# Natural Resource Ecology & Management: Forest Ecology & Management, BSAG

**Requirements for Students Matriculating in or before Academic Year 2023-2024.** Learn more about University Academic Regulation 3.1 ([http://catalog.okstate.edu/university-academic-regulations/#matriculation](http://catalog.okstate.edu/university-academic-regulations/#matriculation)).

**Minimum Overall Grade Point Average:** 2.00

**Total Hours:** 125

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
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<td>ENGL 3323</td>
<td>Technical Writing</td>
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<tr>
<td>HIST 1103</td>
<td>Survey of American History</td>
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<td>HIST 1483</td>
<td>American History to 1865 (H)</td>
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<td>HIST 1493</td>
<td>American History Since 1865 (DH)</td>
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<td>POLS 1113</td>
<td>American Government</td>
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<td>MATH 1513</td>
<td>College Algebra (A)</td>
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<td>STAT 2013</td>
<td>Elementary Statistics (A)</td>
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<tr>
<td>AGCM 3103</td>
<td>Written Communications in Agricultural Sciences and Natural Resources</td>
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<td>BCOM 3113</td>
<td>Written Communication</td>
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<td>ENGL 3323</td>
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<td>AGCM 3203</td>
<td>Oral Communications in Agricultural Sciences &amp; Natural Resources (S)</td>
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<td>SPCH 2713</td>
<td>Introduction to Speech Communication (S)</td>
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<td>SPCH 3733</td>
<td>Elements of Persuasion (S)</td>
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<td>AG 1011</td>
<td>First Year Seminar</td>
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<td>BIOL 1604</td>
<td>Animal Biology</td>
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<tr>
<td>NREM 2134</td>
<td>Dendrology</td>
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<td>NREM 1012</td>
<td>Introduction to Natural Resource Ecology and Management</td>
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<td>NREM 2083</td>
<td>Geospatial Technologies for Natural Resources</td>
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<td>NREM 3012</td>
<td>Applied Ecology Laboratory</td>
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<td>NREM 3503</td>
<td>Principles of Wildlife Ecology and Management</td>
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<td>NREM 4001</td>
<td>Issues in Global Change</td>
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<td>NREM 4043</td>
<td>Natural Resource Administration and Policy</td>
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<tr>
<td>PBIO 1404</td>
<td>Plant Biology (LN)</td>
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**Hours Subtotal:** 40

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<tr>
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<tr>
<td>Elements of Forestry</td>
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<td>Wood Properties, Products, &amp; Harvesting</td>
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<td>Field Applications of Geospatial Technologies for Natural Resources</td>
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<td>Forest Resource Field Studies</td>
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<td>Natural Resource Field Studies</td>
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<td>Forest Measurements I</td>
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<td>Forest Measurements II</td>
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<td>Forest Biology</td>
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<td>Forest Health and Disturbance Ecology</td>
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<tr>
<td>Silviculture</td>
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<tr>
<td>Forest Management and Economics</td>
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<td>Forest Resource Management: Planning and Decision-Making</td>
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<tr>
<td>Watershed Hydrology and Water Quality</td>
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<td>Principles of Rangeland Management</td>
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<td>Course Code</td>
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<tr>
<td>NREM 4053</td>
<td>Natural Resource Recreation</td>
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<tr>
<td>NREM 4414</td>
<td>Fisheries Management</td>
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**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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<tbody>
<tr>
<td>ACCT 2003</td>
<td>Survey of Accounting</td>
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<tr>
<td>AGEC 3423</td>
<td>Farm and Agribusiness Management</td>
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<tr>
<td>BIOL 3513</td>
<td>Principles of Conservation Biology</td>
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<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>GEOG 4203</td>
<td>Fundamentals of Geographic Information Systems</td>
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<td>GEOG 4263</td>
<td>Geospatial Applications for Unmanned Aerial Systems</td>
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<td>GEOG 4333</td>
<td>Remote Sensing</td>
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<td>GEOG 4343</td>
<td>Geographic Information Systems: Resource Management Applications</td>
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<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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<td>MGMT 3013</td>
<td>Fundamentals of Management (S)</td>
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<td>MKTG 3213</td>
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<td>NREM 3063</td>
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<td>NREM 3502</td>
<td>Wildlife Law Enforcement</td>
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<td>Principles of Rangeland Management</td>
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<td>NREM 4023</td>
<td>Restoration Ecology</td>
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<td>NREM 4033</td>
<td>Ecology Of Invasive Species</td>
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<td>NREM 4053</td>
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<td>NREM 4093</td>
<td>Natural Resources, People and Sustainable Development (I)</td>
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<td>NREM 4403</td>
<td>Wetland Ecology and Management</td>
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<td>NREM 4414</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>Wildlife Management for Game Species</td>
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<td>Wildlife Management for Biodiversity</td>
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<td>NREM 4783</td>
<td>Prescribed Fire</td>
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<td>Advanced Prescribed Fire</td>
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<td>NREM 4960</td>
<td>Undergraduate Internship</td>
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<td>NREM 4980</td>
<td>Undergraduate Research</td>
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<td>NREM 4990</td>
<td>Special Topics in Natural Resource Ecology and Management</td>
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<td>PHYS 1114</td>
<td>College Physics I (LN)</td>
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<td>PLP 3343</td>
<td>Principles of Plant Pathology</td>
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<tr>
<td>SOIL 4463</td>
<td>Soil and Water Conservation</td>
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**Hours Subtotal** 45

**Electives**

Select 0 hours or hours to complete required total for degree

**Total Hours** 125

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1. College & Departmental requirements that may be used to meet General Education requirements.
2. If used as (N) course above, then hours are reduced by course hours.
3. If ENGL 3323 Technical Writing is used to satisfy ENGL 1213 Composition II above; hours in this block are reduced by 3.
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**

- 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 2029.