BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES

Why study environmental studies?
The KU Environmental Studies Program provides a rigorous interdisciplinary education and stimulates exchange concerning the environment from natural science, social science, and humanities perspectives.

Requirements for the B.S. Degree
General Education Requirements
In addition to degree and major requirements, all students must complete the KU Core.

Environmental Studies Prerequisite or Co-requisite Knowledge
Mathematics (0)
Majors must complete the following:
Calculus. Satisfied by one of the following:
MATH 115 & MATH 116 Calculus I and Calculus II
MATH 121 Calculus I

Statistics. Satisfied by one of the following:
MATH 365 Elementary Statistics
GEOG 316 Methods of Analyzing Geographical Data
BIOL 570 Introduction to Biostatistics

Supporting Laboratory Science (0)
Majors must complete one of the following:
Principles of Physical Geography and Intro Lab to in Physical Geography. Satisfied by:
GEOG 104 Principles of Physical Geography
& GEOG 105 and Introductory Laboratory in Physical Geography

Introduction to Geology, Honors and Geological Fundamentals Laboratory. Satisfied by:
GEOL 102 The Way The Earth Works, Honors
& GEOL 103 and Geology Fundamentals Laboratory

Introduction to Geology and Geological Fundamentals Laboratory. Satisfied by:
GEOL 101 The Way The Earth Works
& GEOL 103 and Geology Fundamentals Laboratory

Fundamentals of Organic Chemistry and Organic Chemistry Laboratory. Satisfied by:
CHEM 310 Fundamentals of Organic Chemistry
& CHEM 331 and Organic Chemistry I Laboratory

Or
CHEM 330 Organic Chemistry I
& CHEM 331 and Organic Chemistry I Laboratory

Biology and Ecology (0)
Majors must complete the following:
Principles of Molecular and Cellular Biology. Satisfied by:
BIOL 150 Principles of Molecular and Cellular Biology
or BIOL 151 Principles of Molecular and Cellular Biology, Honors

Principles of Organismal Biology. Satisfied by:
BIOL 152 Principles of Organismal Biology

or BIOL 153 Principles of Organismal Biology, Honors

Principles of Ecology. Satisfied by:
BIOL 414 Principles of Ecology

Chemistry (0)
Majors must complete the following:
Foundations of Chemistry I. Satisfied by:
CHEM 130 General Chemistry I
or CHEM 190 Foundations of Chemistry I, Honors

Foundations of Chemistry II. Satisfied by:
CHEM 135 General Chemistry II
or CHEM 195 Foundations of Chemistry II, Honors

Environmental Studies Core Requirements
Environmental Studies Introduction to Science and Culture (10)
Majors must complete both of the following:
Global Environment I: The Discovery of Environmental Change. Satisfied by:
EVRN 140 Global Environment I: The Discovery of Environmental Change
or EVRN 144 Global Environment I: Discovery of Environmental Change, Honors

Global Environment II: The Ecology of Civilization. Satisfied by:
EVRN 142 Global Environment II: The Ecology of Human Civilization
or EVRN 145 Global Environment II: The Ecology of Human Civilization, Honors

Environmental Studies Core Knowledge and Skills (12)
Majors must complete a course in each of the following areas:
Environmental Policy Analysis. Satisfied by:
EVRN 320 Environmental Policy Analysis 3

Environmental Law. Satisfied by:
EVRN 332 Environmental Law 3

Field Ecology. Satisfied by:
EVRN 460 Field Ecology 3

Capstone Experience. Satisfied by:
EVRN 615 Capstone Project 3

Environmental Studies Required Electives/Options (0)
Majors must select an option or design their own. Self-designed emphases must be approved in their entirety by an environmental studies advisor and the undergraduate studies director before implementation. Each option requires 4 courses at the 300+ level.

Major Hours & Major GPA
While completing all required courses, majors must also meet each of the following hour and grade-point average minimum standards:

Major Hours
Satisfied by 32 hours of major courses.

Major Hours in Residence
Satisfied by a minimum of 15 hours of KU resident credit in the major.

Major Junior/Senior Hours
Satisfied by a minimum of 24 hours from junior/senior courses (300+) in the major.
**Bachelor of Science in Environmental Studies**

**Major Junior/Senior Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator (http://clas.ku.edu/undergrad/tools/gpa).

Below is a sample 4-year plan for students pursuing the BS in Environmental Studies. To view the list of courses approved to fulfill KU Core Goals, please visit the KU Core website (http://kucore.ku.edu/courses).

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Hours Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Goal 2.1 Written Communication (First Course, 2 Crs Required)</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Goal 2.2 Oral Communication</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101 (Goal 1.2 Quantitative Reasoning, Pre-requisite for Major Requirements)</td>
<td>5</td>
<td>3</td>
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<tr>
<td>EVRN 140 (Goal 3 Natural Science, Major Requirement)</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Total Hours)</td>
<td>3</td>
<td>3</td>
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<tr>
<th>Sophomore</th>
<th>Hours Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 115 (Goal 1.2 Quantitative Reasoning, Major Requirement)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 135 (Goal 1.2 Quantitative Reasoning or Goal 3 Natural Science, Major Requirement)</td>
<td>3-4</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 150 (Goal 3 Natural Science, Major Requirement)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 152 (Goal 3 Natural Science, Major Requirement)</td>
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<td>3</td>
</tr>
<tr>
<td>EVRN Supporting Laboratory Science LEC (Goal 3 Natural Science, Major Requirement)</td>
<td>2</td>
<td>3</td>
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<tr>
<th>Junior</th>
<th>Hours Spring</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Goal 1.1 Critical Thinking</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Goal 3 Humanities</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EVRN Elective 300+ (Major Requirement)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Elective 300+ (Total Hours)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Total Hours)</td>
<td>3</td>
<td>3</td>
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</tbody>
</table>

Total Hours: 122-123

1. Refer to the Degree Requirements tab for a list of courses that can fulfill this major requirement.
2. A total of 12 hours of EVRN 300+ electives are required for the major. Students are encouraged to choose courses based on an emphasis area in consultation with an advisor.
3. EVRN 332 and EVRN 460 are Fall only courses.

**Departmental Honors**

To graduate with honors in environmental studies, an undergraduate must maintain a minimum overall grade-point average of 3.25 and 3.5 in the major. The student must also complete an individual honors research project in cooperation with a faculty mentor. This project normally represents 2 semesters of original work, the completion of 3 credit hours of EVRN 624 Independent Study, and 3 credit hours of EVRN 625 Honors Research in Environmental Studies. All 6 hours may be applied to the 12 hours of environmental studies electives required for the major. Upon completion of the research project, honors candidates are required to present the results of their work at the department’s Undergraduate Research Colloquium.