

**4. Geography, Geology or Atmospheric and Oceanic Sciences Sequence
(choose one sequence)**

ATOC 1050 & ATOC 1060 Weather and the Atmosphere and Our Changing Environment
 GEOG 1001/1011 Environmental Systems I & II
 GEOL 1010 & (GEOL 1020 or GEOL 1040 or GEOL 1060)
 Introduction to Geology I and (Introduction to Geology II or
 Global Change – Earth Science or Geology of Colorado)

5. Three labs from the following:

ATOC 1070 Weather and Atmosphere Lab
 w/CHEM 1021 Introduction to Chemistry Lab Component
 w/CHEM 1031 Environmental Chemistry II Lab Component
 CHEM 1113 General Chemistry I Lab
 CHEM 1134 General Chemistry II Lab
 EBIO 1050 Biology -- Human Approach Lab
 EBIO 1230 General Biology I Lab
 EBIO 1240 General Biology II Lab
 w/GEOG 1001 Environmental Systems I Lab Component
 w/GEOG 1011 Environmental Systems II Lab Component
 GEOL 1030 Introduction to Geology I Lab

Track B: Students are encouraged to take all labs.

6. Economics Lower Division

ECON 2010 Introduction to Microeconomics

7. Economics Upper Division

ECON 3535 Natural Resources Economics
 ECON 3545 Environmental Economics

Track B students take either of the above. Track A take both.

8. Environmental Ethics (choose one)

GEOG 3422 Conservation Thought
 PHIL 3140 Environmental Ethics
 PSCI 3064 Environmental Political Theory

9. Environmental Policy (choose one)

PSCI 2106 Introduction to Public Policy Analysis
 PSCI 3206 Environmental Public Policy

10a. Math Track A – Statistics (choose one)

EBIO 4410 Biometry
 ECON 3818 Introduction to Statistics with Computer Applications
 GEOG/GEOL 3023 Statistics for Earth Science
 MATH 2510 Introduction to Statistics
 MATH 2520 Introduction to Biometry
 PSCI 2075 Quantitative Research Methods
 PSCI 3105 Designing Social Inquiry: An Introduction to Analyzing Political
 Phenomena
 PSYC 3101 Quantitative Research Methods
 SOCY 2061 Introduction to Social Statistics

Or any other approved Statistics or Calculus course.

10b. Math Track B – Calculus (choose one)

MATH 1300	Analytic Geometry and Calculus I
MATH 1310	Calculus 1 with Biologic Applications
MATH 1350	Calculus 1 for Engineers

Or any approved Calculus course.

Track A: Society and Policy

In addition to the ENVS Common Curriculum, Track A students must complete one ecology course and 15 credits from one of four specializations listed below.

Ecology (Chose one)

EBIO 2040 Principles of Ecology
CVEN/ENVS 3434 Intro to Applied Ecology
ANTH 4150 Human Ecology

~~GEOG 3412 Conservation Practice (not currently taught, substitute any upper division Track A Specialization Course)~~

Specializations (complete 15 hours in one specialization)

Environment and Natural Resources

ATOC/GEOL 3070	Introduction to Oceanography
EBIO/ENVS 3040	Conservation Biology
EBIO 4060	Landscape Ecology
ENVD 4023	Environmental Impact Assessment
ENVS 3001	Sustainable Solutions Consulting
ENVS 3621	Energy Policy and Society
ENVS/PHYS 3070	Energy and the Environment
ENVS/SOCY 4027	Inequality, Democracy and Environment
GEOG 3251	Mountain Geography
GEOG 3351	Biogeography
GEOG 4371	Forest Geography
GEOG 4430	Seminar: Conservation Trends
GEOG 4501	Water Resources & Water Management of Western U.S.
GEOG 4732	Population Geography
GEOG 4742	Environment and Peoples
GEOL 3500	Earth Resources and the Environment
HIST 4417	Environmental History of North America

Decision Making, Planning and Public Policy

ATOC 4800	Policy and Climate
ENVD 4023	Environmental Impact Assessment
ENVS 3001	Sustainable Solutions Consulting
ENVS 3621	Energy Policy and Society

ENVS/PHYS 3070	Energy and the Environment
GEOG 3402	Natural Hazards
GEOL 3950	Natural Catastrophes
JOUR 4871	Environment, Media and Culture
PHIL 2140	Environmental Justice
PSCI 2106	Introduction to Public Policy Analysis
PSCI 3206	Environment and Public Policy
SOCY 2077	Environment and Society

