REQUIREMENTS FOR THE MINOR
COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education
Summer 2024 through Spring 2025

General Requirements

Minimum Total Credit Hours .......................................................... 15

Program
Geographic Information Systems
N462
Minor

- 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>
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Electives

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

- GEOG 1113 The Language of Maps
- GEOG 4023 Geography of Health and Disease
- GEOG 4183 Patterns and Processes in Landscape Ecology
- GIS 1313 Computers and Programs for Environmental Professionals
- GIS 3003 Computer Cartography and Geovisualization
- GIS 4013 Fundamentals of Geographic Information Systems
- GIS 4133 Fundamentals of Remote Sensing
- GIS 4173 Drones and Remote Sensing
- GIS 4233 Digital Image Processing
- GIS 4243 Remote Sensing Applications
- GIS 4253 GIS Applications
- GIS 4453 Advanced GIS and Spatial Analysis
- GIS 4553 Advanced Remote Sensing
- GIS 4653 Spatial Programming and GIS
- GIS 4833 Environmental Spatial Modeling
- 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.