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

Requirements for Students Matriculating in or before Academic Year 2021-2022. 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		
English Composition		
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	
American History & Government		
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
Analytical & Quantitative Thought (A)		
MATH 1513	College Algebra (A) [1]	3
STAT 2013	Elementary Statistics (A) [1]	3
Humanities (H)		
Courses designated (H)		6
Natural Sciences (N)		
Must include one Laboratory Science (L) course		
BIOL 1114	Introductory Biology (LN) [1]	4
Course designated (N)		3
Social & Behavioral Sciences (S)		
AGEC 1113	Introduction to Agricultural Economics (S) [1]	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		
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]	
AG 1011	First Year Seminar	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)	4
Hours Subtotal		**40**
Major Requirements		
Core Courses		
NREM 1113	Elements of Forestry	3
NREM 1213	Introduction to Wood Properties and Products	3
NREM 2112	Timber Harvesting	2
NREM 3091	Field Applications of Geospatial Technologies for Natural Resources	1
NREM 3101	Forest Resource Field Studies	1
NREM 3111	Natural Resource Field Studies	1
NREM 3123	Forest Measurements I	3
NREM 3133	Forest Measurements II	3
NREM 3143	Forest Biology	3
NREM 3153	Forest Health and Disturbance Ecology	3
NREM 3224	Silviculture	4
NREM 4234	Forest Management and Economics	4
NREM 4333	Forest Resource Management: Planning and Decision-Making	3
NREM 4443	Watershed Hydrology and Water Quality	3
Select one of the following:		3
NREM 3613	Principles of Rangeland Management	
NREM 4053	Natural Resource Recreation	

NREM 4414	Fisheries Management	
Related Courses		
Select 5 hours of the following or of other courses in consultation with a faculty advisor for additional breadth, or to create a specialty emphasis area: [5]		5
ACCT 2103	Financial Accounting	
ACCT 2203	Managerial Accounting	
AGEC 3423	Farm and Agribusiness Management	
BIOL 3513	Principles of Conservation Biology	
ENTO 2993	Introduction to Entomology (LN)	
ENTO 3461	Insects in Forest Ecosystems	
GEOG 4203	Fundamentals of Geographic Information Systems	
GEOG 4343	Geographic Information Systems: Resource Management Applications	
GEOL 1114	Physical Geology (LN)	
HORT 2613	Woody Plant Materials	
HORT 3013	Arboriculture	
LSB 3213	Legal and Regulatory Environment of Business	
MGMT 3013	Fundamentals of Management (S)	
MKTG 3213	Marketing (S)	
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 4452	Pond Management	
NREM 4453	Aquaculture	
NREM 4533	Wildlife Management for Game Species	
NREM 4543	Wildlife Management for Biodiversity	
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	
PHYS 1114	College Physics I (LN)	
PLP 3343	Principles of Plant Pathology	
SOIL 4463	Soil and Water Conservation	
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

- 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 2027.