



University of Idaho  
Master of Natural Resources

## Master of Natural Resources: Fire Ecology & Management Option

### Program Overview

The Master of Natural Resources (MNR) is an interdisciplinary course-based graduate program designed for current and aspiring professionals who wish to enhance their educational credentials for a career in natural resources. The Fire Ecology and Management Option provides depth to address wild-fire management challenges facing society. Completing this option will help students advance their professional careers in wildland fire management, fuels management, restoration, and conservation. The degree also reinforces fundamentals in applied ecology, natural resources management, communications, and other career-advancing knowledge and skills.

### Employment Opportunities

- Fire ecologist (AFE Certified)
- Landscape ecologist
- Wildland fuels specialist
- Fires and fuels researcher
- Wildland fire extension specialist
- Forestry or range technician
- Fire management officer (requires experience)
- Non-profit, state, local wildland fire manager
- Restoration ecologist

### What makes us unique?

- CNR ranked 1st in Value and 5th for program quality for Natural Resources and Conservation -USA Today
- The first and only master's degree in Fire Ecology and Management in the US
- The college has been a leader in Natural Resources education for over 100 years
- Qualify to become a Certified Wildland Fire Ecologist through the Association for Fire Ecology
- Integrate fire management, science, and social dimensions to expand your qualifications

### 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*)
- Support for veterans and active service members
- 100% online, asynchronous available
- Apply year-round
- No GRE Required
- Network with hundreds of students in natural resources for career opportunities

### For More Information

#### Graduate Studies

cnr-grad-studies@uidaho.edu

#### Program Director

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



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## Completing the Program

The Master of Natural Resources: Fire Ecology and Management Option requires 30 credits with 18 credits at the 500 level to complete the degree. A Final Portfolio or project is required in your last semester. You will be assigned a major professor/advisor following admission.

### Degree Requirements

- **14 credits** of Fire Science & Management **core coursework**
- **2 credits** NR 599 for final project during last semester
- **2-3 credits** in the Ecology and Management bin
- **6 credits** in the Policy, Planning, and Society bin
- **4 credits** in the Tools and Technology bin
- **2 credits** of additional Electives

### Fire Science & Management Core

COURSE	
FOR 451	Fuels Inventory & Management
FOR 526	Fire Ecology
FOR 546	Science Synthesis & Communication
FOR 557	Advanced Fire Behavior
FOR 587	Wildland Fire Policy

**14 CREDITS**

### Tools & Technology

COURSE	
FOR 554	Air Quality, Pollution, & Smoke
NRS 504	Research Methods in the Env Social Sciences
NRS 578	Lidar and Optical Remote Sensing Analysis
NRS 580	Restoration Ecology Practicum
REM 407	GIS Application in Fire Ecology & Management
REM 507	Landscape & Habitat Dynamics
REM 520	Advanced Vegetation Measurement & Monitoring

**4 CREDITS**

### Ecology & Management

COURSE	
FISH 526	Climate Change & Conservation
FISH 540	Wetland Restoration
FOR 501	Seminar: Current Topics
REM 440	Wildland Restoration Ecology
REM 459	Rangeland Ecology
REM 507	Landscape & Habitat Dynamics
WLF 440	Conservation Biology
WLF 506	Seminar: External speakers
WLF, FOR, REM, ENVS 504 - Special Topics	

**2-3 CREDITS**

\* REM 507 Landscape and Habitat Dynamics can be used for either the Ecology and Management requirement -OR- the Tools and Technology requirement (but not both).

\*FOR 554 Air Quality, Pollution, and Smoke can be used to contribute to either the Policy, Planning and Society requirement -OR- the Tools and Technology requirement (but not both).

### Policy, Planning, & Society

COURSE	
ENVS 523	Planning Sustainable Places
ENVS 530	Public Planning Theory & Process
ENVS 577	Law, Ethics, & the Environment
FOR 554	Air Quality, Pollution, & Smoke
FOR 584	Natural Resource Policy Development
FS 536	Principles of Sustainability
NRS 501	Seminar
NRS 504	Special Topics
NRS 507	Moral Reasoning in Natural Resources
NRS 555	Human Dimensions of Natural Resources
NRS 574	Environmental Politics & Policy
NRS 576	Environmental Project Mgmt & Decision Making
NRS 588	NEPA in Policy & Practice

**6 CREDITS**

### Additional Requirements

COURSE	
Electives or additional courses	
NR 599 - Non-thesis Master's Research Final Project	

**4 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.

- 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.

