FOREST SCIENCE, B.S.

Forest ecosystems cover one third of the world’s land area and nearly half of Wisconsin. They provide a range of benefits to society including wood and fiber, wildlife habitat, biological diversity, clean water, carbon storage, recreation, beauty, and cultural values. The Department of Forest and Wildlife Ecology trains foresters to sustainably manage forests toward sustainable ecological, social, and economic outcomes. Forest science students also learn how to respond to forest disturbances from insects, diseases, fire, and other changes. Beyond a core of basic science and forestry coursework, students have flexibility to customize their learning experience within one of three tracks: forest conservation, forests and the environment, and forest management. All three tracks meet accreditation standards of the Society of American Foresters, a key credential that employers seek. Students are also well positioned to pursue graduate training in forestry, ecology, remote-sensing, natural resource policy, and related fields.

Students learn through a mix of classroom, laboratory, and field instruction that emphasizes independent thinking and problem-solving. Students make frequent visits to forests to develop and hone their skills, essential for future job opportunities. Students also engage professional and student-led trainings and networking that further build skills. Graduates go on to jobs in private, public, and non-governmental sectors or pursue graduate degrees.

HOW TO GET IN

To declare this major, students must be admitted to UW–Madison and the College of Agricultural and Life Sciences (CALS). For information about becoming a CALS first-year or transfer student, see Entering the College (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#enteringthecolleetext).

Students who attend Student Orientation, Advising, and Registration (SOAR) with the College of Agricultural and Life Sciences have the option to declare this major at SOAR. Students may otherwise declare after they have begun their undergraduate studies. For more information, contact the advisor listed under the Advising and Careers tab.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the University Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytetext) section of the Guide.

College of Agricultural and Life Sciences Requirements

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

MAJOR REQUIREMENTS

Select one of the following (or may be satisfied by placement exam):
MATH 112 & MATH 113
Algebra and Trigonometry

MATH 114
Algebra and Trigonometry

Select one of the following:

STAT 301
Introduction to Statistical Methods

STAT 371
Introductory Applied Statistics for Life Sciences (recommended)

Chemistry
Select one of the following:

CHEM 103
General Chemistry I

CHEM 108
Chemistry in Our World

Chem 109
Advanced General Chemistry

Biology
Select one of the following options:

Option 1 (recommended introduction to biology sequence):

BOTANY/ BIOLOGY 130 & ZOOLOGY/BIOLOGY 101
General Botany and Animal Biology Laboratory

Option 2:

BOTANY/ BIOLOGY 151
Introductory Biology

& BIOLOGY 152
Introductory Biology

Option 3:

BIOCORE 381
Evolution, Ecology, and Genetics

& BIOCORE 382
Evolution, Ecology, and Genetics Laboratory

& BIOCORE 383
Cellular Biology

& BIOCORE 384
Cellular Biology Laboratory

Economics

A A E 215
Introduction to Agricultural and Applied Economics

or ECON 101
Principles of Microeconomics

Conservation
Select one of the following:

ENVIR ST/LAND ARC 361
Wetlands Ecology

F&W ECOL/ENVIR ST/ZOOLOGY 360
Extinction of Species (recommended)

F&W ECOL/LAND ARC/ZOOLOGY 565
Principles of Landscape Ecology

F&W ECOL/BOTANY/ENVIR ST/ZOOLOGY 651
Conservation Biology (recommended)

GEOG/ENVIR ST 339
Environmental Conservation

Grade of C or better required in each core course

SOIL SCI 301
General Soil Science

F&W ECOL 300
Forest Biometry

GEOG/CIV ENGR/ENVIR ST 377
or F&W ECOL/ENVIR ST/G E O S C I/LAND ARC 371
An Introduction to Geographic Information Systems

