of the following six courses: ..... 5

ANTH 230            Cultural Analysis

EVST 474            International Environmental Governance

EVST 483	Sustainable Development in the Tropics	
PLSC 480	The Human Prospect*	
PLSC 483	Native American Encounters*	
PSYC 481	Ecological Psychology*	
Choose a. or series b.:		5 to 6
a. ECON 468	Natural Resources and Environmental Economics	
b. CEEGR 476	Environmental Law and Impact Studies (4)	
EVST 475	Impact Statement Analysis (2)	

### Area III: Humanities: 20 credits, including:

HIST 351	Environmental History	*5
PHIL 378	Environmental Philosophy	*5
THRS 324	Religion and Ecology	*5
Choose one of the following two courses:		5
EVST 360	Nature Writing and Environmentalism	
HIST 341	The Pacific Northwest	

### Area IV: Statistical Methods

Choose one of the following two courses:		5
ECON 260	Business Statistics	
PSYC 201	Statistics for Non-Majors	

### Area V: Internship

EVST 495	Internship	5
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**NOTE:** 1. Students are strongly encouraged to seek a minor with their remaining elective credits in close consultation with their advisor. Suggested minors include biology, communication (journalism/mass communication), economics, political science, nonprofit leadership, and sociology. A maximum of 15 credits from the major may be used towards a minor. 2. Additional courses meeting the major requirements will be footnoted in the environmental studies section of the Schedule of Classes each quarter. 3. A maximum of 20 credits of the environmental studies major courses may also be used to satisfy university core requirements, these courses are marked with an asterisk (\*) above; courses so used will be included in the major GPA calculation.

## Bachelor of Arts

### Major in Environmental Studies

#### Public Policy and Urban Affairs Specialization

In order to earn the degree of bachelor of arts with a major in environmental studies public policy and urban affairs specialization students must complete a minimum of 180 credits with a cumulative grade point average of 2.00 and a major grade point average of 2.00 including the following:

#### I. Core Curriculum Requirements

ENGL 110	College Writing: Inquiry and Argument	5
PHIL 110	Introduction to Philosophy and Critical Thinking	5
Choose one of the following two courses:		5
HIST 120	Origins of Western Civilization	
HIST 121	Studies in Modern Civilization	

ENGL 120	Introduction to Literature .....	5
MATH 118 or 120 or above .....		5
Lab Science satisfied by EVST 100 .....		*
Fine Arts (one approved 5 credit course; see course description) .....		5
PHIL 220	Philosophy of the Human Person.....	5
Social Science I .....		5
Social Science II (ECON 272 required).....		*5
Theology and Religious Studies Phase II (200-299) .....		5
Ethics (upper division).....		5
Theology and Religious Studies III satisfied by THRS 324.....		*
Interdisciplinary .....		3 to 5
Environmental Studies Senior Synthesis (EVST 489 and 490 required) .....		*5

\*Included in major GPA.

## II. College of Arts and Sciences Requirements

History requirement satisfied by HIST 351

Modern Language 115, 125, 135, or equivalent ..... 15

**NOTE:** All students with a major in the College of Arts and Sciences must demonstrate competency through the level of 135 in a language other than English. This competency is ordinarily achieved by successful completion of the three-course sequence: 115, 125, and 135. Because these courses are a college requirement, no courses in the sequence may be taken on a pass/fail, correspondence, or audit basis. Placement into other than the beginning course of the sequence is achieved by acceptable performance on the Modern Language Competency Examination. See the Modern Languages Department for details on the examinations. Courses used to satisfy the College of Arts and Sciences modern language requirement may not be used to fulfill environmental studies major requirements.

## III. Major Program Requirements

One hundred credits, up to 20 of which may be counted both for the major and core requirements. Courses marked with an asterisk (\*) could satisfy both the major and the core.

### Area I: Natural Sciences: 20 credits, including:

EVST 100 Introduction to Geosystems ..... \*5

EVST 200 Introduction to Ecological Systems ..... 5

Choose one of the following two courses in physical science ..... 5

ISSC 120 Introduction to Geology

ISSC 207 Air and Water

Choose one of the following three options in ecological science..... 5

BIOL 275 Marine Biology

BIOL 470 General Ecology

An approved summer course from Blakely Island Field Studies

### Area II: Social Sciences: 20 to 21 credits including

ANTH 338 Culture, Ecology and Geography ..... 5

PLSC 300 Environmental Politics ..... 5

PUBA 201 Foundations of Public Administration ..... 5

Choose a. or series b.: ..... 5 to 6

a. ECON 468 Natural Resources and Environmental Economics

b. CEEGR 476 Environmental Law and Impact Studies (4)

EVST 475 Impact Statement Analysis (2)

**Area III: Humanities: 15 credits, including:**

HIST 351	Environmental History .....	*5
PHIL 378	Environmental Philosophy .....	*5
THRS 324	Religion and Ecology .....	*5

**Area IV: Statistical Methods: 5 credits**

Choose one of the following two courses .....		5
ECON 260	Business Statistics	
PSYC 201	Statistics for Non-Majors	

**Area V: Internship**

EVST 495	Internship.....	5
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**Area VI: Public Policy and Urban Affairs**

In order to earn a specialization in public policy and urban affairs, students must complete 35 credits including:

PLSC 200	Introduction to American Politics .....	5
ECON 271	Principles of Economics-Macro .....	5
NPLR 215	Introduction to the Nonprofit Sector .....	5
PLSC 309	Local and State Politics.....	5
PUBA 350	Exploring the American City: Urban Design and Community Development .....	5
PUBA 353	Housing Design and the Sustainable Community.....	5
Choose one of the following three courses .....		5
ECON 468	Natural Resources and Environmental Economics	
ECON 471	Government Finance	
ECON 478	Urban/Regional Economics	

**Minor in Environmental Studies**

In order to earn a minor in environmental studies, students must complete 30 credits in environmental studies, including:

Choose one of the following two courses .....		5
EVST 100	Introduction to Geosystems	
EVST 200	Introduction to Ecological Systems	
ANTH 338	Culture, Ecology and Geography .....	5
HIST 351	Environmental History .....	5
PHIL 378	Environmental Philosophy .....	5
PLSC 300	Environmental Politics .....	5
THRS 324	Religion and Ecology .....	5

See policy for minors (84-1) for more information.

