

College of Natural
Resources



M.S. Environmental Science

Non-Thesis Degree - Completely Online

Expand Your Knowledge about the Earth, its Peoples, and its Ecosystems

Earning your M.S. in Environmental Science degree will enable you to explore multiple environmental disciplines and value systems. Aided by your passion about the outdoors, the natural world, and our nation's valuable ecosystems, this degree will help you gain new knowledge and skills to advance your career.

Your degree will include courses from the Natural, Physical, and Biological Sciences and will culminate in an integrative science course. You can choose from over 200 online courses offered across these disciplines at the University of Idaho.

You will be joining one of the strongest programs in the Nation that prides itself on educational excellence at a great value.

You will be charged **resident tuition** provided you only register for online courses.

uidaho.edu/nronline
208-885-0165

It is U of I policy to prohibit and eliminate discrimination on the basis of race, color, national origin, religion, sex, sexual orientation and gender identity/expression, age, disability, or status as a Vietnam-era veteran. This policy applies to all programs, services, and facilities, and includes, but is not limited to, applications, admissions, access to programs and services, and employment.

Did You Know?

- The College of Natural Resources is ranked by College Factual as 1st in the nation for Value
- The online Master of Science is ranked #2 in the nation by bestcolleges.com

Fast Facts

- 30 credit, non-thesis program designed for working professionals, but open to all
- Can be completed in 3 semesters
- Completely online
- Over 200 online courses
- Support for veterans and active service members
- Up to 12 applicable credits can be transferred in
- No GRE required
- Apply year-round

Need More Information?



MS Environmental Science

2020/2021 Curriculum

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

The Online Master of Science in Environmental Science requires 30 credits for the degree.

This includes 27 credits of coursework at the 400 level or above, but with no more than 9 credits at the 400 level.

The degree requires 3 credits of non-thesis research (ENVS 599), 2 seminar credits, and 1 research methods course.

Step 1. Select a Core Option Area of Biological, Physical, or Social Science.

Step 2. Select 15 credits in that Core Option Area.

Step 3. Select 3 credits from the other two Option Areas.

Step 4. Select one 500-level research methods course.

Step 5. Select 2 credits of seminar.

Step 6. Select 3 credits of ENVS 599 (non-thesis research).

Step 7. Complete a study plan on the UI system by [following the instructions at this site](#) by the end of the first semester of study.

Step 8. If you need to enter transfer credits into your study plan, [follow the instructions at this site](#).

MS Environmental Science

2020-2021 Curriculum Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

	CRN	Course	Credits
Biological Science	33890	REM 410 (F) Principles of Vegetation Measurement (online)	2
	51431	FCS 411 (S) Global Nutrition (online)	3
	52952	REM 440 (S) Wildland Restoration Ecology (online)	3
	84190	WLF 440 (Sum) Conservation Biology (online)	3
	69046	FOR 444 (S) Prescribed Fire for Ecologically-Based Management (online)	3
	43677	SOIL 446 (F) Soil Fertility (online)	3
	61425	FOR 451 (S) Fuels Inventory and Management (online)	3
	68566	REM 456 (S) Integrated Rangeland Management (online)	3
	32523	REM 459 (F) Rangeland Ecology (online)	2
	37222	REM 507 (F) Landscape and Habitat Dynamics (online)	3
	71689	FS 509 (S) Principles of Environmental Toxicology (online)	3
	38944	FISH 504 (var) Climate Change and Conservation Management (online)	2
	39307	FISH 511 (F) Fish Physiology (online)	2
	TBD	FOR 514 (Sum) Forest Biometrics (online)	3
	41197	PLP 515 (F) Plant Pathology (online)	3
	41892	FISH 515 (F) Large River Fisheries (online)	2
	41465	FISH 525 (S) Aquaculture in Relation to Wild Fish Populations (online)	2
	38684	FOR 526 (F) Fire Ecology (online)	3
	TBD	REM 529 (Sum) World Savannas	3
	36044	FS 536 (F) Principles of Sustainability (online)	3
	68274	FS 536 (S) Principles of Sustainability (online)	3
	30715	FISH 540 (Sum) Wetland Restoration (online)	3
	84468	WLF 540 (F) Conservation Genetics (online)	1-3
	40492	REM 560 (F) Ecophysiology (online)	3
	67016	WLF 561 (S) Landscape Genetics (online)	2
	40184	FS 575 (F) Food Quality Management (online)	3
	42447	ENVS 579 (F) Introduction to Environmental Regulations (online)	3
83929	NRS 580 (Sum) Restoration Ecology Practicum (online)	2	
72702	PLSC 590 (S) Potato Science (online)	3	

These courses are most frequently selected biological science courses, **but many more exist.**

If you are interested in taking one of these courses, the Course Registration Number (CRN) will be needed during enrollment. Semesters: **F** (Fall), **S** (Spring), **Sum** (Summer).