Introduction to Environmental Remote Sensing

F&W ECOL/HORT/LAND ARC/PL PATH 309
Diseases of Trees and Shrubs

F&W ECOL 399
Coordinative Internship/Cooperative Education

BOTANY/F&W ECOL 402
Dendrology

F&W ECOL 410
Principles of Silviculture

F&W ECOL 411
Practices of Silviculture

F&W ECOL 415
Tree Physiology

F&W ECOL/ENTOM 500
Insects in Forest Ecosystem

Function and Management

F&W ECOL 501
Forest Fire Behavior and Management

ENVIR ST/F&W ECOL 515
Natural Resources Policy

F&W ECOL 550
Forest Ecology

F&W ECOL 551
Forest Ecology Lab

A A E/ENVIR ST/F&W ECOL 552
Decision Methods for Natural Resource Managers

F&W ECOL 658
Forest Resources Practicum

Electives
Select one of the following tracks:

Forest Management Track

Forest Conservation Track

Forests & Environment Track

Capstone

Grade of C or better required in Capstone

F&W ECOL 590
Integrated Resource Management

Total Credits

84-96

1 A A E 215 only carries QR-B credit if taken fall 2011 or later.

2 These courses may double count as track electives.

3 F&W ECOL/ENVIR ST/ZOOLOGY 360 Extinction of Species may also fulfill CALS International Studies requirement.

MINIMUM GRADE REQUIREMENT

Students who declare the major in fall 2012 or later will be required to receive a grade of C or higher in all of the Forest Science Core courses and the Capstone. Students who receive a grade of D or below will be required to retake the course for graduation.
## TRACKS

### FOREST MANAGEMENT TRACK

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Select 12 credits from any of the following courses:</td>
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**Soils and Landscapes:**

- F&W ECOL/LAND ARC/ZOOLOGY 565 Principles of Landscape Ecology
- GEOG 329 Landforms and Landscapes of North America
- SOIL SCI 325 Soils and Landscapes
- SOIL SCI/F&W ECOL 451 Environmental Biogeochemistry

**Economics and Business:**

- A A E/ENVIR ST 244 The Environment and the Global Economy
- A A E/ECON/ENVIR ST 343 Environmental Economics
- A A E 419 Agricultural Finance
- GEN BUS 310 Fundamentals of Accounting and Finance for Non-Business Majors
- GEN BUS 311 Fundamentals of Management and Marketing for Non-Business Majors
- INTL BUS 200 International Business
- LSC 270 Marketing Communication for the Sciences
- M H R 300 Managing Organizations
- M H R 305 Human Resource Management
- M H R 401 The Management of Teams
- OTM 300 Operations Management

**Urban and Wildland Forest Management:**

- ENVIR ST/PL PATH 368 Environmental Law, Toxic Substances, and Conservation
- F&W ECOL 375 Special Topics (Tree Stability Analysis)
- HORT/LAND ARC 263 Landscape Plants I
- HORT/AGRONOMY/SOIL SCI 326 Plant Nutrition Management
- HORT 375 Special Topics (Aboriculture)
- GIS/Remote Sensing:
  - ENVIR ST 400 Special Topics in the Environment: Biological Aspects of Envir St (Fieldcraft & Field Methods for Environmental Researchers)
  - ENVIR ST/SOIL SCI 575 Assessment of Environmental Impact
  - ENVIR ST/LAND ARC/SOIL SCI 695 Applications of Geographic Information Systems in Natural Resources

**Wildlife and Fisheries Ecology:**

- F&W ECOL 306 Terrestrial Vertebrates: Life History and Ecology
- F&W ECOL 318 Principles of Wildlife Ecology
- F&W ECOL/ENVIR ST/ZOOLOGY 360 Extinction of Species
- F&W ECOL 379 Principles of Wildlife Management
- F&W ECOL 404 Wildlife Damage Management
- F&W ECOL 655 Animal Population Dynamics
- ZOOLOGY/ENVIR ST 315 Limnology-Conservation of Aquatic Resources
- ZOOLOGY 316 Laboratory for Limnology-Conservation of Aquatic Resources
- ZOOLOGY/ENVIR ST 510 Ecology of Fishes
- ZOOLOGY/ENVIR ST 511 Ecology of Fishes Lab
- ZOOLOGY/AN SCI/F&W ECOL 520 Ornithology
- ZOOLOGY/AN SCI/F&W ECOL 521 Birds of Southern Wisconsin
- ZOOLOGY/BOTANY/ENVIR ST/F&W ECOL 651 Conservation Biology

