

**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 2017 through Spring 2018**

GENERAL REQUIREMENTS	
Total Credit Hours . . . . .	149
Total Upper-Division Credit Hours . . . . .	40
<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  
**A450**  
 Bachelor of Arts in Geographic Information Science/Master of Regional & City Planning  
**F817-Q272**

**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 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/content/gened/courses.html">http://www.ou.edu/content/gened/courses.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></p> <p style="text-align: center;">Courses graded P/NP will not apply</p> <p><b>Core Area I: Symbolic and Oral Communication</b> (9-22 hours, 3-6 courses)</p> <p>A. <b>English Composition</b> (6 hours, 2 courses)</p> <ol style="list-style-type: none"> <li>1. English 1113, Principles of English Composition</li> <li>2. English 1213, Principles of English Composition, or EXPO 1213, Expository Writing</li> </ol> <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> <ol style="list-style-type: none"> <li>1. Beginning Course (0-5 hours) _____</li> <li>2. Beginning Course, continued (0-5 hours) _____</li> </ol> <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> <ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> </ol> <p><b>Core Area III: Social Science</b> (6 hours, 2 courses)</p> <ol style="list-style-type: none"> <li>1. Political Science 1113, American Federal Government</li> <li>2. _____</li> </ol> <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> <ol style="list-style-type: none"> <li>1. History 1483, U.S., 1492-1865, or History 1493, U.S., 1865-Present,</li> <li>2. _____ (excluding HIST 1483 and 1493)</li> </ol> <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><b>Humanities/Social Science:</b> _____</p> <p><b>Natural Science Elective</b> (3-4 hours, 1 course). With or without a laboratory component. To be chosen from the University-Wide General Education Approved List.</p> <p><b>Natural Science:</b> _____</p> <p><b>Foreign Language</b> (6 hours, 2 courses at the intermediate level). If the student successfully places beyond the second intermediate course, the 16 hours of required foreign language will become free electives.</p> <p>Intermediate Course (3 hours) _____</p> <p>Intermediate Course (3 hours) _____</p>	MAJOR REQUIREMENTS	SHARED HOURS	
	CORE (24 hours, 8 courses)	<p>GIS 2023, Intro. to Spatial Thinking 3</p> <p>GEOG 1113, The Language of Maps 3</p> <p>GEOG 1123, Intro. to Geohumanities 3</p> <p>GEOG 3773, Geography of the U.S. 3</p> <p>*GIS 5013, Fundamentals of GIS 3</p> <p>GIS 4253, GIS Applications 3</p> <p>GEOG 4893, Research Methods &amp; Professional Development 3</p> <p>GEOG 4953, Geoinformatics Capstone Seminar 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>GEOG 4313, Interpreting Society &amp; Environment 3</p> <p><b>Computer-Related (6 hours, 2 courses)</b></p> <p>Two from the following:</p> <p>C S 1313, Programming for Non-Majors with C _____ 3</p> <p>METR 1313, Programming for Meteorology _____ 3</p> <p>MIS 2113, Computer-Based Info. Sys. _____ 3</p> <p>MIS 3013, Intro. to Programming _____ 3</p> <p><b>Applied GIS (3 hours)</b></p> <p>RCPL 4463, Geographic Information Systems for Land Use Planning 3</p> <p>OR other adviser-approved course _____ 3</p>	MRCP Component (29 hours)
		<p>*These 12 hours of Graduate Credit, and GIS 5013 in the major core, count towards both the undergraduate and graduate degrees:</p> <p>*RCPL 5013, History &amp; Theory of Urban Plan. 3</p> <p>*RCPL 5053, Planning Management 3</p> <p>*RCPL 5203, Urban Land Use Controls 3</p> <p>*RCPL 5173, Urban and Regional Analysis 3</p>	
		<p>RCPL 5113, Urban Planning Research Methods 3</p> <p>RCPL 5525, Comprehensive Regional &amp; City Planning Project 5</p> <p style="text-align: center;"><b>OR</b></p> <p>RCPL 5522, Comprehensive RCPL Project: Report. &amp; Implementation, <b>and</b> RCPL 5523, Comprehensive RCPL Project: Research &amp; Plan Making 3</p> <p>Three Specialization courses (9 hours) in either Physical Planning or Community &amp; Economic Development: _____ 3</p> <p>_____ 3</p> <p>_____ 3</p> <p>One course (3 hours) from the opposite track's breadth courses: _____ 3</p> <p>_____ 3</p> <p>Graduate-level RCPL Electives (9 hours), chosen in consultation with Graduate advisor: _____ 3</p> <p>_____ 3</p> <p>_____ 3</p>	
	MAJOR SUPPORT REQUIREMENTS	Free Electives	
	<p><b>Additional College Requirements</b></p> <p><b>Adviser-Approved Electives (6 hours)</b></p> <p>6 hours of adviser-approved coursework relevant to the student's field(s) of study.</p> <p>_____ 3</p> <p>_____ 3</p>	<p>Electives to bring total applicable hours to 149.</p>	

## INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

**TOTAL HOURS:** A minimum of 120 semester hours acceptable toward graduation must be completed.

**UPPER-DIVISION HOURS:** A minimum of 40 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/Master of Regional & City Planning: A450/F818-Q272**

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 checksheet for official requirements. Students must consult with College of Atmospheric and Geographic Sciences and/or Department of Geography academic advisers to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographic Sciences, and Environmental Sustainability major requirements.

Year	FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
<b>FRESHMAN</b>	ENGL 1113, Principles of English Comp. (Core I)	3	ENGL 1213, Principles of English Comp. (Core I), <b>or</b>	3
	Beginning Foreign Language (Core I)	5	EXPO 1213, Expository Writing (Core I)	3
	<sup>1</sup> General Education Mathematics course (Core I)	3	Beginning Foreign Language Cont. (Core I)	5
	<sup>1</sup> Social Science (Core III)	3	GEOG 1113, Language of Maps	3
			GEOG 1123, Intro. to Geohumanities	3
	<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</b>
<b>SOPHOMORE</b>	GIS 2023, Intro. to Spatial Thinking	3	Intermediate Foreign Language	3
	Intermediate Foreign Language	3	<sup>1</sup> General Education Natural Science (Core II)	3
	HIST 1483, United States 1492-1865, <b>or</b> 1493, United States 1865-Present (Core IV)	3	<sup>1</sup> General Education Western Civilization & Culture (Core IV)	3
	<sup>1</sup> General Education Natural Science with Laboratory (Core II)	4	<sup>1</sup> General Education Understanding Artistic Forms (Core IV)	3
	<sup>1</sup> Humanities or Social Science elective	3	Computer-related course	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>JUNIOR</b>	GEOG 3924, Quantitative Methods	4	GEOG 3773, Geography of the U.S.	3
	*GIS 5013, Fundamentals of GIS	3	GIS 4253, GIS Applications	3
	Computer-related course	3	*RCPL 5203, Urban Land Use Controls	3
	Remote Sensing course	3	P SC 1113, American Federal Government (Core III)	3
	<sup>1</sup> General Education Non-Western Culture (Core IV)	3	Remote Sensing course	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>SENIOR</b>	GEOG 4313, Interpreting Society & Environment	3	GEOG 4953, Capstone	3
	GEOG 4983, Research Methods	3	*RCPL 5173, Urban & Regional Analysis	3
	RCPL 4463, GIS for Land Use Planning	3	Breadth course in selected RCPL specialization	3
	*RCPL 5013, History & Theory of Urban Planning	3	<sup>2</sup> College Elective	3
	RCPL 5113, Urban Planning Research Methods	3	<sup>2</sup> College Elective	3
<sup>1</sup> Natural Science elective	3			
	<b>TOTAL CREDIT HOURS</b>	<b>18</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>5th YEAR</b>	RCPL 5525 Comprehensive RCPL Project Studio <b>or</b> RCPL 5523 {Fa}/5522{Sp}	3-5	*RCPL 5053, Planning Management	3
	Breadth course in selected RCPL specialization	3	Breadth course in selected RCPL specialization	3
	Breadth course in non-selected specialization	3	RCPL specialization elective	3
	RCPL specialization elective	3	RCPL specialization elective (RCPL 5522, if not in Fall)	0-2
		<b>TOTAL CREDIT HOURS</b>	<b>12-14</b>	<b>TOTAL CREDIT HOURS</b>

\*= These courses are shared between the undergraduate and graduate degrees.

<sup>1</sup>= To be chosen from the University-Wide General Education Approved Course List. Three hours of general education must be upper-division outside the major.

<sup>2</sup>= Six hours of adviser-approved coursework relevant to the student's field(s) of study.

**Bachelor's degrees require a minimum of 40 hours of upper-division (3000-4000) coursework.**

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