# MINOR, GEOGRAPHIC INFORMATION SYSTEMS

Minimum Requirements for Minor: 15 credits

Students must earn a C grade or better in each course.

Select four from the following: 12-15

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GEOG F111X</td>
<td>Earth and Environment: Elements of Physical Geography</td>
</tr>
<tr>
<td>GEOG F309</td>
<td>Digital Cartography and Geo-Visualization</td>
</tr>
<tr>
<td>GEOG F339</td>
<td>Maps and Landscape Analysis</td>
</tr>
<tr>
<td>GEOG F460</td>
<td>The Dynamic Alaska Coastline</td>
</tr>
<tr>
<td>GEOS F422</td>
<td>Geoscience Applications of Remote Sensing</td>
</tr>
<tr>
<td>GEOS F458</td>
<td>Applications of GPS and GIS in Geophysics</td>
</tr>
<tr>
<td>NRM F338</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
</tbody>
</table>

Select one from the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>GEOG F300</td>
<td>Internship in Geography</td>
</tr>
<tr>
<td>GEOG F430</td>
<td>Google Earth and Neogeography</td>
</tr>
<tr>
<td>GEOS F488</td>
<td>Undergraduate Research</td>
</tr>
<tr>
<td>NRM F369</td>
<td>GIS and Remote Sensing for Natural Resources</td>
</tr>
<tr>
<td>NRM F435</td>
<td>GIS Analysis</td>
</tr>
</tbody>
</table>

Total Credits 15-19