The requirements for a minor must be completed concurrently with the major degree requirements.

No minor may be added by completing courses after receiving the bachelor's degree.

A minimum 2.00 GPA is required in all work presented for minor credit.

### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 2023</td>
<td>Introduction to Spatial Thinking and Computer Mapping</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Choose 12 hours, with at least 9 hours at the upper division (3000+) level, from the following:

- GEOG 3483 Remote Sensing & Phenology
- GEOG 3924 Quantitative Methods
- GIS 4013 Fundamentals of Geographic Information Systems
- GIS 4133 Fundamentals of Remote Sensing
- GIS 4233 Digital Image Processing
- GIS 4253 GIS Applications
- GIS 4453 Advanced GIS and Spatial Analysis
- GIS 4653 Spatial Programming and GIS
- GIS 4923 Spatial Statistics
- GIS 4970 Special Topics/Seminar

Total Credit Hours: 15

The successful completion of a minor will be entered on the student’s permanent record at the time the degree is recorded.