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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required courses:</strong> (Note that in the case of cross-listed courses, Environmental Science majors must enroll in the ENVN section.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVN 2010</td>
<td>ENVIRONMENTAL PROBLEMS AND SOLUTIONS</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1330</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>CHEMISTRY IN THE ENVIRONMENT AND SOCIETY</td>
<td>3</td>
</tr>
<tr>
<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>
</tr>
<tr>
<td>ENVN/BIOL/GEOG/PA 4820</td>
<td>INTRODUCTION TO ENVIROMENTAL LAW &amp; REGULATIONS</td>
<td>3</td>
</tr>
<tr>
<td>ENVN/GEOG/GEOL/BIOG 4610</td>
<td>ENVIRONMENTAL MONITOR AND ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>Minimum of 3 credit hours of ENVN 4800 must be completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVN/BIOL 4800</td>
<td>INTERNSHIP ENVIRONMENTAL MANAGEMENT AND PLANNING</td>
<td>3</td>
</tr>
</tbody>
</table>

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 INTRODUCTION TO SUSTAINABLE LANDSCAPE DESIGN
- & ENVN 3670 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 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

**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.

Physical lecture and lab:

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