The following courses are required for all Forestry students

**GENERAL EDUCATION**  
(28 credits)
- ENGL 150  Critical Thinking & Communication
- ENGL 250  Composition
- Adv. Comm. Elective  ENGL 302, 309, 312 or 314
- LIB 160  Information Literacy
- SP CM 212  Fundamentals of Public Speaking
- Social Science Elective  SOC 134 or 230
- Ethics Elective  See list on Iowa State Website
- Humanities Elective  See list on Iowa State Website
- U.S. Diversity Elective  See list on Iowa State Website
- Int’l Perspective Elective  See list on Iowa State Website

**SCIENCE FOUNDATION**  
(21-22 credits)
- AGRON 182  Fundamentals of Soil Science
- BIOL 211 +Lab  Principles of Biology I +Lab
- CHEM 163 +Lab  College Chemistry +Lab
- MATH 140  College Algebra
- MATH 150  Discrete Mathematics
- STAT 101 or 104  Introduction to Statistics

**FORESTRY FOUNDATION**  
(30 credits)
- FOR 201  Forest Biology
- FOR 202  Wood Utilization
- FOR 203  Resource Measurements/Evaluation
- FOR 204  Forest Ecosystem Decision-Making
- FOR 205  Integrated Forestry Lab
- FOR 206  Fall Forestry Camp
- FOR 302  Silviculture
- FOR 451  Forest Resource Economics & Quantitative Methods
- FOR 454  Forestry Practicum
- NREM 110  Orientation in NREM
- NREM 120  Introduction to Renewable Resources
- NREM 211  Careers in Natural Resources

**FREE ELECTIVES**
Miscellaneous classes that can be applied towards graduation but not applied towards the major requirements. Can include A ECL, FOR, or NREM courses after minimum requirements met within option.

**Total Credits to Graduate**  128 credits
NREM 104: PRACTICAL WORK EXPERIENCE
Required before graduation, students must complete one full-time summer career-related internship experience. Opportunities should be approved by current adviser prior to the start of the experience. Directly following the experience, summary forms must be submitted. Forms can be found at http://www.nrem.iastate.edu/workexperience

OPTIONS WITHIN FORESTRY

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

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

Interpretation of Natural Resources
The Interpretation option concentrates on natural history, earth science, and communication techniques. Students in this option will study the natural environment and learn how to teach others about natural resource related topics.

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

Natural Resource Conservation & Restoration
This area concentrates on management of natural resources other than timber. Students learn about the care of forests and other natural areas with an emphasis on ecosystem conservation & preservation, environmental benefits and human impact.

Careers include: Ranger, Restoration Ecologist, Environmental Consultant

Urban & Community Forestry
This field of 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 plans and pest management along with effective communication.

Careers include: Arborist, Municipal Forester, Arboretum Director
FORESTRY 200 SERIES

The Forestry 200 Series is a required series of classes usually taken during the fall of the sophomore year – no other courses can be taken at this time. The series is comprised of 6 classes (FOR 201-206) for 15 credits total, that are designated to provide students with an integrated experiential foundation in forestry. The program also provides students an understanding of the various career paths they can pursue in forestry.

A highpoint of the 200 Series is the FOR 206 class. FOR 206 is a 3 week off-campus camp! Depending on the year, Forestry Camp can take place at various sites around the country. In recent years students have been to Montana, Alabama, Michigan and Minnesota.

During Camp, students are typically based at a designated camp but travel almost daily to various sites in the surrounding region. On these trips they may visit professionals in specific fields such as a Forest Service representative or an Urban Forester, or they may go to a national park to collect data to analyze later.

Forestry Camp is a rigorous course but you are guaranteed to learn more than you ever have, develop lasting friendships, and have an amazing time!