**Total Credits**

12

### FOREST CONSERVATION TRACK

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<tr>
<td>Select 3 credits from each of the following areas:</td>
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**Plant Ecology and Diversity:**

- BOTANY/PL PATH 332 Fungi
- BOTANY 401 Vascular Flora of Wisconsin
- BOTANY 422 Plant Geography
- BOTANY/F&W ECOL 455 The Vegetation of Wisconsin
- F&W ECOL 635 Forest Stand Dynamics
- GEOG/BOTANY 338 Environmental Biogeography

**Animal Ecology and Diversity:**

- ENTOM/ZOOLOGY 302 Introduction to Entomology
- ENTOM/BOTANY/ZOOLOGY 473 Plant-Insect Interactions
- F&W ECOL 306 Terrestrial Vertebrates: Life History and Ecology
- F&W ECOL 375 Special Topics (Wildlife-Habitat Relationships)
F&W ECOL 655  Animal Population Dynamics
ZOOL/ ENVIR ST 315  Limnology-Conservation of Aquatic Resources
ZOOL 316  Laboratory for Limnology-Conservation of Aquatic Resources
ZOOL/ ENVIR ST 510  Ecology of Fishes
ZOOL/ ENVIR ST 511  Ecology of Fishes Lab
ZOOL/ AN SCI/ F&W ECOL 520  Ornithology
ZOOL/ AN SCI/ F&W ECOL 521  Birds of Southern Wisconsin

Conservation Biology:  3
ENVIR ST/ LAND ARC 361  Wetlands Ecology
F&W ECOL/ ENVIR ST/ ZOOL 360  Extinction of Species
F&W ECOL/ LAND ARC/ ZOOL 565  Principles of Landscape Ecology
F&W ECOL/ BOTANY/ ENVIR ST/ ZOOL 651  Conservation Biology
GEOG/ ENVIR ST 339  Environmental Conservation
ZOOL/ ANTHRO/ BOTANY 410  Evolutionary Biology

Natural Resources Management and Policy:  3
A A E/ ENVIR ST 244  The Environment and the Global Economy
A A E/ECON/ ENVIR ST 343  Environmental Economics
A A E/ECON/ F&W ECOL 531  Natural Resource Economics
ENVIR ST/ PL PATH 368  Environmental Law, Toxic Substances, and Conservation
ENVIR ST/ ECON/POLI SCI/ URB R PL 449  Government and Natural Resources
ENVIR ST/ SOIL SCI 575  Assessment of Environmental Impact
F&W ECOL 379  Principles of Wildlife Management
F&W ECOL/ ENVIR ST/ HISTORY 452  World Forest History
F&W ECOL 561  Wildlife Management Techniques
F&W ECOL/ LAND ARC/ ZOOL 565  Principles of Landscape Ecology
GEOG/CIV ENGR/ ENVIR ST 377  An Introduction to Geographic Information Systems

