**NATURAL RESOURCE ECOLOGY & MANAGEMENT: WILDLIFE BIOLOGY & PREVETERINARY SCIENCE, 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).

Minimum Overall Grade Point Average: 2.00
Total Hours: 130

<table>
<thead>
<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>
</tr>
<tr>
<td>ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<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)**

Select one of the following:
- MATH 2103 | Business Calculus (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)                | 4     |

Course designated (N)                                      3

**Social & Behavioral Sciences (S)**

Select one of the following:
- AGEC 1113 | Introduction to Agricultural Economics (S) | 3     |

**Additional General Education**

Courses designated (A), (H), (N), or (S)                                      6

**Diversity (D) & International Dimension (I)**

May be completed in any part of the degree plan

Select at least one Diversity (D) course

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<tr>
<th>Code</th>
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<tbody>
<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>
</tr>
<tr>
<td>SPCH 3733</td>
<td>Elements of Persuasion (S)</td>
<td>4</td>
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**College Requirements**

Select at least one International Dimension (I) course

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<tbody>
<tr>
<td>CHEM 1215</td>
<td>Chemical Principles I (LN)</td>
<td>3</td>
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**Departmental Requirements**

Select one of the following:
- BIOL 1604 | Animal Biology                             | 4     |
- NREM 2134 | Dendrology                                 | 4     |
- NREM 1012 | Introduction to Natural Resource Ecology and Management | 4     |
- NREM 2083 | Geospatial Technologies for Natural Resources | 4     |
- NREM 3012 | Applied Ecology Laboratory                | 4     |
- NREM 3503 | Principles of Wildlife Ecology and Management | 4     |
- NREM 4001 | Issues In Global Change                    | 4     |
- NREM 4043 | Natural Resource Administration and Policy | 4     |
- PBIO 1404 | Plant Biology (LN)                        | 4     |

**Hours Subtotal** 40

**Major Requirements**

**Core Courses**

Select one of the following:
- ANSI 3543 | Principles of Animal Nutrition             | 3     |

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<tr>
<td>CHEM 1314</td>
<td>Chemistry I (LN)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1215</td>
<td>Chemical Principles I (LN)</td>
<td>3</td>
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**Additional Core Courses**

Select one of the following:
- CHEM 3053 & CHEM 3153 | Organic Chemistry I and Organic Chemistry II | 5     |

Select one of the following:
- CHEM 3053 & CHEM 3153 | Organic Chemistry I and Organic Chemistry II | 5     |
- CHEM 3053 | Organic Chemistry I                        | 5     |
- CHEM 3153 | Organic Chemistry II                       | 5     |
NREM 4523 Wildlife Management Techniques 3
BIOL 3204 Physiology 4
MICR 2123 Introduction to Microbiology 3
MICR 2132 Introduction to Microbiology Laboratory 2
PHYS 1114 College Physics I (LN) ² 4
PHYS 1214 College Physics II (LN) ² 4

Related Courses
Select courses from among the options, or other courses in consultation with a faculty advisor for additional breadth, or to create a specialty emphasis area 5
Select an option (p. 2)

Hours Subtotal 50

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

Total Hours 130

College & Departmental requirements that may be used to meet General Education requirements.

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

If ENGL 3223 Technical Writing is used to satisfy ENGL 1213 Composition II above; hours in this block are reduced by 3.

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

May not use a course used above in Core Courses.

Options
Option 1

Code Title Hours

Select two of the following: 7

NREM 4464 Ornithology
BIOL 4184 Herpetology
BIOL 4413 Biology of Fishes
BIOL 4174 Mammalogy

Select 4 hours of the following: 4

AG 3010 Internships in Agriculture
ANSI 1021 Introduction to the Animal Sciences Lab & ANSI 1023 or ANSI 1124 Introduction to the Animal Sciences
ANSI 3444 Animal Reproduction
ANSI 3653 Applied Animal Nutrition
ANSI 3753 Basic Nutrition for Pets
BIOC 3713 Biochemistry I ³
BIOC 3723 Biochemistry and Molecular Biology Laboratory
BIOC 3813 Biochemistry II
BIOL 3114 Vertebrate Zoology
BIOL 3153 Animal Behavior
BIOL 3163 Environmental Biology
BIOL 3513 Principles of Conservation Biology
Option 2
Complete the first year of professional program.

With the approval of the advisor, department head, and dean, a maximum of 11 hours from an accredited dental, medical, optometry, osteopathic, pharmacy, podiatry, or veterinary medical school may be used to complete hours.

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.