### General Requirements

**Total Credit Hours:** 124

**Minimum Retention/Graduation Grade Point Averages:**

- Minimum in OU Coursework: 2.00
- Minimum in Major Coursework – Combined and OU: 2.00
- Overall – Combined and OU: 2.00

### Major Requirements

**Core (18 hours, 6 courses)**

- GIS 2013, Intro. to Geoinformatics
- GIS 2453, Spatial Thinking and GIS Visualization
- GIS 4203, GIS Internship
- GIS 4453, GIS and Spatial Analysis
- GIS 4653, Spatial Programming
- GIS 4953, GIS Capstone

**Remote Sensing (6 hours, 2 courses)**

- GEOG 4133, Fund. of Remote Sensing
- GEOG 4233, Digital Image Processing

**Statistics (3 hours, 1 course)**

- ANTH 4713, Statistical Concepts in Anthropology
- ECON 2843, Elements of Statistics
- GIS 3923, Intro. to Geoinformatics
- PSY 3123, Social Statistics
- PSY 2003, Understanding Statistics
- PSY 2113, Research Methods I: Stats.

**Writing (3 hours, 1 course)**

- ENGL 3113, Nature/Environment/Science Writing
- ENGL 3153, Technical Writing
- EXPO 1213, Expository Writing
- EXPO 1223, Expository Writing

**Computer-Related (6 hours, 2 courses)**

- AVIA 1003, Intro. to Computer Concepts & Applications
- MIS 2113, Computer-Based Info. Sys.
- MIS 3013, Intro. to Programming

**Additional Adviser-Approved Electives (12 hours)**

**Free Electives**

Electives to bring total applicable hours to 124 including 48 upper-division hours.

### Additional College of Atmospheric and Geographic Sciences Bachelor of Arts Requirements:

**Humanities Elective (3 hours, 1 course)**

- To be chosen from the University-Wide General Education Approved List.

**Natural Science Elective (4 hours, 1 course)**

- With or without a laboratory component. To be chosen from the University-Wide General Education Approved List.

**Foreign Language (6 hours, 2 courses at the intermediate level)**

- Intermediate Course (3 hours)
- Intermediate Course (3 hours)
### INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

**TOTAL HOURS:** A minimum of 124 semester hours acceptable toward graduation must be completed.

**UPPER-DIVISION HOURS:** A minimum of 48 upper-division semester hours acceptable toward graduation must be completed. OU courses numbered 3000 or above are upper-division. Transfer work is counted as lower-division or upper-division credit depending on the level at which it was offered at the institution where it was earned. Two-year college work is accepted only as lower-division credit.

**SENIOR INSTITUTION HOURS:** A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.

**RESIDENCY:**
- A minimum of two semesters must be spent in residence in the College of Atmospheric and Geographic Sciences.
- At least 36 of the last 48 hours must be completed in residence at OU.

**INDIVIDUAL STUDIES:** No more than six hours to independent study or directed readings may be applied toward degree requirements.

**GRADE POINT AVERAGES:** Students must earn a minimum overall 2.50 for each of the following: Combined Retention GPA (all college grades), OU Retention GPA, GPA for all major courses, and GPA for all major courses taken at OU.

Refer to the OU General Catalog for more complete information.

**Suggested Semester Plan of Study — Bachelor of Arts in Geographic Information Science (B450)**

This plan shows one possible grouping of courses that would allow students to graduate in four years. Please refer to the front of the degree check sheet for official requirements. Students must consult with College of Atmospheric and Geographic Sciences and/or Geoinformatics Program academic advisors to verify that courses selected each semester fulfill the recommended plan and satisfy University, College of Atmospheric & Geographic Sciences, and Geographic Information Science major requirements.

<table>
<thead>
<tr>
<th>Year</th>
<th>FIRST SEMESTER</th>
<th>Hours</th>
<th>SECOND SEMESTER</th>
<th>Hours</th>
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<tr>
<td>FRESHMAN</td>
<td>ENGL 1113, Principles of English Composition (Core I)</td>
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<td>ENGL 1213, Principles of English Composition (Core I), or</td>
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<td>Beginning Foreign Language (Core I)</td>
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<td>Beginning Foreign Language cont. (Core I)</td>
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<td>HIST 1483, United States 1492-1865, or</td>
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<td>P SC 1113, American Federal Government (Core III)</td>
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<td>1493, United States 1865-Present (Core IV)</td>
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<td>Understanding Artistic Forms (Core IV)</td>
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<td>Mathematics General Education (Core I)</td>
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<td>GIS 2013, Intro. to Geoinformatics</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td>Social Science (Core III)</td>
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<td>Western Civilization &amp; Culture (Core IV)</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td>Statistics Course Requirement</td>
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<td>Remote-Sensing Course Requirement</td>
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<td>Cognate Course</td>
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<td>Natural Science Elective</td>
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<td>Non-Western Culture (Core IV)</td>
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<td>College Elective</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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</tr>
</tbody>
</table>

Bachelor’s degrees require a minimum of 48 hours of upper-division (3000-4000) coursework.

This plan of study should not be used in lieu of academic advisement.

#### Remote-Sensing (6 hours, 2 courses)
- GEOG 4133, Fund. of Remote Sensing
- GEOG 4233, Digital Image Processing
- GEOG 4393, Automation Analysis of Spatials
- GIS 4970, Topics (Remote Sensing), or Adviser-approved elective

#### Statistics (3 hours, 1 course)
- ANTH 4713, Stat. Concepts in Anthropology
- ECON 2843, Elements of Statistics
- GIS 3923, Intro. Statistics for Geoinformatics
- P SC/SOC 3123, Social Statistics
- PSY 2003, Understanding Statistics
- PSY 2113, Research Methods I: Statistics

#### Writing (3 hours, 1 course)
- ENGL 3113, Nature/Environment/Science Writing
- ENGL 3153, Technical Writing
- EXPO 1213, Expository Writing
- EXPO 1223, Expository Writing

#### Computer-Related (6 hours, 2 courses)
- AVIA 1003, Intro. to Computer Concepts & Applications
- MIS 2113, Computer-Based Info. Systems
- MIS 3013, Intro. to Programming

#### Cognate Courses
- Twelve hours (12 hours, 4 courses) in the same area, to be chosen from the following: botany, economics, geography, geology, journalism, meteorology, political science, psychology, regional & city planning, sociology, or another adviser-approved area.

#### Additional Adviser-Approved Electives
- Twelve hours of additional adviser-approved electives.