LAND ARC 668  Restoration Ecology

Total Credits  12

FORESTS & ENVIRONMENT TRACK

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<td>ATM OCN 100</td>
<td>Weather and Climate</td>
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<td>ATM OCN/ ENVIR ST 171</td>
<td>Global Change: Atmospheric Issues and Problems</td>
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<td>ATM OCN/ ENVIR ST/ GEOG 332</td>
<td>Global Warming: Science and Impacts</td>
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<td>ATM OCN/ ENVIR ST 535</td>
<td>Atmospheric Dispersion and Air Pollution</td>
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<tr>
<td>GEOG 329</td>
<td>Landforms and Landscapes of North America</td>
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<tr>
<td>GEOG 342</td>
<td>Geography of Wisconsin</td>
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<td>MICROBIO 303</td>
<td>Biology of Microorganisms</td>
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<td>MICROBIO 304</td>
<td>Biology of Microorganisms Laboratory</td>
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<td>SOIL SCI 321</td>
<td>Soils and Environmental Chemistry</td>
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<td>SOIL SCI/ PL PATH 323</td>
<td>Soil Biology</td>
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<td>SOIL SCI 325</td>
<td>Soils and Landscapes</td>
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<td>SOIL SCI/ F&amp;W ECOL 451</td>
<td>Environmental Biogeochemistry</td>
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<tr>
<td>BOTANY/ PL PATH 332</td>
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<tr>
<td>BOTANY 401</td>
<td>Vascular Flora of Wisconsin</td>
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<td>BOTANY 422</td>
<td>Plant Geography</td>
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<td>BOTANY/ F&amp;W ECOL 455</td>
<td>The Vegetation of Wisconsin</td>
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<td>BOTANY/ F&amp;W ECOL/ ZOOL 460</td>
<td>General Ecology</td>
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<td>ENTOM/ ZOOL 302</td>
<td>Introduction to Entomology</td>
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<td>ENTOM/BOTANY/ ZOOL 473</td>
<td>Plant-Insect Interactions</td>
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<td>ENVIR ST/ LAND ARC 361</td>
<td>Wetlands Ecology</td>
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<tr>
<td>F&amp;W ECOL 306</td>
<td>Terrestrial Vertebrates: Life History and Ecology</td>
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<td>F&amp;W ECOL 318</td>
<td>Principles of Wildlife Ecology</td>
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<tr>
<td>F&amp;W ECOL/ ENVIR ST/ ZOOL 360</td>
<td>Extinction of Species</td>
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<td>F&amp;W ECOL 375</td>
<td>Special Topics (Wildlife-Habitat Relationships)</td>
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<td>F&amp;W ECOL/ LAND ARC/ ZOOL 565</td>
<td>Principles of Landscape Ecology</td>
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<td>F&amp;W ECOL 635</td>
<td>Forest Stand Dynamics</td>
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<td>F&amp;W ECOL/ BOTANY/ ENVIR ST/ ZOOLOGY 651</td>
<td>Conservation Biology</td>
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<td>F&amp;W ECOL 655</td>
<td>Animal Population Dynamics</td>
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<td>ZOOLOGY/ ENVIR ST 315</td>
<td>Limnology-Conservation of Aquatic Resources</td>
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<td>ZOOLOGY 316</td>
<td>Laboratory for Limnology-Conservation of Aquatic Resources</td>
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<td>ZOOLOGY/ ENVIR ST 510</td>
<td>Ecology of Fishes</td>
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<td>ZOOLOGY/ ENVIR ST 511</td>
<td>Ecology of Fishes Lab</td>
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<td>ZOOLOGY/ AN SCI/ F&amp;W ECOL 520</td>
<td>Ornithology</td>
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<td>ZOOLOGY/ AN SCI/ F&amp;W ECOL 521</td>
<td>Birds of Southern Wisconsin</td>
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<tr>
<td>ENVIR ST/ BSE 367</td>
<td>Renewable Energy Systems</td>
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<td>ENVIR ST/ GEOSCI 411</td>
<td>Energy Resources</td>
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<td>ENVIR ST/ SOIL SCI 575</td>
<td>Assessment of Environmental Impact</td>
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<td>ENVIR ST/ A.A.E/ECON/ URB R PL 671</td>
<td>Energy Economics</td>
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<td>Principles of Wildlife Management</td>
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<td>GEOG/CIV ENGR/ ENVIR ST 377</td>
<td>An Introduction to Geographic Information Systems</td>
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<td>PL PATH 300</td>
<td>Introduction to Plant Pathology</td>
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<td>LAND ARC 668</td>
<td>Restoration Ecology</td>
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<td>A.A.E/ ENVIR ST 244</td>
<td>The Environment and the Global Economy</td>
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<td>Environmental Economics</td>
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<td>A.A.E/ECON/ F&amp;W ECOL 531</td>
<td>Natural Resource Economics</td>
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<td>C&amp;E SOC/ F&amp;W ECOL/ SOC 248</td>
<td>Environment, Natural Resources, and Society</td>
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<td>ENVIR ST 307</td>
<td>Literature of the Environment: Speaking for Nature</td>
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<td>ENVIR ST/ HIST SCI 353</td>
<td>History of Ecology</td>
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<td>ENVIR ST/ PL PATH 368</td>
<td>Environmental Law, Toxic Substances, and Conservation</td>
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<td>ENVIR ST/ PHILOS 441</td>
<td>Environmental Ethics</td>
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<td>ENVIR ST/ GEOG/ HIST 460</td>
<td>American Environmental History</td>
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<td>F&amp;W ECOL/ ENVIR ST/ HIST 452</td>
<td>World Forest History</td>
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<tbody>
<tr>
<td>GEOG/ ENVIR ST 339</td>
<td>Environmental Conservation</td>
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</table>

