# 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>Required core courses:</td>
<td></td>
<td></td>
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<tr>
<td>ENVN 2010</td>
<td>Environmental Problems and Solutions</td>
<td>1</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/GEOG/GEOL/BIOL 4610</td>
<td>Environmental Monitoring and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>Minimum of 3 credit hours of ENVN 4800 must be completed</td>
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<tr>
<td>ENVN/BIOL 4800</td>
<td>Internship 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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</tbody>
</table>

## Also required:

- An approved course in statistics                                                                                   | 3-4     |
- Introductory GIS lecture and lab sequence:                                                                           |         |
  - GEOG 3530 | Cartography and GIS                                                 | 4       |
  - GEOG 3540 | Cartography & GIS Lab                                               |         |

## Geography and Planning Concentration requirements:

- Select one physical geography course from the following:                                                            | 4       |
  - GEOG 1030 | Introduction to Physical Geography                                  |         |
  - GEOG 1050 | Human-Environment Geography                                         |         |

- Select three courses from the following in Human Geography and Planning:                                             | 9-10    |
  - GEOG 1020 | Introduction to Human Geography                                     |         |
  - GEOG 4120 | Urban Geography                                                      |         |
  - GEOG 4160 | Urban Sustainability                                                 |         |
  - ENVN 3660 | Introduction to Sustainable Landscape Design                       |         |
  - ENVN 3670 | 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:                                                                          | 6       |
  - GEOG 3440 | Nebraska Natural Resources Management                               |         |
  - GEOG 3510 | Meteorology                                                          |         |

## Required cognate courses:

- Two approved courses in computer science                                                                             | 6       |
- Select two additional courses in Biology from the following:                                                         | 6-9     |
  - BIOL 1330 | Environmental Biology                                               | 3       |
  - 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                                                        |         |
  - BIOL/ENVN 4410 | Wetland Ecology and Management                                    |         |

## Physics lecture and lab:                                                                                          | 5       |
  - PHYS 1050 | Introduction to Physics                                             |         |
  - PHYS 1054 | and Introduction to Physics Laboratory                             |         |

## Total Credits                                                                                                       | 69-76   |

## 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.