

ENVIRONMENTAL SCIENCE: NATURAL RESOURCES, BSAG

Requirements for Students Matriculating in or before Academic Year 2018-2019. 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: 124

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 or ENGL 1313	Composition I Critical Analysis and Writing I	3
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	
HIST 1493	American History Since 1865	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
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		
BIOL 1114	Introductory Biology (LN) ¹	4
Course designated (N)		3
<i>Social & Behavioral Sciences (S)</i>		
AGEC 1113	Introduction to Agricultural Economics (S) ¹	3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S) ¹	3
or SPCH 2713	Introduction to Speech Communication (S)	
<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/Departmental Requirements		
<i>Agricultural Sciences and Natural Resources</i>		
AG 1011	First Year Seminar	1
ENVR 1113	Elements of Environmental Science	3
SOIL 2124	Fundamentals of Soil Science (N)	4

Select one of the following:		3
CHEM 3013	Survey of Organic Chemistry	
BIOC 2344	Chemistry and Applications of Biomolecules	
CHEM 3015	Survey of Organic Chemistry	
<i>Additional Requirements</i>		
If CHEM 1414 is taken, then must have both CHEM 3015 and BIOC 2344		
PBIO 1404 or BIOL 1604	Plant Biology (LN) Animal Biology	4
CHEM 1314 or CHEM 1215	Chemistry I (LN) Chemical Principles I (LN)	4
CHEM 1515 or CHEM 1225	Chemistry II (LN) Chemical Principles II (LN)	5
PHYS 1114	College Physics I (LN)	4
Select one of the following:		4
PHYS 1214	College Physics II (LN)	
MATH 2144	Calculus I (A)	
GEOL 1114	Physical Geology (LN)	
Select one of the following:		5
MATH 1715	Precalculus (A)	
MATH 1513 & MATH 1613	College Algebra (A) and Trigonometry (A)	
<i>Written and Oral Communications</i>		
Select one of the following:		3
BCOM 3113	Written Communication	
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources	
ENGL 3323	Technical Writing ²	
Hours Subtotal		40
Major Requirements		
<i>Core Courses</i>		
AGEC 3503	Natural Resource Economics	3
BIOL 3034	General Ecology	4
ENVR 3113	Sampling and Analyses for Solving Environmental Problems	3
ENVR 4811	Professional and Capstone Planning	1
ENVR 4813	Environmental Science Applications and Problem Solving	3
Select one of the following:		3
NREM 4043	Natural Resource Administration and Policy	
ENVR 4512	Environmental Impact Analysis	
POLS 4363	Environmental Law And Policy	
NREM 4443	Watershed Hydrology and Water Quality	3
ENVR 4893 or BIOL 4303	Soil Chemistry and Environmental Quality Organismal Ecotoxicology	3
<i>Additional Core Courses</i>		
Select one of the following:		3
ENVR 4363	Environmental Soil Science	
ENVR 4913	Animal Waste Management	
SOIL 4683	Soil, Water, and Weather	
Select one of the following:		3

NREM 3613	Principles of Rangeland Management	
NREM 4023	Restoration Ecology	
NREM 4033	Ecology Of Invasive Species	
<i>Related Courses</i>		
Select 15 hours of the following:		15
AGEC 3713	Agricultural Law	
AGEC 4503	Environmental Economics and Resource Development	
ANTH 3353	Cultural Anthropology (IS)	
BCOM 3223	Oral Communication	
CIVE 3853	Environmental Engineering Laboratory	
ECON 2103	Introduction to Microeconomics (S)	
ECON 3903	Economics of the Environment	
ENTO 2003	Insects and Society (N)	
ENTO 2223	Insects in Global Public Health (N)	
ENTO 2993	Introduction to Entomology (LN)	
ENTO 4223	Ecological Methodology	
ENTO 4484	Aquatic Entomology	
ENVR 4363	Environmental Soil Science	
ENVR 4893	Soil Chemistry and Environmental Quality	
ENVR 4913	Animal Waste Management	
GEOG 2344	Digital Tools for Environmental Exploration (LN)	
GEOG 4203	Fundamentals of Geographic Information Systems	
GEOL 3503	Environmental Geology	
GEOL 4453	Hydrogeology	
HORT 2123	Environmental Issues in Horticultural Science	
LA 4423	Sustainable Planning and Design	
LA 4433	Land Use and City Planning	
MICR 2123	Introduction to Microbiology	
MICR 2132	Introduction to Microbiology Laboratory	
MICR 3103	Microbes: Friends or Foes (N)	
NREM 3083	Geospatial Technologies for Natural Resources	
NREM 4403	Wetland Ecology and Management	
PBIO 3253	Environment and Society (N)	
PBIO 3263	Plants and People (N)	
PBIO 4005	Field Botany	
PBIO 4023		
PHYS 1214 or PHYS 2114	College Physics II (LN) University Physics II (LN)	
POLS 3493	Public Policy	
SOC 1113	Introductory Sociology (S)	
SOC 4433	Environmental Sociology (S)	
SOIL 3433	Soil Genesis, Morphology, and Classification	
SOIL 4234	Soil Nutrient Management	
SOIL 4463	Soil and Water Conservation	
SOIL 4483	Soil Microbiology	
SOIL 4683	Soil, Water, and Weather	
BIOL 4434	Limnology	

Hours Subtotal	44
Electives	
Select 0 hours or hours to complete required total for degree	0
Total Hours	124

- College & Departmental requirements that may be used to meet GE requirements.
- If ENGL 3323 Technical Writing is used to satisfy ENGL 1213 Composition II above then hours in this block are 0.

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 2024.