**Total Credits:** 12

**HONORS IN THE MAJOR**

Admission to the Honors Program is not competitive provided students meet the required admission criteria.

**Admission Criteria for New Freshmen:**
- In the upper 10% of their high school graduating class
- ACT score of 28 or higher
- SAT score of at least 1240

**Admission Criteria for Transfer and Continuing UW-Madison Students:**
- UW-Madison cumulative GPA of at least 3.25

Highly motivated students can apply for admission to the program in the absence of these requirements by including a letter with their application addressed to the Honors Dean in 116 Agricultural Hall explaining why they should be in the program.

**HOW TO APPLY**

Apply to the program online (https://cals.wisc.edu/wp-content/uploads/2017/05/honorsapplication_form.pdf) or request an application in the Office of Academic Affairs, 116 Agricultural Hall. Applications are accepted at any time.

New freshmen with accepted applications will automatically be enrolled in Honors in Research. It is possible to switch to Honors in the Major in the student’s first semester on campus after meeting with the advisor for that major by completing the application form and selecting Honors in the Major. Transfer and continuing students may apply directly to Honors in Research or Honors in the Major (after meeting with the major advisor).

**HOW TO CANCEL PARTICIPATION**

Students who are no longer interested in pursuing Honors should contact the CALS Honors Program Manager (see the contact box for CALS Honors Program (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/college-wide/college-agricultural-life-sciences-honors/)). Students may cancel their participation at any time, and this will not be noted on the student’s transcript.

**REQUIREMENTS**

To earn Honors in the Major, students are required to take at least 20 honors credits. In addition, students must take F&W ECOL 681 Senior Honors Thesis and F&W ECOL 682 Senior Honors Thesis when completing their thesis project; please see the Honors in Major Checklist (http://www.cals.wisc.edu/academics/undergraduate-programs/get-involved/honors-program/honors-in-the-major/) for more information.

**UNIVERSITY DEGREE REQUIREMENTS**

**Total Degree**

To receive a bachelor’s degree from UW-Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency

Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. ‘In residence’ means on the UW–Madison campus with an undergraduate degree classification. ‘In residence’ credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work

Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

1. (Ecology) Understanding of taxonomy and ability to identify forest and other tree species, their distribution, and associated vegetation and wildlife.
2. (Ecology) Understanding of soil properties and processes, hydrology, water quality, and watershed functions.
3. (Ecology) Understanding of ecological concepts and principles including the structure and function of ecosystems, plant and animal communities, competition, diversity, population dynamics, succession, disturbance, and nutrient cycling.
4. (Ecology) Ability to make ecosystem, forest, and stand assessments.
5. (Ecology) Understanding of tree physiology and the effects of climate, fire, pollutants, moisture, nutrients, genetics, insects and diseases on tree and forest health and productivity.
6. (Forest Resources Measurement and Management) Ability to identify and measure land areas and conduct spatial analysis.
7. (Forest Resources Measurement and Management) Ability to design and implement comprehensive inventories that meet specific objectives using appropriate sampling methods and units of measurement.
8. (Forest Resources Measurement and Management) Ability to analyze inventory data and project future forest, stand, and tree conditions.
9. (Forest Resources Measurement and Management) Ability to develop and apply silvicultural prescriptions appropriate to management objectives, including methods of establishing and influencing the composition, growth, and quality of forests, and understand the impacts of those prescriptions.
10. (Forest Resources Measurement and Management) Ability to analyze the economic, environmental, and social consequences of forest resource management strategies and decisions.
11. (Forest Resources Measurement and Management) Ability to develop management plans with specific multiple objectives and constraints.
12. (Forest Resources Measurement and Management) Understanding of the valuation procedures, market forces, processing systems, transportation and harvesting activities that translate human demands for timber-based and other consumable forest products into the availability of those products.
13. (Forest Resources Measurement and Management) Understanding of the valuation procedures, market, and non-market forces that avail humans the opportunities to enjoy non-consumptive products and services of forests.
14. (Forest Resources Measurement and Management) Understanding of the administration, ownership, and organization of forest management enterprises.
15. (Forest Resource Policy, Economics, and Administration) Understanding of forest policy and the processes by which it is developed.
16. (Forest Resource Policy, Economics, and Administration) Understanding of how federal, state, and local laws and regulations govern the practice of forestry.
17. (Forest Resource Policy, Economics, and Administration) Ability to understand the integration of technical, financial, human resources, and legal aspects of public and private enterprises.

