# Environmental Science, Bachelor of Science with a Concentration in Geography and Planning

## Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required core courses:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVN 2010</td>
<td>ENVIRONMENTAL PROBLEMS AND SOLUTIONS</td>
<td>1</td>
</tr>
<tr>
<td>ENVN/GEOG/GEOL/BIOL 4610</td>
<td>ENVIRONMENTAL MONITORING AND ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 1010</td>
<td>ENVIRONMENTAL GEOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>Minimum of 3 credit hours of ENVN 4800 must be completed</td>
<td></td>
<td></td>
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<tr>
<td>ENVN/BIOL 4800</td>
<td>INTERNSHIP IN ENVIRONMENTAL MANAGEMENT AND PLANNING</td>
<td>3</td>
</tr>
<tr>
<td>ENVN/BIOL/GEOG/PA 4820</td>
<td>INTRODUCTION TO ENVIRONMENTAL LAW &amp; REGULATIONS</td>
<td>3</td>
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<tr>
<td><strong>Also required:</strong></td>
<td></td>
<td></td>
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<tr>
<td>An approved course in statistics</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Introductory GIS lecture and lab sequence:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 3530</td>
<td>CARTOGRAPHY AND DATA Visualization</td>
<td>4</td>
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</tbody>
</table>

### Geography and Planning Concentration requirements:

Select one physical geography course from the following: 4 credits

- GEOG 1030 OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY
- GEOG 1050 HUMAN-ENVIRONMENT GEOGRAPHY

Select three courses from the following in Human Geography and Planning: 9-10 credits

- GEOG 1020 INTRODUCTION TO HUMAN GEOGRAPHY
- GEOG 4120 URBAN GEOGRAPHY
- GEOG 4160 URBAN SUSTAINABILITY

Or alternative courses approved by advisor.

Select three courses in Physical Geography: 9-12 credits

- GEOG 3440 NEBRASKA NATURAL RESOURCES MANAGEMENT
- GEOG 3510 & GEOG 3514 METEOROLOGY and INTRODUCTION TO METEOROLOGY LABORATORY (*)
- GEOG/BIOG/GEOL 4100 BIOGEOGRAPHY
- GEOG 4260 PROCESS GEOMORPHOLOGY
- GEOG 4320 CLIMATOLOGY
- GEOG/GEOL 4330 SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION
- GEOG 4340 WATER RESOURCES

### Writing in the Discipline

All students are required to take a writing in the discipline course within their major. For the Environmental Science major with a concentration in Geography and Planning, the writing in the discipline requirement can be fulfilled by completing **ENGL 3980**.

### Freshman

#### Fall

<table>
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<tbody>
<tr>
<td>BIOL 1330</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1150</td>
<td>ENGLISH COMPOSITION I (**)</td>
<td>3</td>
</tr>
<tr>
<td>GEG 1020</td>
<td>INTRODUCTION TO HUMAN GEOGRAPHY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1220</td>
<td>COLLEGE ALGEBRA (**)</td>
<td>3</td>
</tr>
</tbody>
</table>

Humans and Fine Arts/US Diversity 3 credits

**ENGL 1150: requires appropriate placement.**

**GEOG 1020 counts toward the major and as a social science/global diversity**

**MATH 1220: Requires appropriate placement.**

#### Spring

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>CHEM 1010 &amp; CHEM 1014</td>
<td>CHEMISTRY IN THE ENVIRONMENT AND SOCIETY and CHEMISTRY IN THE ENVIRONMENT AND SOCIETY LABORATORY(*)</td>
<td>4</td>
</tr>
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Credits 15

Summer
ENNV 4800  INTERNSHIP IN ENVIRONMENTAL MANAGEMENT AND PLANNING (*) 3

(*)ENNV 4800: requires permission of instructor.

Credits 3

Senior
Fall
ENNV/GEOG/GEOL/BIOL 4610  ENVIRONMENTAL MONITORING AND ASSESSMENT (**) 3

ENNV 4820  INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS (***) 3

Approved Human Geography & Planning course 3
Elective course** 3

**ENNV/GEOG/GEOL/BIOL 4610: requires permission of instructor.

***ENNV 4820: requires permission of instructor.

****120 total credits are required for a degree, with a minimum of 18 upper level (3000-4000) credits in the major and 27 upper level credits throughout the degree. Selecting 3000-4000 level electives can help you reach these minimums.

Credits 15

Spring
Approved Biology course 3
Approved Human Geography & Planning course 3
Elective course* 4
Elective course** 3

*ENGL 3980: requires ENGL 1160 or appropriate placement.

**PHYS 1050: HS algebra or equivalent

***PHYS 1054: HS algebra or equivalent; PHYS 1050 prior or concurrent

Total Credits 120

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change.

Additional Information About this Plan:

University Degree Requirements: The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year.

Placement Exams: For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php

**Transfer credit or placement exam scores may change suggested plan of study.