# ENVIRONMENTAL SCIENCE: NATURAL RESOURCES, BSAG

## Requirements for Students Matriculating in or before Academic Year 2019-2020.

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>
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</thead>
<tbody>
<tr>
<td>ENVR 1113</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
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<td>3</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td></td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td></td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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**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 |

**Analytical & Quantitative Thought (A)**

- STAT 2013 | Elementary Statistics (A) |

**Humanities (H)**

Courses designated (H) 6

**Natural Sciences (N)**

Must include one Laboratory Science (L) course

- BIOL 1114 | Introductory Biology (LN) |

Course designated (N) 3

**Social & Behavioral Sciences (S)**

- AGEC 1113 | Introduction to Agricultural Economics (S) |
- AGCM 3203 | Oral Communications in Agricultural Sciences & Natural Resources (S) |
- 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 |
- ENVR 1113 | Elements of Environmental Science |
- SOIL 2124 | Fundamentals of Soil Science (N) |

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 |

**Additional Requirements**

If CHEM 1414 is taken, then must have both CHEM 3015 and BIOC 2344

- PBIO 1404 | Plant Biology (LN) |
- or BIOL 1604 | Animal Biology |
- CHEM 1314 | Chemistry I (LN) |
- or CHEM 1215 | Chemical Principles I (LN) |
- CHEM 1515 | Chemistry II (LN) |
- or CHEM 1225 | Chemical Principles II (LN) |
- PHYS 1114 | College Physics I (LN) |

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 | College Algebra (A) |
- & MATH 1613 | and Trigonometry (A) |

**Written and Oral Communications**

Select one of the following: 3

- BCOM 3113 | Written Communication |
- AGCM 3103 | Written Communications in Agricultural Sciences and Natural Resources |
- ENGL 3323 | Technical Writing |

**Hours Subtotal** 40

**Major Requirements**

**Core Courses**

- AGEC 3503 | Natural Resource Economics |
- BIOL 3034 | General Ecology |
- ENVR 3113 | Sampling and Analyses for Solving Environmental Problems |
- ENVR 4811 | Professional and Capstone Planning |
- ENVR 4813 | Environmental Science Applications and Problem Solving |

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 |
- ENVR 4893 | Soil Chemistry and Environmental Quality |
- or BIOL 4303 | Organismal Ecotoxicology |

**Additional Core Courses**

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

Related Courses

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 (N)  
GEOL 4453  Hydrogeology  
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 2083  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  
PHYS 1214  College Physics II (LN)  
or PHYS 2114  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

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

Total Hours  124

1  College & Departmental 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.

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 2025.