

Areas of Study in Natural Resource Ecology and Management (NREM)

- Fire Ecology
and Management
- Fisheries and Aquatic
Ecology
- Forest Management
- Natural Resource
Communications
- Forest Resource
Conservation
- Rangeland Ecology
and Management
- Wildlife Ecology and
Management
- Urban and Community
Forestry



For more information visit:
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UNIVERSITY**

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Natural Resource Ecology and Management



College of
Agricultural Sciences
and Natural Resources
Oklahoma State University



The Department of Natural Resource Ecology and Management at Oklahoma State University was created by combining faculty in fisheries, wildlife, forestry, and rangeland ecology and management to work more effectively on projects that concern natural resources that impact Oklahomans.

Oklahoma State University is a land grant institution. Proud of its land grant heritage, Oklahoma State University advances knowledge, enriches lives, and stimulates economic development through instruction, research, and outreach activities.

The mission of the Department of Natural Resource Ecology and Management is to conduct interdisciplinary research, instruction, and extension education to address the sustainable management and conservation of the fishery, forest, rangeland, and wildlife resources of Oklahoma and beyond.

This department is a source of cutting-edge research, quality instruction, and effective outreach to students, landowners, managers, and public agencies of Oklahoma.

The NREM Department maintains a number of central objectives that allow it to adjust and grow, continuously meeting the needs and demands of the evolving world.

These include:

- Conducting research on the organisms, components, and processes of natural ecosystems and generating knowledge to apply to the management of ecosystems.
- Developing interdisciplinary systems approaches to obtain sustainability of natural resources.
- Fostering basic scientific knowledge and public appreciation for the natural history of indigenous plants and animals in Oklahoma.

- Enhancing existing and developing additional innovative outreach programs that provide citizens with the knowledge and tools to make good decisions on issues of preservation, conservation, sustainable use, and restoration.
- Involving students in outreach activities highlighting conservation and management to provide continuing education benefits for professionals and non-professionals.
- Enhancing undergraduate and graduate programs in fisheries, forestry, rangeland, and wildlife ecology and management and developing new curricula in natural resource conservation, fire ecology, and natural history.
- Fostering a broad understanding of resource preservation, conservation, and management through collaboration with related disciplines.

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**Possible careers
obtained with a major
in NREM:**

Fire

Burn Crew Manager/Member
Fire Ecologist
Fire Management Officer/
Specialist
Prescribed Fire Specialist
Refuge/Preserve Manager



Fisheries

Aquaculturist
Conservation Officer
Fisheries Administrator/
Program Coordinators
Fisheries Manager
Fisheries Researcher

Forestry

Forest Conservation
Forest Products
Forest Recreation Manager
Forest Resource Manager
Nursery Manager
Urban Forester



Rangeland

Field Botanist
Range Conservationist
Rangeland Assessment
Rangeland Economist
Ranch Manager
Refuge/Preserve Manager
Restoration Ecologist
Watershed/Riparian
Ecologist

Wildlife

Biological Technician
Conservation Officer/Game
Warden
Regulatory Biologist
Wildlife Biologist
Wildlife Damage Manager
Wildlife Habitat Manager
Zoo Biologist



**NREM graduates obtain
positions with the following
organizations:**

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Bureau of Indian Affairs
- Department of Defense
- Educational Institutions
- Environmental Consultant Companies
- National Park Service
- Natural Resource Conservation Service
- Nongovernmental Conservation Organizations
- Private Industry
- State Game and Forestry Departments
- U.S. Bureau of Land Management
- U.S. Department of Agriculture
- U. S. Fish and Wildlife Service
- U.S. Forest Service
- U.S. Geological Survey

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