

**Curriculum map**

**ENVIRONMENTAL STUDIES PROGRAM**

*\*NOTE: IF YOUR UNIT OFFERS MORE THAN ONE DISTINCT MAJOR, PLEASE INCLUDE A SEPARATE MAP FOR EACH IN THIS FILE*

**Learning outcomes (LOs):** Having completed a major in **Environmental Studies**, a student will be able to:

1. Articulate the contributions from the social sciences, natural sciences, and humanities in understanding environmental issues.
2. Articulate major root causes of environmental problems and avenues for addressing them.
3. Discuss several key concepts within the field of environmental studies (e.g. sustainability, environmental justice, climate change, humans' varied ways of understanding and representing nature, the relationship between nature and culture), drawing on interdisciplinary perspectives.
4. Demonstrate critical thinking and communication skills, including the ability to:
  - a) Critically analyze environmental information, data and problems
  - b) Interpret a variety of environmental writings
  - c) Synthesize diverse information sources
  - d) Communicate effectively through written and oral communication

**Key:** I = introduces outcome; D = develops outcome; A = assesses mastery of outcome; ( ) = variable

Course(s)	Title/description	LO 1	LO 2	LO 3	LO 4a	LO 4b	LO 4c	LO 4d
	<b>Area 1: Core Requirements (Foundations)</b>							
ENVS 201	Introduction to Environmental Studies: Social Sciences	I	I	I	I	I	I	D
ENVS 202	Introduction to Environmental Studies: Natural Sciences	I	I	I	I	I	I	D
ENVS 203	Introduction to Environmental Studies: Humanities	I	I	I	I	I	I	D
	<b>Area 2: Lower Division Math and Science Requirements</b>							
MATH 100 +	University Mathematics, College Algebra or Elementary Functions	-	-	-	I	-	-	-
MATH 245, 425, or SOC 312, or GEOL 418	Statistical Methods	-	-	-	ID	-	-	-
4 courses from numerous options	One year natural science sequence in biology, chemistry, geology, or physics, plus one additional course from a different sequence	ID	-	(I)	ID	-	-	-
	<b>Area 3A: Upper Division Natural Science core</b>							
2 courses from numerous options	Two upper division natural science courses selected from a list of over 80 courses	D	-	(D)	DA	-	D	D
	<b>Area 3B: Social Science core (1 course minimum)</b>							
ENVS 435	Environmental Justice	D	D	D	D	D	D	DA
ENVS 450	Political Ecology	D	D	D	D	D	D	DA
ENVS 455	Sustainability	D	D	D	D	D	D	DA
GEOG 341	Population & Environment	D	D	D	D	D	D	DA

College of Arts and Sciences, University of Oregon (Fall 2014)

Course(s)	Title/description	LO 1	LO 2	LO 3	LO 4a	LO 4b	LO 4c	LO 4d
SOC 416	Issues in Sociology of the Environment (Soc of Climate Change)	D	D	D	D	D	D	DA
	<b>Area 3B: Policy core</b> (1 course minimum)							
ENVS 335	Allocating Scarce Environmental Resources	D	D	D	DA	D	D	D
PPPM 331	Environmental Management	D	D	D	D	D	D	D
PPPM 443	Natural Resource Policy	D	D	D	D	D	D	D
PPPM 444	Environmental Policy	D	D	D	D	D	D	D
PS 477	International Environmental Politics	D	D	D	D	D	D	D
	<b>Area 3B: Humanities core</b> (1 course minimum)							
ENG 469	Literature and the Environment	D	(D)	D	D	D	D	D
ENVS 345	Environmental Ethics	D	D	D	DA	DA	DA	DA
HIST 473	American Environmental History	D	D	DA	DA	DA	DA	DA
PHIL 340	Environmental Philosophy	D	D	D	DA	DA	DA	DA
	<b>Area 3B: Sustainable Design and Practice core</b> (1 course min.)							
ARCH 430	Architectural Contexts: Place & Culture	I	D	D	-	-	DA	D
ARCH 431	Community Design	I	I	D	D	-	DA	D
ARCH 435	Principles of Urban Design	I	I	D	D	-	DA	D
ENVS 467	Sustainable Agriculture	D	D	D	D	D	D	D
LA 413	Analyzing Land Systems	D	D	D	D	D	D	D
LA 440	Introduction to Landscape Planning Analysis	D	D	D	D	D	D	D
PPPM 442	Sustainable Urban Development	D	D	D	D	D	D	D
PPPM 445	Green Cities	D	D	D	D	D	D	D
	<b>Area 4. Environmental Issues</b>							
ENVS 411	Topics: Environmental Issues	D	D	D	DA	D	DA	D
ENVS 425	Environmental Education: Theory & Practice	D	DA	DA	-	-	DA	DA
ENVS 427	Environmental and Ecological Monitoring	D	D	-	DA	-	DA	DA
	<b>Area 5. Practical Learning Experience</b>							
ENVS 403	Honor's Thesis	DA	DA	DA	DA	DA	DA	DA
ENVS 404	Internship	-	DA	(DA)	(DA)	-	(DA)	D
ENVS 429	Environmental Leadership Program	DA	DA	DA	DA	-	DA	A

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**ENVIRONMENTAL STUDIES PROGRAM**

