

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

Requirements for Students Matriculating in or before Academic Year 2024-2025. 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

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition/)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A) ¹	3
STAT 2013	Elementary Statistics (A) ¹	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Select four hours from the following:		4
BIOL 1113	Introductory Biology (N)	
& BIOL 1111	and Introductory Biology Laboratory (LN) ¹	
BIOL 1114	Introductory Biology (LN) ¹	
Course designated (N)		3
<i>Social & Behavioral Sciences (S)</i>		
AGEC 1113	Introduction to Agricultural Economics (S) ¹	3
<i>Additional General Education</i>		
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		
CHEM 1215	Chemical Principles I (LN) ²	4
or CHEM 1314	Chemistry I (LN)	
Select one of the following:		3
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources	
BCOM 3113	Written Communication	
ENGL 3323	Technical Writing ³	
Select one of the following:		3
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	
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
Select one of the following:		4
SOIL 2124	Fundamentals of Soil Science (N)	
ENTO 4484	Aquatic Entomology	
NREM 3013	Applied Ecology and Conservation	3
Departmental Requirements		
Select one of the following:		4
BIOL 1604	Animal Biology	
NREM 2134	Dendrology	
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	4
Hours Subtotal		40
Major Requirements		
<i>Core Courses</i>		
Select one of the following:		3
ANSI 3423	Animal Genetics	
BIOL 3023	General Genetics	
CHEM 1225	Chemical Principles II (LN) ²	5
or CHEM 1515	Chemistry II (LN)	
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
PBIO 4005	Field Botany	5
Select one of the following:		3
NREM 4403	Wetland Ecology and Management	
NREM 4414	Fisheries Management	

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 area⁵

Select one of the following: 2

AGEC 3503 Natural Resource Economics

AGEC 3723 Environmental Law for Agriculture and Natural Resources

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 4263 Geospatial Applications for Unmanned Aerial Systems

GEOG 4333 Remote Sensing

GEOG 4343 Geographic Information Systems: Resource Management Applications

NREM 2134 Dendrology

NREM 3063 Natural Resource Biometrics

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

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 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 2030.