# Environmental Science: Water Resources, 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](http://catalog.okstate.edu/university-academic-regulations/#matriculation)).

Minimum Overall Grade Point Average: 2.00
Total Hours: 124

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 1413</td>
<td>Critical Analysis and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 3323</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

## General Education Requirements

### English Composition

See Academic Regulation 3.5 ([http://catalog.okstate.edu/university-academic-regulations/#english-composition/](http://catalog.okstate.edu/university-academic-regulations/#english-composition/))

- ENGL 1113 Composition I
- or ENGL 1313 Critical Analysis and Writing I

### American History & Government

Select one of the following:

- HIST 1103 Survey of American History
- HIST 1483 American History to 1865 (H)
- HIST 1493 American History Since 1865 (DH)
- POLS 1113 American Government

### Analytical & Quantitative Thought (A)

- STAT 2013 Elementary Statistics (A) 1

### Humanities (H)

Courses designated (H)

- 6

### Natural Sciences (N)

Must include one Laboratory Science (L) course

- BIOL 1114 Introductory Biology (LN) 1

### Social & Behavioral Sciences (S)

- AGEC 1113 Introduction to Agricultural Economics (S) 1
- AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S) 1
- 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

- AG 1011 First Year Seminar 3
- ENVR 1113 Elements of Environmental Science (N) 3
- SOIL 2124 Fundamentals of Soil Science (N) 3

### Major Requirements

Select one of the following:

- BCOM 3113 Written Communication 3
- AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources 3
- ENGL 3323 Technical Writing 3
- MATH 1513 College Algebra (A) 1,3
- or MATH 1813 Preparation for Calculus (A)
- CHEM 1314 Chemistry I (LN) 1,3
- or CHEM 1215 Chemical Principles I (LN)
- CHEM 1515 Chemistry II (LN) 1,3
- or CHEM 1225 Chemical Principles II (LN)

### Hours Subtotal

- 23

## Related Courses

Select 5 hours of the following:

- BIOL 1404 Plant Biology (LN)
- or BIOL 1604 Animal Biology
- GEOL 1114 Physical Geology (LN)
- PHYS 1114 College Physics I (LN)
- PHYS 1214 College Physics II (LN)
- MATH 2144 Calculus I (A)
- NREM 4443 Watershed Hydrology and Water Quality

## Additional Course Requirements

- NREM 4893 Environmental Soil Chemistry
- SOIL 4683 Soil, Water, and Weather

## University Academic Regulation

3.1 ([http://catalog.okstate.edu/university-academic-regulations/#matriculation](http://catalog.okstate.edu/university-academic-regulations/#matriculation)).
### Course List

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3053</td>
<td>Freshwater: Concepts, Threats and Management (N)</td>
</tr>
<tr>
<td>BIOL 4363</td>
<td>Principles of Toxicology</td>
</tr>
<tr>
<td>ENTO 4484</td>
<td>Aquatic Entomology</td>
</tr>
<tr>
<td>ENVR 4033</td>
<td>Ecology of Invasive Species</td>
</tr>
<tr>
<td>ENVR 4500</td>
<td>Environmental Science Problems</td>
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<tr>
<td>ENVR 4512</td>
<td>Environmental Impact Analysis</td>
</tr>
<tr>
<td>GEOG 4073</td>
<td>Climate Change: Past, Present, and Future</td>
</tr>
<tr>
<td>GEOL 4403</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>MICR 2123</td>
<td>Introduction to Microbiology</td>
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<tr>
<td>MICR 2132</td>
<td>Introduction to Microbiology Laboratory</td>
</tr>
<tr>
<td>NREM 4023</td>
<td>Restoration Ecology</td>
</tr>
<tr>
<td>NREM 4403</td>
<td>Wetland Ecology and Management</td>
</tr>
<tr>
<td>SOIL 3433</td>
<td>Soil Genesis, Morphology, and Classification</td>
</tr>
<tr>
<td>SOIL 4463</td>
<td>Soil and Water Conservation</td>
</tr>
<tr>
<td>SOIL 4483</td>
<td>Soil Microbiology</td>
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</tbody>
</table>

**Hours Subtotal**: 61

### Electives

Select 0 hours or hours to complete required total for degree: 0

**Total Hours**: 124

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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 2027.