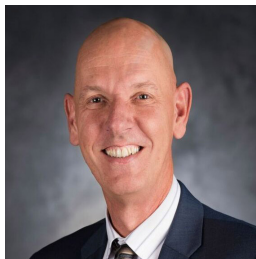




University of Idaho  
Environmental Science Program

# Environmental Science Program Core Faculty



Jaap Vos - Director  
College of Natural  
Resources



Romuald Afatchao  
College of Letters, Arts  
and Social Sciences



Rula Awwad-Rafferty  
College of  
Art and Architecture



Zachary Kayler  
College of Agricultural and  
Life Sciences



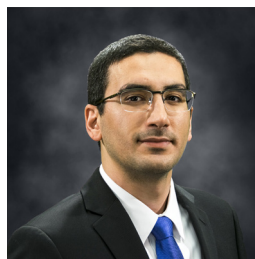
Jennifer Ladino  
College of Letters, Arts  
and Social Sciences



Jerrold Long  
College of Law



Brant Miller  
College of Education, Health  
and Human Sciences



Amin Mirkouei  
College of  
Engineering

TBD  
Assistant Director  
Environmental Science



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 green technologies and sustainable processes. At the same time, consumers are demanding stricter environmental policies and regulations. Reflecting these developments, both 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.

Environmental science is growing in the labor market. 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. Additionally, openings for environmental engineers and environmental engineering technicians are predicted to increase 8% and 9% respectively.



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## What makes us unique?

The online Master's of Science in Environmental Science is a professional graduate degree offered through the College of Natural Resources (CNR) that is geared toward professionals who work full-time with various family, community, and seasonal obligations. The online program is structured identically to the on-campus 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 credit 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 Office  
cnr-grad-studies@uidaho.edu

Interim Program Director  
Jaap Vos | jvos@uidaho.edu



Learn more about the College of Natural Resources at [uidaho.edu/cnr/departments/environmental-science-program](http://uidaho.edu/cnr/departments/environmental-science-program)



# Masters Environmental Science: Non-Thesis

## Completing the Program - 30 credits

Current Curriculum



15 credit depth area (choose from Biological, Physical, or Social Sciences); 6 credit breadth areas; 3 credits 500-level research methods; 2 credits ENV5 501 Seminar; 3 credits ENV5 599 Non-Thesis Research Project; 1 credit elective

### 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 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 & Administration

\*Additional courses available

### Physical Science\*

COURSE	
CE 510	Advanced Mechanics of Materials
CE 511	Design Water & Wastewater Systems
CE 521	Sedimentation Engineering
CE 535	Fluvial Geomorphology & 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 & Conservation
ENVS 541	Sample & Analysis Env Contaminants
ENVS 548	Drinking Water & Human Health
FOR 444	Prescribed Fire for Ecological Management
FIRE 554	Air Quality, Pollution & Smoke
FIRE 557	Advanced Fire Behavior
FS 509	Principles of Environmental Toxicology
GEOG 513	Global Climate Change
GEOG 524	Hydrological App of GIS-Remote Sensing
REM 507	Landscape & Habitat Dynamics
REM 510	GIS App in Fire Ecology Management
SOIL 544	Water Quality in the Pacific Northwest

\*Additional courses available

### 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
EDAD 570	Methods of Educational Research
EDCI 570	Intro to Research Curriculum & Instruct
EDCI 572	Measurement & Evaluation
ENVS 511	Data Wizardry for Environmental Science
ENVS 551	Research Methods for Env Social Science
POLS 558	Research Methods for Local Governments
REM 520	Adv Vegetation Monitoring & Measurement
STAT 507	Experimental Design
STAT 519	Multivariate Analysis
STAT 550	Regression
STAT 565	Computer Intensive Statistics

\*Additional courses available

### Biological Science\*

COURSE	
FISH 511	Fish Physiology
FISH 515	Large River Fisheries
FISH 525	Aquaculture/Wild Fisheries
FISH 540	Wetland Restoration
FIRE 451	Fuels Inventory & Management
FIRE 526	Fire Ecology
FOR 560	Mountain Ecology
FS 509	Principles Environmental Toxicology
FS 536	Principles of Sustainability
FS 564	Food Toxicology
NRS 578	LiDAR & Optical R.S. Analysis
NRS 580	Restoration Ecology Practicum
REM 440	Restoration Ecology
REM 507	Landscape & Habitat Dynamics
WLF 540	Conservation Genetics
WLF 561	Landscape Genetics

\*Additional courses available

### Additional Requirements

COURSE	
ENVS 599	Non-Thesis Research Project
ENVS 501	Seminar
Electives to 30 credits	



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

\*\*Director level approval required for non-preapproved courses

**TOTAL 30 CREDITS**

# MS ENVS Non-Thesis Degree Timeline

