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

The geography and planning concentration is primarily designed to produce local and regional planning specialists who have a good understanding of environmental problems.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Required courses:</strong></td>
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<tr>
<td>ENVN 2010</td>
<td>ENVIRONMENTAL PROBLEMS AND SOLUTIONS</td>
<td>1</td>
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<tr>
<td>BIOL 1330</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td>3</td>
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<tr>
<td>CHEM 1010</td>
<td>CHEMISTRY IN THE ENVIRONMENT AND SOCIETY</td>
<td>3</td>
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<td>CHEM 1014</td>
<td>CHEMISTRY IN THE ENVIRONMENT AND SOCIETY LABORATORY</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 1010</td>
<td>ENVIRONMENTAL GEOLOGY</td>
<td>3</td>
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<tr>
<td>ENVN/BIOG/PA 4820</td>
<td>INTRODUCTION TO ENVIRONMENTAL LAW &amp; REGULATIONS</td>
<td>3</td>
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<tr>
<td>ENVN/GEOG/GEOL/BIOG 4610</td>
<td>ENVIRONMENTAL MONITOR AND ASSESSMENT</td>
<td>3</td>
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<tr>
<td>Minimum of 3 credit hours of ENVN 4800 must be completed</td>
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<tr>
<td>ENVN/BIOG 4800</td>
<td>INTERNSHIP ENVIRONMENTAL MANAGEMENT AND PLANNING</td>
<td>3</td>
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Select one physical geography course from the following: 4

- GEOG 1030 INTRODUCTION TO PHYSICAL GEOGRAPHY
- GEOG 1050 HUMAN-ENVIRONMENT GEOGRAPHY

Also required:

- An approved course in statistics
- Two approved courses in computer science

Introductory GIS lecture and lab sequence:

- GEOG 3530 CARTOGRAPHY & GIS
- GEOG 3540 and CARTOGRAPHY & GIS LAB

Geography and Planning Concentration requirements:

Select three courses from the following in Human Geography and Planning:

- GEOG 1020 INTRODUCTION TO HUMAN GEOGRAPHY
- GEOG 4120 URBAN GEOGRAPHY
- GEOG 4160 URBAN SUSTAINABILITY
- ENVN 3660 & ENVN 3670 INTRODUCTION TO SUSTAINABLE LANDSCAPE DESIGN and INTRODUCTION TO SUSTAINABLE LANDSCAPE DESIGN LABORATORY

Or alternative courses approved by advisor. Both ENVN 3660 and ENVN 3670 must be completed to count towards this requirement.

Select two courses in Physical Geography:

- GEOG 3440 NEBRASKA NATURAL RESOURCES MANAGEMENT
- GEOG 3510 METEOROLOGY
- GEOG/BIOG/GEOL 4100 BIOGEOGRAPHY
- GEOG 4260 PROCESS GEOMORPHOLOGY
- GEOG 4320 CLIMATOLOGY
- GEOG 4330 SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION
- GEOG 4440 WATER RESOURCES
- GEOG 4020 QUANTITATIVE ANALYSIS IN GEOGRAPHY
- GEOG 4030 COMPUTER MAPPING AND VISUALIZATION
- GEOG 4050 GEOGRAPHIC INFORMATION SYSTEMS I
- GEOG 4630 ENVIRONMENTAL REMOTE SENSING
- GEOG 4660 GEOGRAPHIC INFORMATION SYSTEMS II

Select two courses in Biology:

- BIOL 1020 PRINCIPLES OF BIOLOGY
- BIOL 3340 ECOLOGY
- BIOL 3530 FLORA OF THE GREAT PLAINS
- BIOL 4120 CONSERVATION BIOLOGY
- BIOL 4180 LIMNOLOGY
- BIOL 4210 FIRE ECOLOGY

Physics lecture and lab:

- PHYS 1050 & PHYS 1054 INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY

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 either ENGL 2400 or ENGL 3980.