

Natural Resource Ecology and Management



Student Spotlight

Anna O'Hare
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"When deciding what to select for my major, my main concern was finding a major that would prepare me for a job where I could spend time outdoors. As a natural resource ecology and management major, I have experienced just that—even a lot of my classes have outdoor components to them!"

What is Natural Resource Ecology and Management?

The natural resource ecology and management major provides an integrated education in renewable natural resources management, conservation and utilization, as well as a valuable perspective for understanding and solving critical environmental problems on local, regional and global scales.

Why Study Natural Resource Ecology and Management?

The management of all natural resources becomes increasingly important as the demands on natural and managed habitats increase. The quality of our lives is directly connected to the health of our ecosystems. Natural resource ecology and management programs are designed to give our graduates the tools and experiences necessary to understand and apply ecological sciences and principles to benefit mankind and the environment. These ecological principles apply to the wise management of both public and private lands as well as to intensively managed or wilderness landscapes. The professional positions our graduates pursue upon graduation are as varied as the natural resources they wish to protect and enhance.

Finish in 4

For each undergraduate degree program in CASNR, we have prepared example plans of how you may successfully complete your degree plan in four years.

Where Do You See Yourself?

Conservation officer
Ecologist
Fire ecologist
Fisheries biologist
Forester
Game warden

Range Extension educator
Rangeland conservationist
Refuge/preserve manager
Veterinarian
Wildlife habitat manager
Zoo biologist



OSUCASNR

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Major Options

Within natural resource ecology and management, you have the option to select a predefined emphasis area or work with your faculty advisor to customize your plan of study.

Fisheries and Aquatic Ecology

Designed to give an understanding of the techniques, methodologies and management issues in fisheries science and management and aquaculture.

Forest Ecology and Management

Emphasizes the biological, socio-political and managerial skills needed to ensure the sustainability of forest ecosystems.

Rangeland Ecology and Management

Provides knowledge of ecology of grasslands and other kinds of rangelands and how these lands can be sustainably managed for multiple uses and ecosystem health.

Wildlife Biology and Pre-Veterinary Science

Preparation for post-graduate studies in veterinary medicine with a focus on wild and/or exotic species.

Wildlife Ecology and Management

Provides the biological and ecological basis for managing wildlife populations and habitats with emphasis on current management issues.

Oklahoma State University

*College of Agricultural Sciences and
Natural Resources*

Department of Natural Resource
Ecology and Management

*Natural Resource Ecology and
Management Major*

Fast Fact

A study abroad course to Ecuador and the Galápagos Islands is offered, and unique ecosystems from the Andes to the Amazon jungle are studied.

Highlight

Seniors in their final capstone course tackle a real resource management problem for a land or resource agency, working with a professional or private landowner. This prepares graduates for their first professional assignment.

OSU Department of Natural Resource Ecology and Management

Real-World Experience

Students in all options are encouraged or required to have internships or professional summer job experience before graduation. This provides students real-world experiences, enhances their educational experience and may well lead to permanent employment following graduation.

Student Involvement

Many students in the OSU Department of Natural Resource Ecology and Management join and become active members of one of the many student organizations. Participation in one or more of these organizations provides students the opportunity to attend state, regional or national meetings where they will gain valuable advantages through networking, student competitions and interacting with various career-related activities.

