# Geographic Information Science Minor

(All colleges, excluding teacher certification programs; not open to geography and earth science majors and minors)

21 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 250</td>
<td>Maps and GIS</td>
<td>3</td>
</tr>
<tr>
<td>GEO 355</td>
<td>Map Design and Geovisualization</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information System and Science</td>
<td>3</td>
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</tbody>
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Select at least nine credits of the following: 9

- GEO/ESC 345 Remote Sensing
- GEO/ESC 390 Geospatial Field Methods
- GEO/ESC 440 Geographic Interpretation of Aerial Photographs
- GEO/ESC 445 Advanced Remote Sensing
- GEO/ESC 455 Web Mapping
- GEO 485 Advanced Geographic Information Science
- GEO 488 Spatial Data Analysis
- GEO 450 Geography Internship ¹
  - or GEO 490 Independent Study
  - or GEO 499 Undergraduate Research

Select one of the following: 3

- ESC 101 Earth Environments
- GEO 102 Maps and Society
- GEO 110 World Cultural Regions
- GEO 200 Conservation of Global Environments
- GEO 201 Geography of United States and Canada
- GEO 300 Population Geography
- GEO 306 Economic Geography
- GEO 307 Political Geography
- GEO 309 Urban Geography
- GEO 310 Transportation Geography
- GEO/ESC 321 Sustainable Development and Conservation

Total Credits 21

Students in this minor are required to take STAT 145.

¹ Maximum three credits can be applied to the minor from GEO 450, GEO 490, or GEO 499.