



University of Idaho
Environmental Science Program

Environmental Science: Sustainability Sciences emphasis (online only)

Understanding & Protecting Our Environment

Today's global environmental problems demand professionals who grasp the complex physical, biological, and social contexts for sustainably addressing those problems. Take advantage of this unique online program to develop a strong foundation in both environmental science and the human dimensions of environmental sustainability. Work to develop your own focus by choosing courses from across the University of Idaho while enjoying all of the benefits and flexibility of a world class online education. Through this option you will develop your skillsets to increase your marketability across the full range of environmental and sustainability careers.

FRESHMAN

FALL

SPRING

COURSE	CREDITS
ENVS 101 - Introduction Environmental Science	3
ENVS 102 - Field Activities	1
ENGL 101 - Introduction to College Writing	3
MATH 108 - Intermediate Algebra OR MATH 143 - College Algebra	3
COMM 101 - Fundamentals of Oral Communication	2
General Education Requirement	3

COURSE	CREDITS
CHEM 111/111L - General Chemistry I & Lab	4
ENGL 102 - College Writing & Rhetoric	3
MATH 160 - Pre-Calc Alg & Analy Geom OR MATH 170 - Survey of Calculus	3-4
General Education Requirement	3
General Education Requirement	3

TOTAL 15

TOTAL 16-17

SUMMER BEFORE SOPHOMORE, JUNIOR, OR SENIOR YEAR

COURSE	CREDITS
ENVS 498 - Environmental Science Internship OR can take during fall/spring semester	1

SOPHOMORE

FALL

SPRING

COURSE	CREDITS
ENVS 201 - Careers in the Environmental Sciences	3
CHEM 112/112L - Principles of Chemistry & Lab	4
FOR 221/WLF 220 - Principles of Ecology OR BIOL 314 - Ecology & Population Biology	3
ECON 202 - Principles of Microeconomics OR ECON 272 - Foundations of Economic Analysis	3
General Education Requirement	3

COURSE	CREDITS
GEOL 111/111L - Physical Geology for Science Major & Lab OR SOIL 205/206 - The Soil Ecosystem & Lab OR GEOG 100/100L - Physical Geography & Lab	4
STAT 251 - Statistical Methods OR STAT 301 - Probability & Statistics	3
BIOL 115/115L - Cells & the Evolution of Life & Lab	4
ENVS 225 - International Environmental Issues Seminar OR AIST 314 - Tribal Sovereignty & Federal Policy	3
GEOG 385 - GIS Primer OR FOR/NRS 375 - Introduction to Spatial Analysis Natural Resource Management	3

TOTAL 16

TOTAL 17

JUNIOR

FALL

SPRING

COURSE	CREDITS
ENVS 300 - Seminar	1
PHYS 111/111L - General Physics w/Lab OR PHYS 211/211L - Engineering Physics w/Lab	4
Depth Area	3
Depth Area	3
General Education Requirement	3

TOTAL 15

COURSE	CREDITS
ENGL 316 - Environmental Writing OR ENGL 317 - Technical Writing OR ENGL 318 - Science Writing OR	3
NRS 387 - Environmental Communications OR WLF 370 - Management & Communication of Scientific Data	
GEOG 309 - Ground Water Hydrology OR FISH 415 - Limnology OR	
ENVS 450 - Environmental Hydrology OR FOR 462 - Water Shed Science & Management OR ENVS 448 - Drinking Water & Human Health	3
Depth Area	3
Depth Area	3
General Education Requirement	3

TOTAL 15

SENIOR

FALL

SPRING

COURSE	CREDITS
ENVS 497 - Senior Research OR ENVS/NRS 476 - Environmental Project Management & Decision Making	2-4
PHIL 452 - Environmental Philosophy	3
Depth Area	3
Depth Area	3
Depth Area	3

TOTAL 14-16

COURSE	CREDITS
ENVS 497 - Senior Research OR ENVS/NRS 476 - Environmental Project Management & Decision Making	2-4
Depth Area	3
Depth Area	3
Depth Area	3

TOTAL 11-13

Select 5 of the following depth areas, take at least 6 credits from each

MATHEMATICS, PHYSICS, & STATISTICS

MATH 175 - Calculus II
MATH 275 - Calculus III
PHYS 112/112L - General Physics II w/Lab
PHYS 212/212L - Engineering Physics II w/Lab
STAT 301 - Probability & Statistics
STAT 431 - Statistical Analysis

SOCIAL DIMENSIONS

ENVS 423 - Planning Sustainable Places
ENVS 428 - Pollution Prevention
ENVS 484 - History of Energy
FCS 411 - Global Nutrition
INDT 415 - Impact of Technology on Society
ISS 322 - Int'l Environmental Governance
NRS 235 - Society & Natural Resources

SUSTAINABILITY SCIENCE

ENVS 420 - Intro to Bioregional Planning
ENVS 415 - Environmental Lifecycle Assess
ENVS 423 - Planning Sustainable Places
ENVS 428 - Pollution Prevention
ENVS/FS - 436 - Principles of Sustainability
FS 409 - Principles Environmental Toxicology
GEOG 313 - Global Climate Change
INDT 457 - Lean to Green Sustain Technology

MANAGEMENT TOOLS

ENVS 415 - Environmental Lifecycle Assess
ENVS 420 - Intro to Bioregional Planning
ENVS 428 - Pollution Prevention
ENVS 430 - Planning Theory & Process
INDT 364 - Hazardous Materials
INDT 448 - Project & Program Management

GEOSPATIAL TOOLS

GEOG 385 - GIS Primer
GEOG 424 - Hydro Apps/GIS & Remote Sense
GEOG 475 - Intermediate GIS
NRS/FOR 472 - Remote Sensing of Env
NRS 478 - LIDAR & Optical Remote Sense Anly.
REM 407 - GIS App in Fire Ecology & Mgmt

WATER & SOILS

SOIL 452 - Environmental Water Quality
ENVS 450 - Environmental Hydrology
SOIL 205 - The Soil Ecosystem
SOIL 438 - Pesticides in the Environment
SOIL 446 - Soil Fertility

ENVIRONMENTAL POLICY & REGULATIONS

AGEC 477 - Law, Ethics, & the Environment
ENVS 429 - Environmental Audit
ENVS/FSP 436 - Principles of Sustainability
ENVS 479 - Intro to Env. Regulations
ENVS 482 - NR Policy & Law
NRS 488 - NEPA in Policy & Practice
POLS/NRS 462 - NR Policy

ENERGY SYSTEMS

GEOG 453 - Water & Energy Systems
ENVS 484 - History of Energy
ENVS 485 - Energy Efficiency & Conservation
INDT 415 - Impact of Technology on Society
INDT 434 - Power Generation & Distribution

RESTORATION & REMEDIATION

BE 433 - Bioremediation
FISH 496 - Intro to Aquatic Restoration
FOR 426 - Global Fire Ecology & Mgmt
PLSC 419 - Plant Community Restoration Mthds
REM 280 - Intro to Wildland Restoration
REM 410 - Principles of Veg. Monitor & Measure
REM/NRS 440 - Restoration Ecology
SOIL 422 - Environmental Soil Chemistry
SOIL 452 - Environmental Water Quality
WLF 440 - Conservation Biology

- This academic plan is intended as a guideline only and does not replace academic advising.
- See course catalog and department website for complete degree requirements and additional information.

- 120 credits minimum are required for a B.S. in Environmental Science.
- Minimum of 40 upper-division credits required to graduate.
- A 5-year academic plan is an option. See department website for additional information.

