

**REQUIREMENTS FOR THE BACHELOR OF ARTS IN GEOGRAPHIC INFORMATION SCIENCE**  
**COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES**  
 THE UNIVERSITY OF OKLAHOMA

For Students Entering the Oklahoma State System for Higher Education:  
**Summer 2014 through Spring 2015**

GENERAL REQUIREMENTS	
Total Credit Hours . . . . .	127
Total Upper-Division Credit Hours . . . . .	48
<b>Minimum Retention/Graduation Grade Point Averages:</b>	
Minimum in OU Coursework . . . . .	2.25
Minimum in Major Coursework – Combined and OU . . . . .	2.25
Overall – Combined and OU . . . . .	2.25

Geographic Information  
 Science  
**B450**  
 Bachelor of Arts in Geographic  
 Information Science

**OU encourages students to complete at least 30 hours of applicable coursework each year to have the opportunity to graduate in four years.**

GENERAL EDUCATION AND COLLEGE REQUIREMENTS Courses graded P/NP will not apply.	Courses required for the major or major support may <u>not</u> also fulfill University-Wide General Education Requirements	
<p>Courses for fulfillment of General Education and College of Atmospheric &amp; Geographic Sciences requirements must be from the approved General Education course list at <a href="http://www.ou.edu/enrollment/home/classes_offered/general_education.html">http://www.ou.edu/enrollment/home/classes_offered/general_education.html</a>.</p> <p style="text-align: center;"><b>University-Wide General Education (minimum 40 hours) and College of Atmospheric and Geographic Sciences Requirements</b>                      Courses graded P/NP will not apply</p> <p><b>Core Area I: Symbolic and Oral Communication</b> (9-19 hours, 3-5 courses)</p> <p>A. <b>English Composition</b> (6 hours, 2 courses)</p> <p>1. English 1113, Principles of English Composition</p> <p>2. English 1213, Principles of English Composition, or EXPO 1213, Expository Writing</p> <p>B. <b>Foreign Language</b> (0-10 hours in the same language)                      Students who have not completed two years of the same foreign language in high school are required to take two college courses in the same foreign language.</p> <p>1. Beginning Course (0-5 hours) _____</p> <p>2. Beginning Course, continued (0-5 hours) _____</p> <p>C. <b>Mathematics</b> (3 hours, 1 course). _____</p> <p><b>Core Area II: Natural Science</b> (7 hours, 2 courses) including one laboratory component.</p> <p>1. _____</p> <p>2. _____</p> <p><b>Core Area III: Social Science</b> (6 hours, 2 courses)</p> <p>1. Political Science 1113, American Federal Government</p> <p>2. _____</p> <p><b>Core Area IV: Humanities</b> (12 hours, 4 courses)</p> <p>a. <b>Understanding Artistic Forms</b> (3 hours, 1 course) _____</p> <p>b. <b>Western Civilization and Culture</b> (6 hours, 2 courses)</p> <p>1. History 1483, U.S., 1492-1865, or History 1493, U.S., 1865-Present,</p> <p>2. _____ (excluding HIST 1483 and 1493)</p> <p>c. <b>Non-Western Culture</b> (3 hours, 1 course): _____</p> <p><b>Core Area V: Senior Capstone Experience</b> (3 hours, 1 course): _____</p> <p>At least three hours of Upper-Division General Education coursework must be completed outside the major.</p> <p style="text-align: center;"><b>Additional College of Atmospheric and Geographic Sciences Bachelor of Arts Requirements:</b></p> <p><b>Humanities or Social Science Elective</b> (3 hours, 1 course). To be chosen from the University-Wide General Education Approved List.</p> <p>Humanities/Social Science: _____</p> <p><b>Natural Science Elective</b> (4 hours, 1 course). With or without a laboratory component. To be chosen from the University-Wide General Education Approved List.</p> <p>Natural Science: _____</p> <p><b>Foreign Language</b> (6 hours, 2 courses at the intermediate level).</p> <p>Intermediate Course (3 hours) _____</p> <p>Intermediate Course (3 hours) _____</p>	MAJOR REQUIREMENTS	MAJOR SUPPORT REQUIREMENTS
	<p><b>CORE (27 hours, 9 courses)</b></p> <p>GIS 2013, Geospatial Tech. &amp; Society 3</p> <p>GIS 2023, Intro. to Spatial Thinking 3</p> <p>GEOG 3773, Geography of the U.S. 3</p> <p>GIS 4013, Fundamentals of GIS 3</p> <p>GIS 4253, GIS Applications 3</p> <p>GIS 4453, Adv. GIS &amp; Spatial Analysis 3</p> <p>GIS 4653, Spatial Programming 3</p> <p>GEOG 4893, Research Methods &amp; Professional Development 3</p> <p>GIS 4953, GIS Capstone 3</p> <p><b>Remote Sensing (6 hours, 2 courses)</b></p> <p>GIS 4133, Fund. of Remote Sensing _____ 3</p> <p>GIS 4233, Digital Image Processing _____ 3</p> <p>GIS 4393, Automated Analysis of Spatial Grids _____ 3</p> <p>GIS 4970, Topics (Remote Sensing), or Adviser-approved elective _____ 3</p> <p>_____ 3</p> <p>_____ 3</p> <p><b>Statistics (7 hours, 2 courses)</b></p> <p>GEOG 3924, Quantitative Methods 4</p> <p>GIS 4923, Spatial Statistics 3</p> <p><b>Computer-Related (6 hours, 2 courses)</b></p> <p>MIS 2113, Computer-Based Info. Sys. _____ 3</p> <p>MIS 3013, Intro. to Programming _____ 3</p> <p>_____ 3</p> <p>_____ 3</p>	<p><b>Additional College Requirements (24 hours)</b></p> <p><b>Cognate</b></p> <p>Twelve hours (12 hours, to include 6 upper-division hours, 4 courses) in the same area, to be chosen from the following: botany, economics, geography, geology, journalism, meteorology, political science, psychology, regional &amp; city planning, sociology, or another adviser-approved area.</p> <p>_____ 3</p> <p>_____ 3</p> <p>_____ 3</p> <p>_____ 3</p> <p><b>Additional Adviser-Approved Electives (12 hours)</b></p> <p>_____ 3</p> <p>_____ 3</p> <p>_____ 3</p> <p>_____ 3</p> <p><b>Free Electives</b></p> <p>Electives to bring total applicable hours to 124 including 48 upper-division hours.</p>