**Environmental Studies Courses**

EVST 100	Introduction to Geosystems .....	5
Study of the earth's dynamic systems, including earth, air, water, and energy. Special topics focus on natural resources, sustainability and society's interactions with geosystems. Four lecture/discussion hours, three laboratory hours per week. Counts as core lab science for environmental studies majors only.		

- EVST 200 Introduction to Ecological Systems ..... 5**  
 The study of the basic structure and function of natural ecosystem: energy flow and nutrient cycling. Exploration of the earth's major biomes and their importance to human existence. Case studies of human impacts on ecosystems of the Pacific Northwest and the practical application of ecological theory to ecosystem restoration. Four lecture/discussion hours, three laboratory hours per week; one weekend field trip. Strongly recommended: EVST 100.
- EVST 296 Directed Study ..... 1 to 5**
- EVST 360 Nature Writing and Environmentalism ..... 5**  
 Exploration of the rich tradition of nature writing from Thoreau to Annie Dillard in which an "ecological conscience" emerges in response to the environmental crises of our time.
- EVST 391-393 Special Topics ..... 1 to 5**
- EVST 396 Directed Study ..... 1 to 5**
- EVST 474 International Environmental Governance ..... 5**  
 Examines the issues and challenges involved in managing environmental resources of global importance such as forests, biodiversity, air, oceans, and our climate. Focus is on the design, implementation, and effectiveness of international environmental conventions and considers the conditions when conventions succeed or fail.
- EVST 475 Impact Statement Analysis ..... 2**  
 Stages of preparation of Environmental Impact Studies (EIS). Analysis of effects of EIS, roles of National and State Environmental Protection Acts. Significance of EIS for environmental justice. Prerequisite: junior standing.
- EVST 480 Interdisciplinary Core Course ..... 3 to 5**  
 Title and content vary.
- EVST 481 Living in the Environment ..... 5**  
 A core interdisciplinary course that stresses an integrated approach to understanding, confronting, and solving our environmental problems. Students will be engaged in the study of the moral, ethical, historical, social, cultural, and natural principles that have brought us to our present ecological precipice. Students will explore the attitudes and actions that can lead to an equitable lifestyle for humans as part of sustainable ecosystems.
- EVST 482 Current Issues in Environment and Society ..... 5**  
 Interdisciplinary inquiry into a contemporary issue of particular significance. Students learn about natural-science principles underlying the issue, and consider its significance for humans and human societies. Seminar format emphasizing student-led critical analysis of readings. Assignments include regular brief papers and major research project. Prerequisite: junior standing or higher. Open to majors and non-majors.
- EVST 483 Sustainable Development in the Tropics ..... 5**  
 Examines sustainable development by analyzing the tensions between conservation and development in tropical biodiversity conservation. Particular attention is paid to the actors and the cultural, economic, and biophysical conditions of the tropics that make sustainable development and conservation particularly challenging. Course objectives are to look at the different perspectives on sustainable development and conservation and to consider the pros and cons of various strategies to conserve the environment and promote development. Cross-listed with NPLR 483 and PUBA 483. Core interdisciplinary option.

<b>EVST 489</b>	<b>Senior Synthesis I: Environmental Leadership</b> .....	<b>3</b>
<p>First course in a required two-quarter sequence involving application of liberal education to current environmental issues through critical analysis and collaborative research. In this first course, students reflect on college experience and articulate a personal environmental philosophy grown from that experience. Based on this personal philosophy, students then develop individual research proposals focused on current issues of particular interest and importance. Research topic reflects student's individual skills, talents, and sense of priorities around environmental work. Proposals, developed in consultation with class, include analysis of the topic's importance, literature review, development of methodology, and presentation of research plan. Prerequisite: senior standing. Major requirement; satisfies part of core curriculum senior synthesis. Open to non-majors with instructor permission.</p>		
<b>EVST 490</b>	<b>Senior Synthesis II: Research</b> .....	<b>2</b>
<p>Second course in a required two-quarter sequence focuses on execution of research and regular class review of drafts, culminating in public presentation of research results. Written research report includes standard professional paper components: abstract, introduction, methodology, results, data analysis, conclusions, bibliography. Public presentation of research study and results. Prerequisite: senior standing. Major requirement; satisfies part of core curriculum senior synthesis. Open to non-majors with instructor permission.</p>		
<b>EVST 491-493</b>	<b>Special Topics</b> .....	<b>1 to 5</b>
<b>EVST 495</b>	<b>Internship</b> .....	<b>1 to 5</b>
<b>EVST 496</b>	<b>Independent Study</b> .....	<b>1 to 5</b>
<b>EVST 497</b>	<b>Directed Reading</b> .....	<b>1 to 5</b>
<b>EVST 498</b>	<b>Directed Research</b> .....	<b>1 to 5</b>