



University of Idaho
Environmental Science Program

Master of Environmental Science

Program Overview

The University of Idaho's online Master of Science in Environmental Science is geared toward working professionals who want to protect and conserve tomorrow's world. Because all industries need to be mindful of preserving existing ecosystems and keep sustainability at the forefront, this fully online master's degree takes an intersectional approach, examining where environmental science overlaps with soil science, geography, engineering, ecology, biology, political science, sociology, chemistry, and hydrology.

Careers

More and more industries are seeking to incorporate or switch to green technologies and sustainable processes. At the same time, consumers are demanding stricter environmental policies and regulations. Reflecting these developments, public and private organizations have an increasing need for professionals with environmental science backgrounds to offer their input and shape efforts for natural resource management, pollution prevention, air and water quality, land use planning, environmental compliance, and waste management.

According to figures from the Bureau of Labor Statistics, environmental scientists and specialists are expected to experience 8% more demand between 2018 and 2028, while organizations will need 3% more conservation scientists and foresters. As well, openings for environmental engineers and environmental engineering technicians are predicted to increase 8% and 9% respectively.

What makes us unique?

The online MS in Environmental Science is a professional graduate degree offered through the College of Natural Resources (CNR) and is geared toward professionals who work full-time and have various family, community, and seasonal obligations. The program is structured like the on-campus CNR counterpart:

- Course content and requirements are the same for on-campus and online programs.
- All classes are taught by University of Idaho's world renowned faculty members, who themselves are leaders in the natural, physical, and social sciences.
- Students receive a degree from one of the country's top schools for natural resources and conservation, according to College Factual.

Fast Facts

- 30 semester credits, non-thesis program designed for working professionals.
- Students may complete the degree in just three semesters.
- Up to 12 applicable credits can be transferred into the program.
- Can be completed entirely online.
- Culminates in a Final Project with lasting impact.
- Apply year-round.

For More Information

CNR Graduate Studies

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Program Director

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Learn more about the College of Natural Resources at uidaho.edu/cnr/departments/environmental-science-program



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Completing the Program

15 credits from a depth area (choose from Biological, Physical, or Social Science Options); 3 credits from each of the other breadth areas (6 credits); 3 credits from Research credits; 2 credits ENVS 501; 3 credits ENVS 599

Social Science

COURSE	
AOLL 583	Organizational Leadership
EDAD 530	Ethical Leadership & Law in Education
EDCI 563	Literacy Methods & Content Learning
ENVS 484	History of Energy
ENVS 485	Energy Efficiency & Conservation
ENVS 520	Bioregional Planning
ENVS 523	Planning Sustainable Places
ENVS 530	Planning, Theory, & Process
ENVS 548	Drinking Water & Human Health
ENVS 552	Environmental Philosophy
ENVS 577	Law, Ethics, & Environment
ENVS 579	Intro Environmental Regulations
FOR 546	Science Synthesis & Communication
FOR 554	Air Quality, Pollution & Smoke
FOR 584	Natural Resource Policy Development
FOR 587	Wildland Fire Policy
FS 536	Principles of Sustainability
NRS 507	Moral Reasoning in Natural Resources
NRS 555	Human Dimensions in Natural Resources
NRS 574	Environmental Politics & Policy
NRS 588	NEPA in Policy & Practice
NRS 592	Emerging Media Outreach in NR
POLS 572	Local Government Politics & Administra-

Physical Science

COURSE	
CE 510	Advanced Mechanics of Materials
CE 511	Design Water & Wastewater Systems
CE 521	Sedimentation Engineering
CE 535	Fluvial Geomorph/River Mechanics
ECE 515	Analog Integrated Circuit Design
ECE 522	Induction Machines
ENVS 428	Pollution Prevention
ENVS 429	Environmental Audit
ENVS 450	Environmental Hydrology
ENVS 484	History of Energy
ENVS 485	Energy Efficiency and Cons
ENVS 541	Sample & Analysis Env Contaminants
ENVS 548	Drinking Water & Human Health
FCS 411	Global Nutrition
FOR 444	Prescribed Fire for Ecological Management
FOR 554	Air Quality, Pollution & Smoke
FS 475	Qualitative Mgmt Tools for Food Production
FS 509	Principles of Environmental Toxicology
FS 575	Food Quality Management
GEOG 524	Hydro App of GIS-Remote Sensing
REM 507	Landscape & Habitat Dynamics
REM 510	GIS App in Fire Ecology Management
SOIL 446	Soil Fertility

Research Methods

COURSE	
ED 571	Introduction to Quantitative Research
ED 574	Survey of Qualitative Research
ED 584	Quantitative Research in Education
ED 589	Theory, App, & Design of Qual Research
ED 590	Analysis & Interpretation of Qual Data
ED 680	Philosophical Foundations of Edu Research
EDAD	Methods of Educational Research
EDCI 570	Intro to Research Curriculum & Instruct
EDCI 572	Measurement & Evaluation
ENVS 541	Sampling & Analyzing Env Contamin
NR 525	Scientific Graphics Design
NRS 504	ST: Research Method Env Social Science
POLS 558	Research Methods for Local Governments
STAT 565	Computer Intensive Statistics
WLF 506	External Speakers

Biological Science

COURSE	
ENVS 579	Intro Environmental Regulations
FCS 411	Global Nutrition
FISH 511	Fish Physiology
FISH 515	Large River Fisheries
FISH 525	Aquaculture/Wild Fisheries
FISH 540	Wetland Restoration
FOR 451	Fuels Inventory & Management
FOR 526	Fire Ecology
FS 509	Principles Environmental Toxicology
FS 536	Principles of Sustainability
FS 575	Food Quality Management
NRS 578	LiDAR & Optical R.S. Analysis
NRS 580	Restoration Ecology Practicum
PLSC 590	Potato Science
REM 410	Principles of Vegetation Monitoring
REM 440	Restoration Ecology
REM 456	Integrated Rangeland Management
REM 459	Rangeland Ecology
REM 507	Landscape & Habitat Dynamics
REM 560	Ecophysiology
WLF 440	Conservation Biology
WLF 540	Conservation Genetics
WLF 561	Landscape Genetics



TOTAL 30 CREDITS

** For additional course options, visit: <https://www.webpage.es.uidaho.edu/schedule/>