

Summer 2025 Course Lists for ENVS Majors

NATURAL SCIENCE REQUIREMENTS

Purpose: Understand the scientific method in the natural sciences, how it generates knowledge, and be able to relate the results of scientific research to problems and questions as they relate to the environment, broadly defined.

Introductory Sequence in Environmental Studies

ENVS 1000 (4) Introduction to Environmental Studies A, B

Introductory Sequence in Biology or Earth Science

EBIO 1210 (3) General Biology 1 A, CE1
 EBIO 1220 (3) General Biology 2 B, CE10wk
 EBIO 1230 (1) General Biology 1 lab A
 EBIO 1240 (1) General Biology 2 lab A
 ATOC 1050 (3) Weather and the Atmosphere A, CE1
 ATOC 1060 (3) Our Changing Environment B, CE2
 ATOC 1070 (1) Weather and the Atmosphere lab A
 GEOG 1001 (4) Environmental Systems 1—
 Climate and Vegetation with lab A, CE2
 GEOL 1010 (3) Exploring Earth CE10wk
 GEOG 1011 (4) Our Changing Planet: Landscapes and Wate B, CE1
 GEOL 1020 (3) Dodo, Dinos, and Deinococcus:
 The History of a Habitable Planet CE10wk

Introductory Sequence in Chemistry or Physics

CHEM 1113 (4) General Chemistry 1 A
 CHEM 1114 (1) General Chemistry 1 lab A
 PHYS 1110 (4) General Physics 1 A
 PHYS 2010 (5) General Physics 1 with lab A

Intermediate Natural Science

ENVS 2000 (4) Applied Ecology for ENVS A
 EBIO 2040 (4) Principles of Ecology A
 GEOG 3601 (3) Principles of Climate CE10wk

SOCIAL SCIENCE REQUIREMENTS

Purpose: Gain a basic knowledge of existing environmental laws and policies and the processes through which they are developed and implemented. Become familiar with the drivers of human actions regarding social-ecological systems. Learn to analyze environmental problems and critically assess the ways in which public policies may help to address them.

Intermediate Policy

PSCI 2106 (3) Introduction to Public Policy Analysis B

Intermediate Social Science

ENVS 3032 (3) Environment, Media and Society CE10wk

Students are responsible for knowing and abiding by co- and prerequisites.

Read course descriptions.

*Contact host department to enroll.

VALUES REQUIREMENTS

Purpose: Examine the economic drivers and underlying moral beliefs, personal and social ethics, principles, and theoretical commitments that often inform environmental discourse and also drive decision-making.

Economics

ECON 2010 (4) Principles of Microeconomics
ECON 3545 (3) Environmental Economics

A, CE8wk
CE8wk

Ethics

ENVS/PHIL 3140 (3) Environmental Ethics
PSCI 3064 (3) Environmental Political Theory

Maymester, A, CE2
B

SKILLS REQUIREMENTS

Purpose: Math—Learn to use mathematical approaches to quantify, understand, and develop solutions to complex issues. Writing—Develop an understanding of rhetorical situations in professional writing and be able to apply critical thinking skills when communicating. Learn to frame a problem and develop an idea from knowledge based on evidence. Application—Acquire practical and “hands-on” experience applying knowledge and skills outside the classroom. Improve the ability to integrate knowledge and skills taught in the ENVS major and emphasize their real- world applications.

Statistics or Calculus 1

MATH 2510 (3) Introduction to Statistics (QRMS)
PSCI 2075 (3) Quantitative Research Methods (QRMS)
PSYC 2111 (4) Psychological Science 1: Statistics
SOCY 2061 (3) Introduction to Social Statistics (QRMS)
MATH 1300 (5) Calculus 1 (QRMS)
APPM 1350 (4) Calculus 1 for Engineers (QRMS)
GEOG 3023 (4) Statistics and Geographic Data

A, B, CE8wk, CE10wk
B
A, CE10wk
A, CE10wk
D
C
A, CE10wk

Writing

ENVS 3020 (3) Advanced Writing in Environmental Studies

Maymester, CE10wk

Application

EBIO 4100 (3) Advanced Ecology:

750 Vegetation Ecology

751 Field Ornithology

752 Bioinformatics in the Mtns

753 Microbial Ecology in the Mtns

754 Lake & Stream Ecology

755 Forest & Fire Ecology

CE3wks
CE3wks
CE2wks
CE2wks
CE3wks
CE3wks

ENVS 3930 (3) Internship

(contact Warren.Cook@colorado.edu for information)

D

ENVS/EBIO 4340 (4) Conservation Biology and Practice in
Brazil's Atlantic Forest

[Study Abroad](#)

ENVS 3100 (3) Topics in Applied Environmental Studies:

581 Human-Wildlife Interaction

582 Environmental Data Science

CE10wk
CE10wk

Students are responsible for knowing and abiding by co- and prerequisites.

