University Requirements

- US Diversity 3cr  [https://tinyurl.com/y78jf6vn](https://tinyurl.com/y78jf6vn)
- Int’l Perspective 3cr  [https://tinyurl.com/yayxa4gn](https://tinyurl.com/yayxa4gn)
- LIB 160 1cr  Information Literacy

CALS Requirements

- ENGL 150* 3cr  Critical Thinking & Comm.
- ENGL 250* 3cr  Composition
- SP CM 212* 3cr  Fund. Of Public Speaking
- Ethics 3cr  [https://tinyurl.com/ycr44mut](https://tinyurl.com/ycr44mut)
- Humanities 3cr  [https://tinyurl.com/ydxb9yxu](https://tinyurl.com/ydxb9yxu)
- Social Science 3cr  [https://tinyurl.com/yas2b3xa](https://tinyurl.com/yas2b3xa)
*For these courses a C grade or higher is required

Additional Communications

3 Credits of additional communications from the following:
- ENGL 302, 309, 312, or 314

Math & Science

- BIOL 211+Lab 4cr  Biology I
- CHEM 163+Lab 5cr  Chemistry
- AGRON 182 3cr  Fundamentals of Soil Science
- MATH 140 3cr  College Algebra
- STAT 101 or 104 3-4cr  Introduction to Statistics

3-4 Credits of additional math from the following:
- MATH 151, 160, 165, NREM 240, or STAT 301

Forestry Foundation

- NREM 110 1cr  Orientation to NREM
- NREM 211 1cr  Careers in NREM
- NREM 120 3cr  Intro to Renewable Res.
- FOR 201 2cr  Forest Biology
- FOR 202 2cr  Wood Utilization
- FOR 203 2cr  Resource Measurements/Evaluation
- FOR 204 2cr  Forest Ecosystem Decision-Making
- FOR 205 3cr  Integrated Forestry Lab
- FOR 206 4cr  Fall Forestry Camp
- FOR 302 4cr  Silviculture
- FOR 451 4cr  Forest Res. Econ. & Quant. Methods
- FOR 454 3cr  Forestry Practicum

Core Requirements (above coursework) + Option Electives (4 emphases to choose from) + Free Electives (additional courses of choice) = 128 credits required to earn a degree (must include all of the required courses for the major)

For descriptions of courses, visit the ISU Course Catalog at [https://catalog.iastate.edu/azcourses/](https://catalog.iastate.edu/azcourses/)
PRACTICAL WORK EXPERIENCE  This is not a class but a requirement for graduation; students must complete 400 hours of career-related experience (paid, volunteer, intern, etc.) Potential opportunities should be approved by their academic advisor to ensure eligibility. This requirement allows for students to:

* Network within their field
* Learn if their chosen field is right for them
* Experience the application process
* And more!

Resources include, but are not limited to, the NREM job board [https://www.nrem.iastate.edu/employment/](https://www.nrem.iastate.edu/employment/)
Experiences and hours are recorded and submitted using the form found at [http://www.nrem.iastate.edu/workexperience](http://www.nrem.iastate.edu/workexperience)

AREAS OF SPECIALIZATION (OPTIONS)

**Forest Ecosystem Management Option**

This area concentrates on the management of complete forest ecosystems. It deals with a spectrum of forestland, from timber harvest to wilderness preservation. Students study forest biology, ecology, and management, including recreational use, timber production, and wildlife habitat.

Careers include: Forester, Ranger, Forest Ecologist, Forest Fire Fighter

**Natural Resource Conservation & Restoration Option**

This option concentrates on the management of natural resources other than just timber. Students learn about the care of forests and other natural areas such as prairies and wetlands, with emphasis on ecosystem conservation & preservation, environmental benefits, and human impact.

Careers Include: Ranger, Restoration Ecologist, Environmental Consultant

**Interpretation of Natural Resources Option**

Those in the Interpretation option often have the goal of teaching others about the importance of natural resources. Students study a wide variety of topics related to natural history, earth science, and communication techniques.

Careers include: Park Ranger/Conservation Law Enforcement Officer, Environmental Educator, Naturalist, Natural Resource Policy, Public Relations, and Law

**Urban & Community Forestry Option**

Urban and Community Forestry concentrates on the management of trees in urban settings such as city parks, greenbelt areas, and boulevards. Students learn to implement site assessments, long-term management, and pest management plans.

Careers include: Arborist, Arboretum or Nursery Director, Municipal Forester