



Program in Forestry Ecology & Management

School of the Environment

Degree Options

Bachelor of Science in Earth and
Environmental Sciences

Major

Forestry

Minors

Earth Sciences
Environmental Science
Forestry
Geospatial Analysis
Natural Resources
Wildlife Ecology

Program Strengths

- The Forestry major prepares you to work as a professional forester, performing tasks ranging from increasing timber production to restoring wildlife habitat.
- The major combines a strong background in the plant sciences with a strong emphasis on spatial analysis including landscape ecology and GIS
- Graduates are expected to be field ready with a strong background in plant identification, forest measurements, and forest stand management
- Students benefit from an integrated common core of course work rooted in the environment, taken in concert with students majoring in related disciplines.
- Hands on experience in on-campus and off-campus laboratory exercises and internship opportunities
- Students may elect to complete a minor in geospatial analysis along with a major in forestry

Admission to the Major Requirements

Students may be admitted as Forestry majors upon declaring their intent to the department.

Suggested Classes for Freshmen

BIOL 106: Introductory Biology: Organismal Biology
BIOL 107: Introductory Biology: Cellular Biology and Genetics
CHEM 101: Introduction to Chemistry
ECONS 101: Fundamentals of Microeconomics
MATH 106: College Algebra
MATH 108: Trigonometry

Suggested Classes for Transfer Students

SOE 204: Natural Resource Measurements
SOE 300: Natural Resources Ecology
SOE 301: Forest Plants and Ecosystems
SOE 302: Arid Land Plants and Ecosystems
SOE 305: Silviculture
SOE 312: Natural Resources, Society and the Environment

Math Requirement

MATH 106: College Algebra
MATH 108: Trigonometry
STAT 212: Introduction to Statistical Methods
Advanced sampling/statistics

School of the Environment Core Courses

Ecology, Earth Systems, Water Science, Modeling and Spatial Analysis, Society and Environmental Management, Statistics, Advanced Communications, Integrated Capstone, Experiential Learning Opportunity

Forestry Core Courses

ECON 330: Natural Resources Economics
SOE 204: Natural Resource Measurements
SOE 301: Forest Plants and Ecosystems
SOE 302: Arid Land Plants and Ecosystems
SOE 304: Forestry Measurements
SOE 305: Silviculture
SOE 404: Sampling Terrestrial Ecosystems
SOE 430: Introduction to Wildland Fire
SOE 438: Natural Resources Policy and Law
SOE 464: Landscape Ecology
SOE 485: Disturbance Ecology
SOIL SCI 368: Introduction to Geographic Information Systems
SOIL SCI 374: Remote Sensing and Airphoto Interpretation
SOIL SCI 468: GIS Spatial Analysis

Student Clubs

Forestry Club
Environmental Science Club
Geology Club
The Wildlife Society

Career Options

Forester
Government Agency Forester
Environmental Consultant
Land, refuge, or wildlife habitat manager
Harvest Manager
Geographic Information Systems Specialist

For more information:

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Notes:

The School of the Environment is affiliated with both the College of Arts and Sciences and the College of Agricultural, Human, and Natural Resource Sciences.