EO denotes courses delivered via Engineering Outreach, which has a separate fee structure.

MS Environmental Science

2020-2021 Curriculum Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

	CRN	Course	Credits
Physical Science	51431	FCS 411 (S) Global Nutrition (online)	3
	42120	ENVS 422 (F) Environmental Soil Chemistry (online)	3
	30896	ENVS 428 (F) Pollution Prevention (online)	3
	70740	ENVS 429 (S) Environmental Audit (online)	3
	43677	SOIL 446 (F) Soil Fertility (online)	3
	62452	BE 450 (S) Environmental Hydrology (online)	3
	40503	FS 475 (F) Quality Management Tools for Food Products (online)	3
	42472	ENVS 484 (F) History of Energy (online)	3
	69103	ENVS 485 (S) Energy Efficiency and Conservation (online)	3
	37222	REM 507 (F) Landscape and Habitat Dynamics (online)	3
	71689	FS 509 (S) Principles of Environmental Toxicology (online)	3
	63154	REM 510 (S) GIS Applications in Fire Ecology and Management (online)	2
	71309	GEOG 512 (S) Climatology (online)	3
	27840	GEOG 524 (F) Hydrologic Applications of GIS and Remote Sensing (online)	3
	61355	ENVS 541 (S) Sampling and Analysis of Environmental Contaminants (online)	3
	56829	ENVS 546 (S) Drinking Water and Human Health (online)	3
	41124	ENVS 549 (F) Water Quality in the Pacific Northwest (online)	3
	69903	FOR 554 (S) Air Quality Pollution and Smoke (online)	3
	84480	FOR 554 (Sum) Air Quality Pollution and Smoke (online)	3
	39588	FOR 557 (F) Advanced Fire Behavior (online)	3
	40184	FS 575 (F) Food Quality Management (online)	3
	72702	PLSC 590 (S) Potato Science (online)	3
	41911	ME 507 (F) Microstructures and Defects (EO)	3
	66292	CE 510 (S) Advances Mechanics of Materials (EO)	3
	71017	CE 511 (S) Design of Water and Wastewater Systems I (EO)	3
	41889	CE 513 (F) Bridge Design (EO)	3
	41956	ECE 515 (F) Analog Integrated Circuit Design (EO)	3
	73484	CE 521 (S) Sedimentation Engineering (EO)	3
	73465	ECE 521 (S) Power System Stability (EO)	3
	38624	ECE 522 (F) Induction Machines (EO)	3
	41101	CE 535 (F) Fluvial Geomorphology and River Materials (EO)	3
	73483	GEOE 535 (S) Seepage and Slope Stability (EO)	3
	41959	ECE 541 (F) Advanced Computer Architecture (EO)	3
26506	CE 560 (F) Properties of Highway Pavement Materials (EO)	3	

These courses are most frequently selected physical science courses, **but many more exist.**

If you are interested in taking one of these courses, the Course Registration Number (CRN) will be needed during enrollment. Semesters: **F** (Fall), **S** (Spring), **Sum** (Summer).

EO denotes courses delivered via Engineering Outreach, which has a separate fee structure.



MS Environmental Science

2020-2021 Curriculum Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

CRN	Course	Credits
34355	COMM 410 (F) Conflict Management (online)	3
37088	FCS 446 (F) Financial Counseling and Debt Management (online)	3
84565	POLS 451 (Sum) Public Administration (online)	3
65992	COMM 456 (S) Non-Profit Fundraising (online)	3
42472	ENVS 484 (F) History of Energy (online)	3
69103	ENVS 485 (S) Energy Efficiency and Conservation (online)	3
TBD	NRS 504 (Sum) NEPA Policy and Practice (online)	3
82693	NR 507 (Sum) Moral Reasoning in Natural Resources (online)	3
58762	EDAD 509 (S) Educational policy and Politics for Educational Leaders (online)	2-3
26631	EDCI 511 (F) Planning and Administering the Curriculum (online)	3
62422	EDCI 513 (S) History of Educational Thought (online)	3
41381	BIOP 523 (F) Planning Sustainable Places (online)	3
65340	EDCI 524 (S) Models of Teaching (online)	3
66276	AOLL 528 (S) Program Planning/Dev/Evaluation (online)	3
58762	EDAD 530 (S) Ethical Leadership and Law in Education (online)	3
36044	FS 536 (F) Principles of Sustainability (online)	3
68274	FS 536 (S) Principles of Sustainability (online)	3
70807	FOR 546 (S) Science Synthesis and Communication (online)	3
56829	ENVS 546 (S) Drinking Water and Human Health (online)	3
41124	ENVS 549 (F) Water Quality in the Pacific Northwest (online)	3
83219	ENVS 552 (Sum) Environmental Philosophy (online)	3
69903	FOR 554 (S) Air Quality Pollution and Smoke (online)	3
84480	FOR 554 (Sum) Air Quality Pollution and Smoke (online)	3
39648	POLS 555 (F) Public Administration Theory (online)	3
65335	EDCI 563 (S) Literacy Methods for Content Learning (online)	3
41177	POLS 565 (F) Local Government Law (online)	3
38076	POLS 572 (F) Local Government Politics and Administration (online)	3
72512	ED 573 (S) Action Research (online)	3
83899	NRS 574 (Sum) Environmental Politics and Policy (online)	3
42447	ENVS 579 (F) Introduction to Environmental Regulations (online)	3
46361	ACCT 582 (F) Enterprise Accounting (online)	3
66279	AOLL 583 (S) Organizational Leadership (online)	3
68073	FOR 584 (S) Natural Resource Policy Development (online)	3
38590	FOR 587 (F) Wildland Fire Policy (online)	2
84524	NRS 592 (Sum) Emerging Media Outreach in Natural Resources (online)	3

