The Forest & Natural Resource Management (FNRM) major at the University of Minnesota is perfect for anyone interested in forestry, conservation, parks, urban greenspace, and the environment. Field sessions, top faculty, small class sizes, and a big reputation make this a great major for those who love the outdoors and want a career in natural resources.

Choose a specialization in...

**Forest Ecosystem Management & Conservation**
Learn the science, practices, and techniques to manage forest ecosystems to protect and ensure their sustainable use. Graduates are involved in conservation planning, ecology, forest policy and protection, timber production, resource analysis, and more. *

**Park & Protected Area Management**
Learn how to plan and manage parks, wilderness, forests, lakes, rivers, and other natural resources for the visitors who enjoy them, for the communities who depend on them, and for society as a whole. Graduates are involved in land management, park management, visitor education, tourism, and more.

**Urban & Community Forestry**
Learn to manage urban natural resources to improve the quality of life for people in towns and cities while also protecting environmental resources. Graduates are involved in the planning, design, and management of trees and vegetation in parks, greenbelts, open spaces, and private lands.*

Why the U of M?
- An interdisciplinary program gives students a well-rounded education
- Small community feel on the St. Paul campus with all the benefits of a Big Ten university
- Field courses provide hands-on experience
- Small class sizes allow access to top faculty known for their leadership in science and education
- Located in the Twin Cities with close connections to local, state, and federal agencies and natural resource agencies

Learn more at z.umn.edu/FNRM

*accredited by the Society of American Foresters (SAF)
TYPES OF CAREERS INCLUDE:

- Urban forester
- Forester
- Arborist
- Park / river ranger
- Conservationist
- Forest manager
- Environmental educator
- Environmental planner
- Forest ecologist
- Forest hydrologist
- Forest health specialist
- Habitat manager
- Natural resource technician
- Nursery manager
- Outdoor recreation manager
- Park manager
- Park naturalist
- Researcher / scientist
- Restoration specialist
- Silviculture specialist
- Soil & water conservationist
- Sustainable tourism planner
- Watershed manager
- Wilderness manager

TYPES OF EMPLOYERS INCLUDE:

- MN Department of Natural Resources
- City forestry & parks organizations
- US Bureau of Indian Affairs
- US Bureau of Land Management
- US Forest Service
- US National Park Service
- Tree service firms and nurseries
- County, state, & federal land agencies
- Environmental nonprofit organizations
- Forest products industry
- Nature / conservation centers
- Pollution control agencies
- Water resource agencies

Major & Track Curriculum

Students in Forest & Natural Resource Management gain a base of knowledge in the biological, physical, and social sciences before learning to apply that knowledge to the management of forests and natural resources. All students in the major will take courses in:

- University Writing
- Public Speaking
- Biology
- Botany
- Forest Ecology
- Soil Science
- Chemistry
- Math & Statistics
- Natural Resource Economics
- Environmental Policy
- Dendrology / Plant Identification
- Managing Recreational Lands

Examples of the core courses for each specialization:

**Forest Ecosystem Management & Conservation**
- Hydrology & Watershed Management
- Measuring & Modeling Forests
- Remote Sensing / GIS
- Introductory Field Training
- Managing Ecosystems: Silviculture
- Timber Harvesting & Road Planning
- Forest Planning & Management
- Environmental Leadership & Planning
- Diseases of Forest & Shade Trees
- Introduction to Fisheries & Wildlife
- Advanced Field Training

**Park & Protected Area Management**
- Managing Recreational Lands
- Park & Protected Area Tourism
- Visitor Behavior Analysis
- Environmental Leadership & Planning
- Sustainable Land Use & Planning
- Environmental Interpretation
- Hydrology & Watershed Management
- Introduction to Fisheries & Wildlife
- Introduction to Psychology
- Introduction to Social Psychology

**Urban & Community Forestry**
- Arboriculture
- Woody & Herbaceous Plants
- Urban Forest Management
- Forest & Shade Tree Entomology
- Forest Ecology
- Introductory Field Training
- Managing Ecosystems: Silviculture
- Trees: Structure & Function
- Measuring & Modeling Forests
- Hydrology & Watershed Management
- Introduction to Urban Studies

Minors, certifications, and many study abroad programs are also available and encouraged to enrich a student’s education.

For more information, visit z.umn.edu/FNRM or contact Laura Nelson at nels6831@umn.edu