FOUR-YEAR PLAN

SAMPLE FOREST SCIENCE FOUR-YEAR PLAN

Freshman

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<td>F&amp;W ECOL/ENVIR ST 100</td>
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<td>MATH 113 or 114</td>
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<td>Economics Course</td>
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<td>CHEM 103, 108, or 109</td>
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<tr>
<td>MATH 112, 113, or 114</td>
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<td>BOTANY/BIOLOGY 130</td>
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<td>COMM A Course</td>
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Sophomore

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Sophomore

<table>
<thead>
<tr>
<th>Spring</th>
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<td>F&amp;W ECOL 658 (even #’d summers)</td>
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<td>Total Credits</td>
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Junior

<table>
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<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
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<td>F&amp;W ECOL 550</td>
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<td>F&amp;W ECOL 410</td>
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<td>F&amp;W ECOL/ENTOM 500 (odd falls only)</td>
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<td>F&amp;W ECOL 501 (odd springs only)</td>
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<td>Total Credits</td>
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</table>

Total Credits 60
Track Course 3  Track Course 3  Elective Courses 4  Elective Courses 6  
Total Credits 25  

Junior  
Summer  
F&W ECOL 399 4  1  
Total Credits 1  

Senior  
Fall  
F&W ECOL 590  (Capstone)  3  F&W ECOL/A A E/ ENVIR ST  652  4  
F&W ECOL/HORT/ LAND ARC/PL PATH 309  3  F&W ECOL/ ENVIR ST  515  3  
Conservation Course (or spring)  2-4  Track Course  3  
Track Course  3  Electives  6  
Electives (to reach ~15 credits)  3  
14-16  16  
Total Credits 30-32  

1 When choosing electives, students should first consider UW and CALS requirements (ethnic studies, humanities, social science, international studies, etc.)  
2 BOTANY/BIOLOGY 130 + ZOOLOGY/BIOLOGY 101 & ZOOLOGY/ BIOLOGY 102 are strongly recommended to satisfy the introductory biology requirement for forest science, but students may use ZOOLOGY/BIOLOGY 101 & ZOOLOGY/BIOLOGY 102.  
3 F&W ECOL/ENVIR ST/G L E/GEOG/GEOSCI/LAND ARC 371 is available in fall semesters only.  
4 Summer (following second or third year): F&W ECOL 658 (3 cr., even-numbered summers) and F&W ECOL 399 (1 cr.)—4 cr. total. Students may reduce the number of required courses via: testing out of Comm-A; using ZOOLOGY/BIOLOGY/BOTANY 152 to satisfy Comm-B; testing out of Quantitative Reasoning, Part A; earning AP/IB credits; and/or using F&W ECOL/ENVIR ST/ZOOLOGY 360 to satisfy International Studies requirement.  

Although drop-ins and emergencies may be accommodated by someone in the department, the student is best served by making an appointment with the assigned advisor.  

For more information about the forest science B.S. or the department in general, please contact the student services coordinator, Todd Courtenay (todd.courtenay@wisc.edu).  