International Environment and Development

ECON 3403	International Economics and Policy
ECON 3784	Economic Development and Policy
GEOG 3672	Gender and Global Economy
GEOG 3682	Geography of International Development
GEOG 3812	Mexico, Central American and the Caribbean
GEOG 3822	Geography of China
GEOG 3862	Geography of Africa
GEOG 4712	Political Geography
PHIL 2140	Environmental Justice
PSCI 2223	Introduction to International Relations
PSCI 3143	Problems in International Relations
PSCI 3193	International Behavior
PSCI 4012	Global Development
PSCI 4173	International Organization
PSCI 4183	International Law
PSCI 4783	Global Issues
SOCY 3002	Population and Society
SOCY 3012	Women, Development and Fertility
SOCY 4007	Global Human Ecology

Environmental Analysis

ATOC 3300	Analysis of Climate and Weather Observations
ECON 4808	Introduction to Mathematical Economics
ENVD 4023	Environmental Impact Assessment
ENVS 3001	Sustainable Solutions Consulting
ENVS 3621	Energy Policy and Society
GEOG 2053	Mapping a Changing World
GEOG 3053	Cartography I Visualization and Information Design
GEOG 4043	Cartography II
GEOG 4093	Remote Sensing of the Environment
GEOG 4103	Geographic Information Sciences

Important Notes:

- Courses used to satisfy a "Common Curriculum" requirement cannot be used to satisfy a "Specialization" requirement.
- ENVS 3930 (ENVS Internship) may be used as one specialization course. Please check with your advisor.
- ENVS Topics courses (4100, 4800) may be used as specialization courses. Check with your advisor.

- Not all courses are offered every semester.
- Some courses apply to all specializations.

Track B: Environmental Science

In addition to the ENVS Common Curriculum, Track B students must complete either an approved ecology course or principles of climate, hydrology, a field course, and 12 credits from one of three specializations listed below.

Required Courses

1) (Chose one)
 EBIO 2040 Principles of Ecology
 CVEN/ENVS 3434 Intro to Applied Ecology
 ATOC/ENVS 3600/GEOG 3601 Principles of Climate

2) GEOG 3511 Intro to Hydrology

3) One Field Course
 Offerings may include (see academic advisor):

Any 3-credit field course at the Mountain Research Station
 CVEN 3434/ENVS 3434 Introduction to Applied Ecology
 EBIO/ENVS 4795 Museum Field Methods/Zoology and Botany
 ENVS 2100 Topics in Applied Environmental Studies
 EVEN 4100 Environmental Sampling and Analysis
 GEOL 2700 Intro to Field Geology and one upper division 2-hour GEOL field course

Specializations (complete 15 hours in one specialization)

Water

CVEN 4404	Water Quality
EBIO 3190	Tropical Marine Ecology
EBIO 4020	Stream Biology
EBIO 4030	Limnology
EBIO 4110	Fresh Water Marine Ecology
EBIO 4460	Fish Ecology
GEOG/GEOL 4241	Principles of Geomorphology
GEOG 4321	Snow Hydrology
GEOG 4430	Seminar: Conservation Trends (relevant water topics)
GEOG 4501	Water Resources & Water Management of Western U.S.
GEOL 3030	Introduction to Hydrogeology
GEOL 4060	Oceanography
GEOL 4700	Topics in Geology (relevant water topics)

Biogeochemistry

CHEM 4191	Environmental Chemistry of the Biosphere
EBIO 3270	Ecosystem Ecology
EBIO 4800	Critical Thinking: Microbial Ecology
EBIO/ENVS/GEOL 4160	Introduction to Biogeochemistry
ENVS/GEOL 3520	Environmental Issues in Geosciences
GEOG 4251	Fluvial Geomorphology
GEOG 4401	Soils Geography

GEOG/GEOL 4241	Principles of Geomorphology
GEOL 3040	Global Change: Recent Geologic Record
GEOL 3320	Geochemistry
GEOL 4060	Oceanography
GEOL 4700	Topics in Geology (relevant Biogeochemistry topics)

Climate (this specialization requires a physics sequence)

ATOC 3300/GEOG 3301	Analysis of Climate and Weather Observations
ATOC 3500	Air Chemistry and Pollution
ATOC 4100	Modeling the Environment and Climate
ATOC 4710	Atmospheric Physics
ATOC 4720	Atmospheric Dynamics
ATOC 4750	Desert Meteorology
ATOC 4800	Policy and Climate
ENVS/GEOG 4201	Biometeorology
ENVS/GEOL 3520	Environmental Issues in Geosciences
GEOG 4211	Physical Climatology: Principles
GEOL 3040	Global Change: Recent Geological Record
GEOL 4060	Oceanography

Physics Sequence (choose 1)

PHYS 1110 & 1120	General Physics I & II (calculus-based)
PHYS 2010 & 2020	General Physics I & II

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