# GEOGRAPHY, B.A. - GEOSPATIAL APPLICATIONS OPTION

## Major in Geography

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 120</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 230</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 281</td>
<td>Maps and GIS</td>
<td>12</td>
</tr>
<tr>
<td>GEOG 282</td>
<td>Quantitative and Spatial Analysis</td>
<td></td>
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<tr>
<td>GEOG 295</td>
<td>GIS I: Vector Data Analysis</td>
<td></td>
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<tr>
<td>GEOG 296</td>
<td>GIS II: Raster Data Analysis</td>
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<tr>
<td>GEOG 372</td>
<td>Urban and Regional Planning</td>
<td>3</td>
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## Concentration in Geospatial Applications

### GEOGRAPHY TECHNIQUES COURSES - Choose 6 hours from:
- Any 28-level GEOG course(s)
- Any 29-level GEOG course(s)
- Any 38-level GEOG course(s)
- Any 39-level GEOG course(s)

### APPLIED GEOGRAPHY COURSES - Choose 6 hours from:
- GEOG 278 Transportation Geography
- GEOG 304 Water Resources Management
- GEOG 305 Energy Sustainability
- GEOG 306 Environmental Impact Assessment
- GEOG 307 US Environmental Policy
- GEOG 336 Climate And Society
- GEOG 407 Global Environmental Policy/Negotiation

### REGIONAL DIMENSIONS - Choose 1 class from:
- Any 14-level GEOG course(s)
- Any 24-level GEOG course(s)
- Any 34-level GEOG course(s)
- Any 44-level GEOG course(s)

### GEOSPATIAL APPLICATIONS RESEARCH/PRACTICUM
- Co-Op in Geography or Senior Thesis - Choose 3 hours from:
  - GEOG 300 Co-Op Ed Experience in Geog
  - GEOG 400 Co-Op Ed Experience in Geog
  - GEOG 500 Co-Op Ed Experience in Geog
  - GEOG 488 Senior Thesis
  - GEOG 499 Departmental Honors

### ADDITIONAL REQUIRED GEOGRAPHY ELECTIVE
- undefined - Choose 1 class from:
  - Any GEOG course(s)

Note: This requirement may not be satisfied with GEOG 120, GEOG 230, GEOG 281, GEOG 292, GEOG 295, or GEOG 372.

Any GEOG courses taken in excess of requirements will be listed here and count toward major GPA.

## Req Related for Geography, BA

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 130</td>
<td>Elements of Statistics 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 235</td>
<td>Survey of Statistics</td>
<td></td>
</tr>
<tr>
<td>MATH 151</td>
<td>Calculus for Management</td>
<td>4</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Precalculus</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: **21**

A MINOR IS REQUIRED


## REQUIRED RELATED COURSES

Elements of Stat I or Survey of Statistics - Choose 1 of the following: **3**
- MATH 130 Elements of Statistics 1
- MATH 235 Survey of Statistics

Calculus for Management or Precalculus - Choose 1 of the following: **4**
- MATH 151 Calculus for Management
- MATH 160 Precalculus

Total Hours: **7**