



University of Idaho
Master of Natural Resources

Master of Natural Resources: Fish & Wildlife Sciences Management

Program Overview

This flexible graduate program will provide students with advanced knowledge and competency in:

- Ecology, genetics, habitat management and conservation, and advanced biology courses related to a student's field of interest
- Quantitative and statistical methods
- Environmental and natural resource policy and management
- Communication skills (oral and written) necessary for being an effective fish and wildlife management professional

Employment Opportunities

- Fisheries or Wildlife biologist
- Park ranger
- Fishery or Wildlife manager
- Aquaculture technician
- Fisheries research technician
- Wildlife Law Enforcement Officer or Conservation Officer
- Research manager or director of research for fish farms
- Wildlife research technician
- Endangered species biologist
- Wildlife research assistant
- Conservation genetics technician
- Wildlife information or education specialist

What makes us unique?

- The college has been a leader in Natural Resources education for over 100 years
- CNR ranked 1st in Value and 5th for program quality for Natural Resources and Conservation- -USA Today
- The country's largest online graduate community in natural resources

Fast Facts

- 30 semester credits, non-thesis program designed for working professionals
- Degree completion in as little as three semesters
- 12 applicable credits can be transferred into the program (*if not used for prior degree*)
- 100% online, asynchronous available
- Apply year-round
- No GRE Required
- Network with hundreds of students in natural resources for career opportunities

For More Information

CNR Graduate Studies
cnr-grad-studies@uidaho.edu

Program Director
Leda Kobziar | mnr@uidaho.edu



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Learn more about the College of Natural Resources at:
uidaho.edu/cnr/natural-resources-online/master-of-natural-resources

Completing the Program

The Master of Natural Resources: Fish & Wildlife Sciences Management Option requires 30 credits to complete the degree. You will be assigned a major professor/advisor following admission.

Degree Requirements

11 credits FWS Core; **2-3 credits** Policy, Planning & Society; **8 credits** FWS Courses; **3 credits** Quantitative & Statistical Methods; **6-7 credits** Electives; **TOTAL 30-32 credits**

Fish & Wildlife Sciences Core

COURSE

NRS 555	Human Dimensions of Natural Resources
WLF 506	External Speaker Seminar
FOR 546	Science Synthesis & Communication
FISH/WLF 598 - Internship	AND NR 599 Final Portfolio OR
FISH 502	- Directed Study

11 CREDITS

Fish & Wildlife Sciences Courses

COURSE

FISH 411	Fish Physiology
FISH 535	Limnology
FISH 516	Animal Movement, Dispersal & Migration
FISH 521	Community Ecology
FISH 525	Aquaculture in Relation to Wild Fish Pops
FISH 526	Climate Effects & Conservation Management
FISH 515	Large River Fisheries
FISH 511	Advanced Fish Physiology
FISH 540	Wetland Restoration
FISH 550	Ecology & Conservation of Freshwater Invertebrates
FISH 551	Freshwater Invertebrate Field Methods
WLF 440	Conservation Biology
REM 411	Wildlife Habitat Ecology & Assessment
WLF 530	Riparian Ecology
WLF 540	Conservation Genetics
WLF 561	Landscape Genetics
WLF 562	Landscape Genetics Lab
WLF 545	Wildlife Habitat Ecology
WLF 575	Behavioral Ecology

8 CREDITS

Quantitative & Statistical Methods

COURSE

STAT 419	Introduction to SAS/R
STAT 422	Sample Survey Methods
STAT 431	Statistical Analysis
WLF 503	Matrix Population Modeling
WLF 551	Applied Mixed Effects Modeling
WLF 550	Quantitative Analysis of Fish & Wildlife Pops

3 CREDITS

- 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.

Policy, Planning & Society

COURSE

ENVS 523	Planning Sustainable Places
ENVS 520	Introduction to Bioregional Planning
ENVS 530	Planning Theory & Process
ENVS 577	Law, Ethics, & the Environment
ENVS 579	Introduction to Environmental Regulations
FISH 510	Advanced Fish & Wildlife Management
FOR 584	Natural Resource Policy Development
FOR 587	Wildland Fire Policy
NRS 475	Local & Regional Environmental Planning
NRS 574	Environmental Politics & Policy
NRS 576	Environmental Project Management & Decision Making
NRS 588	NEPA in Policy & Practice
NRS 555	Human Dimensions of Natural Resources

2-3 CREDITS

Electives

COURSE

BE/ENVS 450	Environmental Hydrology
ENVS 504	Research Methods in the Environmental Social Sciences
SOILS/ENVS 544	Water Quality in the Pacific Northwest
FOR 451	Fuels Inventory & Management
FOR 554	Air Quality, Pollution & Smoke
FOR 526	Fire Ecology
GEOG 524	Hydrological applications of GIS & Remote Sensing
NRS 472	Remote Sensing of the Environment
NRS 507	Moral Reasoning in Natural Resources
NRS 552	Current Lit in Remote Sensing
NRS 578	Lidar & Optical Remote Sensing Analysis
NRS 580	Restoration Ecology Practicum
REM 440	Restoration Ecology
REM 456	Integrated Rangeland Management
REM 459	Rangeland Ecology
REM 507	Landscape & Habitat Dynamics
REM 520	Advanced Vegetation Measurement & Monitoring
WLF 521	Communicating Science Broadly

6-7 CREDITS

- 30 credits minimum are required for a Master of Natural Resources.
- Minimum of 18 credits numbered 500 or above are required to graduate.
- Up to 12 semester credits can be transferred into the program from other institutions.