CAREERS AND PROFESSIONAL DEVELOPMENT  

For more information on careers available to forest science and wildlife ecology students, please visit our Internship & Job Resources page (https://forestandwildlifecology.wisc.edu/academics/undergraduate-programs/internship-job-resources/). For more information on other academic, co-curricular, financial aid, and career opportunities and services available to forest science B.S. students, please visit the CALS Career Services page (https://cals.wisc.edu/academics/undergraduate-students/career-services/). Students in the major are welcome to make an individual appointment with Todd Courtenay (todd.courtenay@wisc.edu) to discuss a number of career-related topics such as career exploration, search strategies, graduate school, and review of application materials (resume, CV, letters, etc.).  

The federal Bureau of Labor Statistics updated its Career Outlook: Careers in Forestry (http://www.bls.gov/careeroutlook/2016/article/forestry-careers.htm) page in August 2016 and it gives a great overview of the types of jobs related to forestry. This website is an excellent way to learn more about careers in forestry, upcoming trends, and related careers.  

People  

FACULTY  
Bowe, Scott  
Burivalova, Zuzana  
Drake, David  
Hart, Sarah  
Karosov, William  
Kruger, Eric (chair)  
Lutz, R. Scott  
Ozdogan, Mutlu  
Pauli, Jonathan  
Peery, M. Zach  
Pidgeon, Anna  
Preston, Daniel  
Radeloff, Volker  
Ribic, Christine  
Rickenbach, Mark  
Rissman, Adena  
Stanosz, Glen  
Townsend, Philip  
Van Deelen, Timothy  
Zuckerberg, Benjamin  

AFFILIATED FACULTY  
Balster, Nick (Soil Science)  
Lindroth, Richard (Entomology)  
Marin-Spiotta, Erika (Geography)  

ADVISING AND CAREERS  

UNDERGRADUATE ADVISING IN FOREST SCIENCE  

All undergraduate students are assigned to an advisor when they declare the major. If you were not assigned an advisor, do not know who your advisor is, would like to talk to someone about switching advisors, or if your advisor is not available, please contact our student services coordinator, Todd Courtenay (todd.courtenay@wisc.edu). Undergraduates in forest science are required to meet with their advisor before they can enroll for the upcoming term. Please remember to bring a DARS report with you to any advising appointment. You can request a DARS through your student center in MyUW (http://my.wisc.edu/).
FACULTY ASSOCIATE
Berkelman, James

WISCONSIN EXPERIENCE

FORESTRY FIELD CAMP AT THE KEMP NATURAL RESOURCES STATION

F&W ECOL 658 Forest Resources Practicum is an intensive, three-week field course conducted in even-numbered years at the Kemp Natural Resources Station (http://www.kemp.wisc.edu/) in Woodruff, Wisconsin. Affectionately known as Forestry Camp, F&W ECOL 658 Forest Resources Practicum introduces students to the complexities of forest ecosystems. Through a series of integrated exercises, students learn firsthand about forest ecosystem structure, function, processes, and services. Along the way students develop the knowledge necessary to conduct a comprehensive forest resource assessment. Subject areas include: basic field skills, plant identification, GPS & GIS, timber cruising, forest soils, wildlife identification and survey methods, forest ecology, and forest habitat classification. Forestry Camp also provides students with opportunities to work closely with faculty and “real world” natural resource professionals in a beautiful north woods setting.

INTERNSHIPS

All forest science students are required to complete either an internship or professional work experience for their degree. Students are encouraged to talk to their advisor about internship possibilities and departmental internship policies. In order to receive credit for an internship for the forest science major, students must find an internship, get it approved by their advisor, and enroll in F&W ECOL 675 Professional Development in Forest & Wildlife Ecology in the following fall semester. Students who have questions about the internship can also talk to Todd Courtenay, the student services coordinator.

FORESTRY CLUB

Forest science undergraduates have an active student organization called the Forestry Club. For more information on the club and their activities, please see their Facebook Page (http://go.wisc.edu/pq634x/).

ACREDITATION

Accreditation

Society of American Foresters (https://www.eforester.org/)