ENVIRONMENTAL SCIENCE: WATER RESOURCES, 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: 124

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)		
STAT 2013	Elementary Statistics (A) [1]	3
Humanities (H)		
Courses designated (H)		6
Natural Sciences (N)		
Must include one Laboratory Science (L) course		
Select four hours from the following:		4
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN) [1]	
BIOL 1114	Introductory Biology (LN) [1]	
Course designated (N)		3
Social & Behavioral Sciences (S)		
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)	
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		
UNIV 1111	First Year Seminar (or other approved first year seminar course) [3]	1
ENVR 1113	Elements of Environmental Science (N) [3]	3
SOIL 2124	Fundamentals of Soil Science (N) [3]	4
Select one of the following:		3
BCOM 3113	Written Communication [3]	
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources [3]	
ENGL 3323	Technical Writing [2, 3]	
MATH 1813	Preparation for Calculus (A) [1, 3]	3
CHEM 1314	Chemistry I (LN) [1,3]	4
or CHEM 1215	Chemical Principles I (LN)	
CHEM 1515	Chemistry II (LN) [1,3]	5
or CHEM 1225	Chemical Principles II (LN)	
Hours Subtotal		**23**
Major Requirements		
AGEC 3503	Natural Resource Economics [3]	3
ENVR 3101	Career Development in Environmental Sciences	1
Select one of the following:		3
GEOG 2344	Digital Tools for Environmental Problem-Solving (LN) [3]	
NREM 2083	Geospatial Technologies for Natural Resources [3]	
GEOG 4203	Fundamentals of Geographic Information Systems [3]	
ENVR 3113	Environmental Sampling and Analysis [3]	3
ENVR 4010	Internships in Environmental Science [3]	1
ENVR 4811	Capstone Project Planning [3]	1
ENVR 4113	Advanced Environmental Sampling and Analysis	3
ENVR 4813	Environmental Science Capstone [3]	3
Select one of the following:		3
AGEC 3723	Environmental Law for Agriculture and Natural Resources [3]	
NREM 4043	Natural Resource Administration and Policy [3]	
POLS 4363	Environmental Law And Policy [3]	
SOC 4433	Environmental Sociology (S) [3]	
CHEM 3013	Survey of Organic Chemistry [3]	3
or BIOC 2344	Chemistry and Applications of Biomolecules	
BIOL 3034	General Ecology [3]	4
PBIO 1404	Plant Biology (LN)	4
or BIOL 1604	Animal Biology	
GEOL 1114	Physical Geology (LN)	4
PHYS 1114	College Physics I (LN)	4
PHYS 1214	College Physics II (LN)	4
MATH 2144	Calculus I (A)	4
NREM 4443	Watershed Hydrology and Water Quality	3
Select one of the following:		3
BIOL 4434	Limnology	
GEOL 4453	Hydrogeology	
Select one of the following:		3

ENVR 4893	Environmental Soil Chemistry	
SOIL 4683	Soil, Water, and Weather	
ENVR 4363	Environmental Soil Science [3]	
Related Courses		
Select 4 hours of the following:		4
BIOL 3053	Freshwater: Concepts, Threats and Management (N)	
BIOL 4363	Principles of Toxicology	
ENTO 4484	Aquatic Entomology	
ENVR 4033	Ecology of Invasive Species	
ENVR 4500	Environmental Science Problems	
ENVR 4512	Introduction to National Environmental Policy Act	
GEOG 4073	Climate Change: Past, Present, and Future	
GEOL 4403	Environmental Geochemistry	
MICR 2123	Introduction to Microbiology	
MICR 2132	Introduction to Microbiology Laboratory	
NREM 4023	Restoration Ecology	
NREM 4403	Wetland Ecology and Management	
SOIL 3433	Soil Genesis, Morphology, and Classification	
SOIL 4463	Soil and Water Conservation	
SOIL 4483	Soil Microbiology	
Hours Subtotal		**61**
Electives		
Select 0 hours or hours to complete required total for degree		0
Total Hours		**124**

1

College & Departmental or Major requirements that may be used to meet GE requirements.

2

If ENGL 3323 Technical Writing is used to satisfy ENGL 1213 Composition II above then hours in this block are 0.

3

Hours meeting the Major common core.

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.