Social Sciences

These courses are most frequently selected social science courses, **but many more exist.**

If you are interested in taking one of these courses, the Course Registration Number (CRN) will be needed during enrollment. Semesters: **F** (Fall), **S** (Spring), **Sum** (Summer).



University of Idaho
College of Natural Resources

LEARN
MORE

Call 208-885-0165
Email: nronline@uidaho.edu
Visit: uidaho.edu/nronline

MS Environmental Science

2020-2021 Curriculum Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

Research Methods and Seminars

CRN	Course	Credits
28536	ENVS 501 (F) Seminar (online)	1
63522	ENVS 501 (S) Seminar (online)	1
41604	FOR 501 (F) Seminar (online)	1
39549	NRS 501 (F) Seminar (online)	1
71460	WLF 506 (S) External Speakers (online)	1
71139	NR 511 (S) Preparing Scientific Manuscripts (online)	1
83556	NR 525 (F) Scientific Graphic Design (online)	3
61355	ENVS 541 (S) Sampling Analysis and Environmental Contamination (online)	3
72308	POLS 558 (S) Res. Methods for Local Govern. and Community Admin (online)	3
65373	EDAD 570 (S) Methods of Educational Research (online)	3
33299	EDCI 570 (F) Introduction to Research in Curriculum and Instruction (online)	3
63465	EDCI 570 (S) Introduction to Research in Curriculum and Instruction (online)	3
81502	ED 571 (Sum) Introduction to Quantitative Research (online)	3
33510	EDCI 572 (F) Measurement and Evaluation (online)	3
30919	ED 574 (F) Survey of Qualitative Research (online)	3
67265	ED 584 (F) Univariate Quantitative Research in Education (online)	3
41201	ED 589 (S) Theoretical Applications and Designs of Qualitative Res. (online)	3
36478	ED 590 (F) Data Analysis and Interp. of Qualitative Research (online)	3
40965	GEOG 596 (F) Seminar (online)	1
67522	ED 680 (F) Philosophical Foundations of Educational Research (online)	3
40467	STAT 419 (F) Intro to SAS/R Programming (EO)	3
72345	STAT 419 (S) Intro to SAS/R Programming (EO)	3
39288	STAT 422 (F) Sample Survey Methods (EO)	3
63063	STAT 422 (S) Sample Survey Methods (EO)	3
36204	STAT 431 (F) Statistical Analysis (EO)	3
68091	STAT 431 (S) Statistical Analysis (EO)	3
16732	STAT 451 (F) Probability Theory (EO)	3
48093	STAT 451 (S) Probability Theory (EO)	3
21325	STAT 452 (F) Mathematical Statistics (EO)	3
50422	STAT 452 (S) Mathematical Statistics (EO)	3
41955	STAT 456 (F) Quality Management (EO)	3
63065	STAT 456 (S) Quality Management (EO)	3
31745	STAT 507 (F) Experimental Design (EO)	3
63067	STAT 519 (S) Multivariate Statistics (EO)	3
66305	STAT 550 (S) Regression (EO)	3
69826	STAT 555 (S) Statistical Ecology (EO)	3
36205	STAT 565 (F) Computer Intensive Statistics (EO)	3
73469	STAT 565 (S) Computer Intensive Statistics (EO)	3

These courses are most frequently selected seminars and research methods courses, **but many more exist.** You must select 2 credits of seminar and at least 1 research methods course.

If you are interested in taking one of these courses, the Course Registration Number (CRN) will be needed during enrollment. Semesters: **F** (Fall), **S** (Spring), **Sum** (Summer). **EO** denotes courses delivered via Engineering Outreach, which has a separate fee structure.