A Bachelor of Science with a major in Geography and a concentration in Environmental Studies focuses on the complex interactions between the environment and society. With this concentration, students will develop skills to address both the natural and social aspects of environmental issues.

**MAJOR REQUIREMENTS**

A minimum grade of C is required in all major courses to graduate with a major in this department.

**Required Courses, 12 credit hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>GEOG 2110</td>
<td>Foundations of Geographic Research</td>
</tr>
<tr>
<td>GEOG 2170</td>
<td>Culture, Environment and Society</td>
</tr>
<tr>
<td>GEOG 2180</td>
<td>Geosystems, Environment and Society</td>
</tr>
<tr>
<td>GEOG 4800</td>
<td>Geography Capstone</td>
</tr>
</tbody>
</table>

**Environmental Studies concentration, 24 credit hours**

**Earth Science** Choose five courses, at least one in each area

- **Geomorphology**
  - GEOG 4350 Geomorphology
  - GEOL 3010 Environmental Geology (2020)
  - GEOL 3020 Historical Geology
  - GEOL 3030 Earthquakes and Volcanoes (2021)

- **Climatology**
  - GEOG 3600 Weather and Climate (2021)

- **Hydrology**
  - GEOG 4750 Surface Water Hydrology
  - GEOL 4850 Introduction to Groundwater Hydrology

- **Biogeography**
  - GEOG 3420 Applied Biogeography
  - GEOG 4710 Ecosystems: Structure, Function and Services

**Human Geography** Choose three courses; one course from the Subfields group, two courses from any of the three groups

- **Subfields**
  - GEOG 3010 Economic Geography
  - GEOG 3600 Political Geography (2020)
  - GEOG 3120 Medical Geography (formerly 4120)
  - GEOG 4210 Urban Geography

- **Regional**
  - GEOG 3100 United States and Canada: Economies, Cities and Sustainability
  - GEOG 3750 Geography of Contemporary Sub-Saharan Africa
  - GEOG 3770 Latin America: Geography and Globalization

- **Global Issues**
  - GEOG 3200 Sustainability (2020)
  - GEOG 4115 Our Energy Futures
  - GEOG 4245 Geography of International Development

**Techniques** Choose two courses

- GEOG 3500 Introduction to Geographic Information Systems
- GEOG 4170 Field Methods and Mapping
- GEOG 4185 Statistical Research Methods in Geography
- GEOG 4525 Using LiDAR Data in GIS (2021)
- GEOG 4530 Digital Image Analysis (2021)
- GEOG 4550 Advanced Geographic Information Systems
- GEOG 4570 Special Topics in GIS

**OTHER COURSE REQUIREMENTS**

**Required Math and Science Courses**

- MATH 1680 Elementary Probability and Statistics (or equivalent)

**Additional Science Course** Choose one course

- BIOL 1132 Environmental Science
- BIOL 2140 Principles of Ecology
- BIOL 2241 Biology of Higher Plants
- BIOL 2251 Biodiversity and Conservation of Animals

- CHEM 1360 Context of Chemistry
- CHEM 1410 General Chemistry for Science Majors (or equivalent)
- PHYS 1315 Introduction to the World of Physics
- PHYS 1410 General Physics I (or equivalent)