Read course descriptions.

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800 Environmental Entrepreneurship	Study Abroad
ANTH 3770 (3) Primates of Vietnam: Conservation in a Rapidly Developing Country	Study Abroad
ARSC 3200 (3) CU in DC, Science Policy	Study Abroad
GEOL 2700 (2) Introduction to Field Geology	Maymester

CORNERSTONE REQUIREMENT

Purpose: Synthesize lower-division environmental coursework into a cohesive knowledge base to prepare for specialization and capstone courses.

ENVS 3520 (3) Energy and Climate Change	CE8wk
ENVS 3525 (3) Intermediate Environmental Problem Analysis	CE1
ENVS 3621 (3) Energy Policy and Society	B

CAPSTONE REQUIREMENT

Purpose: Pursue intellectual integration of the multiple disciplines within Environmental Studies and demonstrate competence in integrative analysis and problem solving.

ENVS 4800 (3) Critical Thinking in Environmental Studies Globalization and the Environment	CE1
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SPECIALIZATION REQUIREMENT

Purpose: Focus on one aspect of environmental studies and develop a greater depth of understanding on the topic. To explore focus areas and learn how to select courses that align with students' interests, the student should refer to the ENVS Guidance Documents on the program's undergraduate curriculum web pages. Example specialization areas: Climate, Energy, Hydrology, Natural Resources, Sustainable Development, Environmental Justice, Public Health

ENVS 3100 (3) Topics in Applied Environmental Studies: <i>can apply to specialization if the other listed requirement has already been fulfilled:</i>	
581 Human-Wildlife Interaction	CE10wk
582 Environmental Data Science	CE 10wk
800 Environmental Entrepreneurship	Study Abroad
<i>can apply to specialization if the other listed requirement has already been fulfilled:</i>	
ENVS 3520 (3) Energy and Climate Change	CE8wk
<i>can apply to specialization if the other listed requirement has already been fulfilled:</i>	
ENVS 3525 (3) Intermediate Environmental Problem Analysis: Topical Cornerstones	CE1
<i>can apply to specialization if the other listed requirement has already been fulfilled:</i>	
ENVS 3621 (3) Energy Policy and Society	B
<i>can apply to specialization if the other listed requirement has already been fulfilled:</i>	
ENVS/EBIO 4340 (3) Conservation Biology and Practice in Brazil's Atlantic Forest	Study Abroad
ATOC 3070/GEOL 3070 (3) Introduction to Oceanography	B
EBIO 3040 (4) Conservation Biology	CE10wk
EBIO 3180 (3) Global Ecology	CE10wk
EBIO 3190 (3) Tropical Marine Ecology	CE1, CE10wk

Students are responsible for knowing and abiding by co- and prerequisites.

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5/15/2025

EBIO 4100 (3) Advanced Ecology:	
750 Vegetation Ecology	CE3wks
751 Field Ornithology	CE3wks
752 Bioinformatics in the Mtns	CE2wks
753 Microbial Ecology in the Mtns	CE2wks
754 Lake & Stream Ecology	CE3wks
755 Forest & Fire Ecology	CE3wks
GEOG 3053 (4) GIS: Mapping A, CE10wk	
GEOG 3251 (3) Mountain Geosystems	CE1
GEOG 3601 (3) Principles of Climate	CE10wk
GEOG 3402 (3) Natural Hazards	CE2
GEOG 3682 (3) International Development	A, CE10wk
GEOG 3692 (3) Introduction to Global Public Health	A, B, CE10wk
GEOG 3822 (3) China's Diverse Geographies:	Maymester
Environnement, Society, Politics	
SOCY 4052 (3) Social Inequalities in Health	A
SOCY 4117 (3) Food and Society	CE2

Students are responsible for knowing and abiding by co- and prerequisites.

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