NATURAL RESOURCE ECOLOGY & MANAGEMENT: FOREST ECOLOGY & MANAGEMENT, BSAG

Requirements for Students Matriculating in or before Academic Year 2017-2018. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 130

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
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</tbody>
</table>

Select one of the following:

- ENGL 1213 Composition II
- ENGL 1413 Critical Analysis and Writing II
- ENGL 3323 Technical Writing

American History & Government
Select one of the following:

- HIST 1103 Survey of American History
- HIST 1483 American History to 1865
- HIST 1493 American History Since 1865
- POLS 1113 American Government

Analytical & Quantitative Thought (A)

- MATH 1513 College Algebra (A) 1
- STAT 2013 Elementary Statistics (A) 1

Humanities (H)
Courses designated (H) 6

Natural Sciences (N)
Must include one Laboratory Science (L) course

- BIOL 1114 Introductory Biology (LN) 1
- Course designated (N) 3

Social & Behavioral Sciences (S)

- AGEC 1113 Introduction to Agricultural Economics (S) 1

Additional General Education
Courses designated (A), (H), (N), or (S) 6

Hours Subtotal 40

Diversity (D) & International Dimension (I)
May be completed in any part of the degree plan
Select at least one Diversity (D) course
Select at least one International Dimension (I) course

College/Departmental Requirements

Agricultural Sciences and Natural Resources

AG 1011 First Year Seminar 1

NREM 1012 Introduction to Natural Resource Ecology and Management 2
NREM 1113 Elements of Forestry 3
NREM 1213 Introduction to Wood Properties and Products 3
NREM 2103 Forest Measurements I 3
NREM 2112 Timber Harvesting 2
NREM 2134 Dendrology 4
SOIL 2124 Fundamentals of Soil Science (N) 4

Natural Sciences

- BOT 1404 Plant Biology (LN) 2 4
- CHEM 1215 General Chemistry (LN) 2
  or CHEM 1314 General Chemistry (LN) 4

Written and Oral Communications
Select one of the following:

- AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources 3
- BCOM 3113 Written Communication
- ENGL 3323 Technical Writing 3

Select one of the following:

- AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S) 4
- SPCH 2713 Introduction to Speech Communication (S) 4
- SPCH 3733 Elements of Persuasion (S) 4

Hours Subtotal 36

Major Requirements

Core Courses

Summer Camp Courses:

- NREM 3101 Forest Resource Field Studies 1
- NREM 3102 Forest Measurements II 2
- NREM 3103 Natural Resource Field Studies 3

Fall and Spring Courses:

- NREM 3012 Applied Ecology Laboratory 2
- NREM 3013 Applied Ecology and Conservation 3
- NREM 3063 Natural Resource Biometrics 3
- NREM 3083 Geospatial Technologies for Natural Resources 3
- NREM 3224 Silviculture 4
- NREM 3713 Wildland Fire Ecology and Management 3
- NREM 4001 Issues In Global Change 1
- NREM 4043 Natural Resource Administration and Policy 3
- NREM 4213 Forest Biology 3
- NREM 4234 Forest Management and Economics 4
- NREM 4443 Watershed Hydrology and Water Quality 3
- NREM 3503 Principles of Wildlife Ecology and Management 3

Select one of the following:

- NREM 3613 Principles of Rangeland Management
- NREM 4053 Natural Resource Recreation
- NREM 4063 Ecotourism and Wilderness Management
- NREM 4414 Fisheries Management
### Capstone Course
- NREM 4333: Forest Resource Management: Planning and Decision-Making 3

### Related Courses
Select 7 hours of the following or of other courses in consultation with a faculty advisor for additional breadth, or to create a specialty emphasis area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ACCT 2103</td>
<td>Financial Accounting</td>
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<tr>
<td>ACCT 2203</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>AGEC 3423</td>
<td>Farm and Agribusiness Management</td>
</tr>
<tr>
<td>BIOL 3513</td>
<td>Principles of Conservation Biology</td>
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<tr>
<td>ENTO 2993</td>
<td>Introduction to Entomology (LN)</td>
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<td>ENTO 3461</td>
<td>Insects in Forest Ecosystems</td>
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<tr>
<td>FIN 3113</td>
<td>Finance</td>
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<tr>
<td>GEOG 4343</td>
<td>Geographic Information Systems: Resource Management Applications</td>
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<tr>
<td>GEOL 1114</td>
<td>Physical Geology (LN)</td>
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<td>HORT 2613</td>
<td>Woody Plant Materials</td>
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<td>HORT 3013</td>
<td>Arboriculture</td>
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<td>LSB 3213</td>
<td>Legal and Regulatory Environment of Business</td>
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<tr>
<td>MGMT 3013</td>
<td>Fundamentals of Management (S)</td>
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<td>MKTG 3213</td>
<td>Marketing (S)</td>
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<td>NREM 3502</td>
<td>Wildlife Law Enforcement</td>
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<tr>
<td>NREM 3613</td>
<td>Principles of Rangeland Management</td>
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<tr>
<td>NREM 4023</td>
<td>Restoration Ecology</td>
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<tr>
<td>NREM 4033</td>
<td>Ecology Of Invasive Species</td>
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<tr>
<td>NREM 4053</td>
<td>Natural Resource Recreation</td>
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<td>NREM 4063</td>
<td>Ecotourism and Wilderness Management</td>
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<tr>
<td>NREM 4093</td>
<td>Natural Resources, People and Sustainable Development (I)</td>
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<tr>
<td>NREM 4403</td>
<td>Wetland Ecology and Management</td>
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<td>NREM 4414</td>
<td>Fisheries Management</td>
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<td>NREM 4452</td>
<td>Pond Management</td>
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<td>NREM 4453</td>
<td>Aquaculture</td>
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<td>NREM 4473</td>
<td>Global Issues of Water and Ecosystem Management</td>
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<td>NREM 4533</td>
<td>Wildlife Management for Game Species</td>
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<td>NREM 4543</td>
<td>Wildlife Management for Biodiversity</td>
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<td>NREM 4783</td>
<td>Prescribed Fire</td>
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<td>NREM 4793</td>
<td>Advanced Prescribed Fire</td>
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<tr>
<td>NREM 4960</td>
<td>Undergraduate Internship</td>
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<td>NREM 4980</td>
<td>Undergraduate Research</td>
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<tr>
<td>NREM 4990</td>
<td>Special Topics in Natural Resource Ecology and Management</td>
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<tr>
<td>PHYS 1114</td>
<td>General Physics (LN)</td>
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<tr>
<td>PLP 3343</td>
<td>Principles of Plant Pathology</td>
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### Hours Subtotal
- 54

### Electives
Select 0 hours or hours to complete required total for degree 0

### Total Hours
- 130

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1. College & Departmental requirements that may be used to meet GE requirements.

2. If ENGL 3323 Technical Writing is used to satisfy ENGL 1213 Composition II above; hours in this block are reduced by 3.

3. If used as (N) course above, then hours are reduced by course hours.

4. If used as (S) course above, then hours are reduced by three.

5. May not use a course used above in Core Courses.

### Other Requirements
- Students must earn minimum grades of “C” or “P” in each course listed in Major Requirements.
- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

### Additional State/OSU Requirements
- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2023.