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

Requirements for Students Matriculating in or before Academic Year 2019-2020. 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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<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>Select one of the following:</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</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)                      |       |
HIST 1493 | American History Since 1865 (DH)                 |       |
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
BIOL 1114 | Introductory Biology (LN)                        | 4     |
Course designated (N)                                            | 3     |

Social & Behavioral Sciences (S)
AGEC 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/Departmental Requirements
Agricultural Sciences and Natural Resources
AG 1011 | First Year Seminar                                | 1     |

NREM 1012 | Introduction to Natural Resource Ecology and Management | 2     |
SOIL 2124 | Fundamentals of Soil Science (N)                   | 4     |

Natural Sciences
BIOL 1604 | Animal Biology                                    | 4     |
CHEM 1215 | Chemical Principles I (LN)                        | 4     |
or CHEM 1314 | Chemistry I (LN)                                   |       |
CHEM 1225 | Chemical Principles II (LN)                       | 5     |
or CHEM 1515 | Chemistry II (LN)                                  |       |
GEOL 1114 | Physical Geology (LN)                             | 4     |
or PHYS 1014 | Descriptive Physics (N)                             |       |
PBIO 1404 | Plant Biology (LN)                                | 4     |

Written and Oral Communications
Select one of the following:                                     | 3     |
AGCM 3103 | Written Communications in Agricultural Sciences and Natural Resources |       |
BCOM 3113 | Written Communication                             |       |
ENGL 3323 | Technical Writing                                 |       |
Select one of the following:                                     | 3     |
AGCM 3203 | Oral Communications in Agricultural Sciences & Natural Resources (S) |       |
SPCH 2713 | Introduction to Speech Communication (S)           |       |
SPCH 3733 | Elements of Persuasion (S)                        |       |

Hours Subtotal: 34

Major Requirements
Core Courses
Select one of the following:                                     | 3     |
ANSI 3423 | Animal Genetics                                   |       |
BIOL 3023 | General Genetics                                  |       |
PLNT 3554 | Plant Genetics and Biotechnology                  |       |
BIOL 4174 | Mammalogy                                         | 4     |
NREM 3012 | Applied Ecology Laboratory                        | 2     |
NREM 3013 | Applied Ecology and Conservation                  | 3     |
NREM 3503 | Principles of Wildlife Ecology and Management     | 3     |
NREM 3523 | Fish and Wildlife Population Biology              | 3     |
NREM 4001 | Issues In Global Change                           | 1     |
NREM 4464 | Ornithology                                       | 4     |
NREM 4524 | Wildlife Management Techniques                    | 4     |
NREM 4533 | Wildlife Management for Game Species              | 3     |
NREM 4543 | Wildlife Management for Biodiversity              | 3     |
Select one of the following:                                     | 3     |
NREM 4403 | Wetland Ecology and Management                    |       |
NREM 4414 | Fisheries Management                              |       |
BIOL 4413 | Biology of fishes                                  |       |
PBIO 4005 | Field Botany                                      | 5     |

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 6 hours of the following:                                 | 6     |
AGEC 3503 | Natural Resource Economics                        |       |

Approved by 30 June 2019
ENVR 4512  Environmental Impact Analysis
ENVR 4813  Environmental Science Applications and Problem Solving
GEOG 3153  Conservation of Natural Resources (S)
HIST 4523  American Environmental History (H)
NREM 4043  Natural Resource Administration and Policy
NREM 4053  Natural Resource Recreation
POLS 4363  Environmental Law And Policy
POLS 4593  Natural Resources and Environmental Policy
SOC 4433  Environmental Sociology (S)

Select 4 hours of the following: 4
ANSI 3543  Principles of Animal Nutrition
BIOL 3153  Animal Behavior
BIOL 3513  Principles of Conservation Biology
BIOL 4113  Conservation Genetics
BIOL 4133  Evolution
BIOL 4363  Principles of Toxicology
BIOL 4413  Biology of Fishes
ENTO 2993  Introduction to Entomology (LN)
GEOG 4343  Geographic Information Systems: Resource Management Applications
NREM 2134  Dendrology
NREM 2083  Geospatial Technologies for Natural Resources
NREM 3101  Forest Resource Field Studies
NREM 3111  Natural Resource Field Studies
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 4043  Natural Resource Administration and Policy
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

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

Total Hours 125

1 College & Departmental requirements that may be used to meet GE 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 2025.