

# ENVIRONMENTAL SCIENCE: WATER RESOURCES, BSAG

**Requirements for Students Matriculating in or before Academic Year 2022-2023.** 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
<b>General Education Requirements</b>		
<i>English Composition</i>		
See Academic Regulation 3.5 ( <a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition/">http://catalog.okstate.edu/university-academic-regulations/#english-composition/</a> )		
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 &amp; 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 &amp; Quantitative Thought (A)</i>		
STAT 2013	Elementary Statistics (A) <sup>1</sup>	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 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN) <sup>1</sup>	
BIOL 1114	Introductory Biology (LN) <sup>1</sup>	
Course designated (N)		3
<i>Social &amp; Behavioral Sciences (S)</i>		
AGEC 1113	Introduction to Agricultural Economics (S) <sup>1</sup>	3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S) <sup>1</sup>	3
or SPCH 2713	Introduction to Speech Communication (S)	
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		6
<b>Hours Subtotal</b>		<b>40</b>
<b>Diversity (D) &amp; International Dimension (I)</b>		
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		
<b>College/Departmental Requirements</b>		
<i>Agricultural Sciences and Natural Resources</i>		

AG 1011	First Year Seminar <sup>3</sup>	1
ENVR 1113	Elements of Environmental Science (N) <sup>3</sup>	3
SOIL 2124	Fundamentals of Soil Science (N) <sup>3</sup>	4
Select one of the following:		3
BCOM 3113	Written Communication <sup>3</sup>	
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources <sup>3</sup>	
ENGL 3323	Technical Writing <sup>2,3</sup>	
MATH 1513 or MATH 1813	College Algebra (A) <sup>1,3</sup> Preparation for Calculus (A)	3
CHEM 1314 or CHEM 1215	Chemistry I (LN) <sup>1,3</sup> Chemical Principles I (LN)	4
CHEM 1515 or CHEM 1225	Chemistry II (LN) <sup>1,3</sup> Chemical Principles II (LN)	5
<b>Hours Subtotal</b>		<b>23</b>
<b>Major Requirements</b>		
AGEC 3503	Natural Resource Economics <sup>3</sup>	3
ENVR 3113	Sampling and Analyses for Solving Environmental Problems <sup>3</sup>	3
Select one of the following:		3
GEOG 2344	Digital Tools for Environmental Problem- Solving (LN) <sup>3</sup>	
NREM 2083	Geospatial Technologies for Natural Resources <sup>3</sup>	
GEOG 4203	Fundamentals of Geographic Information Systems <sup>3</sup>	
ENVR 4010	Internships in Environmental Science <sup>3</sup>	1
ENVR 4811	Professional and Capstone Planning <sup>3</sup>	1
ENVR 4813	Environmental Science Capstone <sup>3</sup>	3
ENVR 4363	Environmental Soil Science <sup>3</sup>	3
Select one of the following:		3
AGEC 3723	Environmental Law for Agriculture and Natural Resources <sup>3</sup>	
NREM 4043	Natural Resource Administration and Policy <sup>3</sup>	
POLS 4363	Environmental Law And Policy <sup>3</sup>	
SOC 4433	Environmental Sociology (S) <sup>3</sup>	
CHEM 3013 or BIOC 2344	Survey of Organic Chemistry <sup>3</sup> Chemistry and Applications of Biomolecules	3
BIOL 3034	General Ecology <sup>3</sup>	4
PBIO 1404 or BIOL 1604	Plant Biology (LN) Animal Biology	4
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	

**Related Courses**

Select 5 hours of the following:	5
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	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
<b>Hours Subtotal</b>	<b>61</b>
<b>Electives</b>	
Select 0 hours or hours to complete required total for degree	0
<b>Total Hours</b>	<b>124</b>

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 2028.