**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 of independent study or directed readings may be applied toward degree requirements.

**GRADEPOINT AVERAGES:** Students must earn a minimum overall 2.25 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 checklist for official requirements. Students must consult with College of Atmospheric and Geographic Sciences and/or Geoinformatics Program academic advisers 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.

Year	FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
<b>FRESHMAN</b>	ENGL 1113, Principles of English Composition (Core I)	3	ENGL 1213, Principles of English Composition (Core I), or	3
	Beginning Foreign Language I (Core I)	5	EXPO 1213, Expository Writing (Core I)	5
	HIST 1483, United States 1492-1865, or	3	Beginning Foreign Language cont. (Core I)	3
	1493, United States 1865-Present (Core IV)	3	P SC 1113, American Federal Government (Core III)	3
	Mathematics General Education (Core I)	3	Understanding Artistic Forms (Core IV)	3
	Social Science (Core III)	3	Cognate Course	3
	<b>TOTAL CREDIT HOURS</b>	<b>17</b>	<b>TOTAL CREDIT HOURS</b>	<b>17</b>
<b>SOPHOMORE</b>	GIS 2013, Geospatial Technologies & Society	3	GIS 2023, Intro. to Spatial Thinking	3
	Natural Science with lab (Core II)	4-5	Natural Science (Core II)	3-4
	Humanities or Social Science elective	3	Western Civilization & Culture (Core IV)	3
	Intermediate Foreign Language (College elective)	3	Intermediate Foreign Language (College elective)	3
	Natural Science Elective	4	MIS 2113, Computer-Based Information Systems	3
		<b>TOTAL CREDIT HOURS</b>	<b>17-18</b>	<b>TOTAL CREDIT HOURS</b>
<b>JUNIOR</b>	GEOG 3924, Quantitative Methods	4	GIS 4253, GIS Applications	3
	GIS 4013, Fundamentals of GIS	3	Remote-Sensing Course Requirement	3
	Remote-Sensing Course Requirement	3	Cognate Course	3
	Non-Western Culture (Core IV)	3	College Elective	3
	MIS 3013, Introduction to Programming	3	GEOG 3773, Geography of the U.S.	3
		<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>
<b>SENIOR</b>	GIS 4453, Advanced GIS and Spatial Analysis	3	GIS 4200, GIS Internship	3
	GIS 4653, Spatial Programming	3	GIS 4953, GIS Capstone	3
	GIS 4923, Spatial Statistics	3	Cognate Course	3
	College Elective	3	College Elective	3
	GEOG 4893, Research Methods	3	Free Elective	3
		<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>

**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)	Statistics (7 hours, 2 courses)	Computer-Related (6 hours, 2 courses)	
GIS 4133, Fund. of Remote Sensing GIS 4233, Digital Image Processing GIS 4393, Automated Analysis of Spatial Grids GIS 4970, Topics (Remote Sensing), or Adviser-approved elective	GEOG 3924, Quantitative Methods GIS 4923, Spatial Statistics	MIS 2113, Computer-Based Info. Systems MIS 3013, Intro. to Programming	
<b>Cognate Courses</b>		<b>Additional Adviser-Approved Electives</b>	
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.		Twelve hours of additional adviser-approved electives.	
_____	_____	_____	_____
_____	_____	_____	_____