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

Requirements for Students Matriculating in or before Academic Year 2022-2023. 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: 125

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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American History & Government
Select one of the following:
- HIST 1103 | Survey of American History | 3     |
- HIST 1483 | American History to 1865 (H) | 3     |
- HIST 1493 | American History Since 1865 (DH) | 3     |
- POLS 1113 | American Government       | 3     |

Analytical & Quantitative Thought (A)
- MATH 1513 | College Algebra (A) | 3     |
- STAT 2013 | Elementary Statistics (A) | 3     |

Humanities (H)
Courses designated (H) | 6     |

Natural Sciences (N)
Must include one Laboratory Science (L) course
Select four hours from the following:
- BIOL 1113 & BIOL 1111 | Introductory Biology (N) and Introductory Biology Laboratory (LN) | 4     |
- BIOL 1114 | Introductory Biology (LN) | 1     |

Course designated (N) | 3     |

Social & Behavioral Sciences (S)
- AGE 1113 | Introduction to Agricultural Economics (S) | 3     |

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 Requirements

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 1215</td>
<td>Chemical Principles I (LN)</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1314</td>
<td>Chemistry I (LN)</td>
<td>2</td>
</tr>
<tr>
<td>AGCM 3103</td>
<td>Written Communications in Agricultural Sciences and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 3113</td>
<td>Written Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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<tr>
<td>AGCM 3203</td>
<td>Oral Communications in Agricultural Sciences &amp; Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 2713</td>
<td>Introduction to Speech Communication (S)</td>
<td>4</td>
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<tr>
<td>SPCH 3733</td>
<td>Elements of Persuasion (S)</td>
<td>4</td>
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<tr>
<td>AG 1011</td>
<td>First Year Seminar</td>
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</tr>
<tr>
<td>SOIL 2124</td>
<td>Fundamentals of Soil Science (N)</td>
<td>3</td>
</tr>
<tr>
<td>ENTO 4484</td>
<td>Aquatic Entomology</td>
<td>3</td>
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<tr>
<td>NREM 3013</td>
<td>Applied Ecology and Conservation</td>
<td>3</td>
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Departmental Requirements
Select one of the following:
- NREM 1012 | Introduction to Natural Resource Ecology and Management | 2     |
- NREM 2083 | Geospatial Technologies for Natural Resources            | 3     |
- NREM 3012 | Applied Ecology Laboratory                               | 2     |
- NREM 3503 | Principles of Wildlife Ecology and Management            | 3     |
- NREM 4001 | Issues In Global Change                                  | 1     |
- NREM 4043 | Natural Resource Administration and Policy               | 3     |
| PBIO 1404  | Plant Biology (LN)                                       | 2     |

Hours Subtotal | 40    |

Major Requirements

Core Courses
Select one of the following:
- ANSI 3423 | Animal Genetics | 3     |
- BIOL 3023 | General Genetics | 3     |
- PBIO 4005 | Field Botany | 5     |
| CHEM 1225  | Chemical Principles II (LN)                              | 5     |
| or CHEM 1515 | Chemistry II (LN)                     | 5     |
| NREM 3523  | Fish and Wildlife Population Biology                    | 3     |
| NREM 4522  | Wildlife Management Applications and Planning            | 2     |
| NREM 4523  | Wildlife Management Techniques                         | 3     |
| NREM 4533  | Wildlife Management for Game Species                    | 3     |
| NREM 4543  | Wildlife Management for Biodiversity                    | 3     |

Hours Subtotal | 40    |

Select one of the following:
- NREM 4403 | Wetland Ecology and Management                          | 3     |
- NREM 4414 | Fisheries Management                                    | 3     |
BIOL 4413  Biology of Fishes

Select two of the following: 8

BIOL 4174  Mammalogy
BIOL 4184  Herpetology
NREM 4464  Ornithology

Related Courses
Select courses from among the following, or other courses in consultation with a faculty advisor for additional breadth, or to create a specialty emphasis area 5

Select one of the following: 2

AGEC 3503  Natural Resource Economics
ENVR 4512  Introduction to National Environmental Policy Act
GEOG 3153  Conservation of Natural Resources (S)
HIST 4523  American Environmental History (H)
NREM 3502  Wildlife Law Enforcement
NREM 4053  Natural Resource Recreation
POLS 4363  Environmental Law And Policy
POLS 4593  Natural Resources and Environmental Policy
SOC 4433  Environmental Sociology (S)

Select 5 hours of the following: 5

ANSI 3543  Principles of Animal Nutrition
ANSI 3653  Applied Animal Nutrition
BIOL 3153  Animal Behavior
BIOL 3513  Principles of Conservation Biology
BIOL 4113  Conservation Genetics
BIOL 4133  Evolution
BIOL 4413  Biology of Fishes
ENTO 2993  Introduction to Entomology (LN)
GEOG 4203  Fundamentals of Geographic Information Systems
GEOG 4343  Geographic Information Systems: Resource Management Applications
NREM 2134  Dendrology
NREM 3091  Field Applications of Geospatial Technologies for Natural Resources
NREM 3101  Forest Resource Field Studies
NREM 3111  Natural Resource Field Studies
NREM 3143  Forest Biology
NREM 3153  Forest Health and Disturbance Ecology
NREM 3224  Silviculture
NREM 3502  Wildlife Law Enforcement
NREM 3613  Principles of Rangeland Management
NREM 4023  Restoration Ecology
NREM 4033  Ecology Of Invasive Species
NREM 4053  Natural Resource Recreation
NREM 4093  Natural Resources, People and Sustainable Development (I)
NREM 4403  Wetland Ecology and Management
NREM 4414  Fisheries Management
NREM 4424  Fisheries Techniques
NREM 4443  Watershed Hydrology and Water Quality
NREM 4452  Pond Management
NREM 4453  Aquaculture
NREM 4613  Rangeland Resources Planning
NREM 4783  Prescribed Fire
NREM 4793  Advanced Prescribed Fire
NREM 4960  Undergraduate Internship
NREM 4980  Undergraduate Research
NREM 4990  Special Topics in Natural Resource Ecology and Management

Hours Subtotal 45
Electives 0 hours or hours to complete required total for degree

Total Hours 125

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
- 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 2028.