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1. Articulate the contributions from the social sciences, natural sciences, and humanities in understanding and addressing environmental issues.
2. Discuss major root causes of environmental problems and avenues for addressing them.
3. Discuss several key concepts within the field of environmental sciences (e.g., biodiversity and biological conservation, climate change, watershed health, water and nutrient cycles, energy flows), drawing on interdisciplinary perspectives.
4. Demonstrate critical thinking and communication skills, including the ability to:
  - a) Critically analyze environmental information, data and problems
  - b) Interpret scientific writing
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ENVS 203	Introduction to Environmental Studies: Humanities	I	I	I	I	-	I	D
	<b>Area 2: Math and Statistics Requirements</b>							
MATH 246,247 Or 251-252	Calculus I, II or Calculus for Biological Sciences	-	-	-	I	-	-	-
BI 473, GEOG 495, GEOL 418, MATH 425, SOC 312	One Statistical Methods course (from Quantitative Ecology, Geographic Data Analysis, Data Analysis for Earth and ESCI, Statistical Methods, Quantitative Methods in Sociology)	-	-	-	ID	-	-	-
ENVS 427, GEOG 481, PPPM 434	One Analytical Approaches course (from Environmental & Ecological Monitoring, GI Science I, Urban GIS)	D	(D)	(D)	D	DA	(D)	(DA)
	<b>Area 3A: Natural Science requirements</b>							
Lower division into sequences	2 + year-long natural science sequences in biology, chemistry, geology, or physics	D	(D)	D	ID	ID	ID	ID
Upper division courses	8 + upper division natural science courses selected from a list of over 80 courses, 6 in focal area, at least 2 in non-focal area	DA	(D)	DA	DA	DA	DA	DA
	<b>Area 3B: Social Science core (1 course)</b>							
ENVS 435	Environmental Justice	D	D	D	D	-	D	DA
ENVS 450	Political Ecology	D	D	D	D	-	D	DA
ENVS 455	Sustainability	D	D	D	D	-	D	DA
GEOG 341	Population & Environment	D	D	D	D	-	D	DA

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	<b>Area 3B: Policy core</b> (1 course)							
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PPPM 331	Environmental Management	D	D	D	D	-	D	D
PPPM 443	Natural Resource Policy	D	D	D	D	-	D	D
PPPM 444	Environmental Policy	D	D	D	D	-	D	D
PS 477	International Environmental Politics	D	D	D	D	-	D	D
	<b>Area 3B: Humanities core</b> (1 course)							
ENG 469	Literature and the Environment	D	(D)	D	D	-	D	D
ENVS 345	Environmental Ethics	D	D	D	DA	-	DA	DA
HIST 473	American Environmental History	D	D	DA	DA	-	DA	DA
PHIL 340	Environmental Philosophy	D	D	D	DA	-	DA	DA
	<b>Area 3B: Sustainable Design &amp; Practice core</b> (1 course)							
ARCH 430	Architectural Contexts: Place & Culture	I	D	D	-	-	DA	D
ARCH 431	Community Design	I	I	D	D	-	DA	D
ARCH 435	Principles of Urban Design	I	I	D	D	-	DA	D
ENVS 467	Sustainable Agriculture	D	D	D	D	-	D	D
LA 413	Analyzing Land Systems	D	D	D	D	-	D	D
LA 440	Introduction to Landscape Planning Analysis	D	D	D	D	-	D	D
PPPM 442	Sustainable Urban Development	D	D	D	D	-	D	D
PPPM 445	Green Cities	D	D	D	D	-	D	D
	<b>Area 4. Environmental Issues</b>							
ENVS 411	Topics: Environmental Issues	D	D	D	D	D	DA	D
ENVS 425	Environmental Education: Theory & Practice	D	DA	DA	-	-	DA	DA
	<b>Area 5. Practical Learning Experience</b>							
ENVS 403	Honor's Thesis	DA	DA	DA	DA	DA	DA	DA
ENVS 404	Internship	-	DA	DA	(DA)	-	(DA)	D
ENVS 429	Environmental Leadership Program	DA	DA	DA	DA	(D)	DA	DA

**Learning outcomes explanations**

**ENVIRONMENTAL STUDIES PROGRAM/ ENVIRONMENTAL STUDIES MAJOR**

We did not need to abbreviate our learning outcomes above, so this space not needed.

**General Education offerings**  
**ENVIRONMENTAL STUDIES PROGRAM**

Environmental Studies offers four General Education courses: ENVS 201, 202, 203 and 345. The 200-sequence provides the interdisciplinary foundation for our majors – presenting social science, natural science and humanities perspectives on environmental issues. In addition, the 200-sequence serves non-majors, introducing them to interdisciplinary thinking about the critical environmental issues facing society today.

**ENVS 201** introduces the social ‘root causes’ of environmental problems –as well as approaches to resolving these problems. Students explore: 1) social conditions that lead to environmentally harmful behavior, 2) personal and social responsibility, 3) the increasing interdependence of natural and cultural systems, and 4) various social responses (e.g. ‘sustainability’, ‘market-based’ environmental policies, property system reforms, and social movements that promote environmental justice).

**ENVS 202** provides natural science perspectives on major environmental problems. It examines: 1) the value and limitations of science in understanding environmental issues, 2) how science works and who does science, 3) scientific concepts underlying selected environmental problems, 4) working with quantitative and graphical information, and 5) selected environmental science issues that impact our lives. It helps students to gain confidence to think creatively, analytically, and objectively about environmental issues.

**ENVS 203** explores the moral foundations of human interaction with the natural world. It is a survey of the contribution of humanities disciplines—including cultural studies, intellectual history, literary analysis, religious studies, and philosophy—to understanding the relationship between human beings and the natural environment. Theoretical perspectives discussed include the intellectual history of cultural attitudes and perceptions of nature, the role of religion in shaping environmental values, indigenous perspectives on the environment, and investigations of the root causes of environmental problems.

**ENVS 345** introduces key concepts and methods in environmental ethics with an eye toward their application in environmental conservation and management as well as in daily life. Topics include: the ethical value of nature and non-human species, the relation between economic and ethical evaluations, and problems of resource distribution and environmental justice.