

REQUIREMENTS FOR THE BACHELOR OF ARTS
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	120
Minimum Upper-Division Hours	40
Minimum Retention/Graduation Grade Point Averages:	
Overall - Combined and OU	2.25
Major - Combined and OU	2.25

Program
Geographic Information Science
B450
Bachelor of Arts

OU encourages students to complete at least 30 hours of applicable coursework each year to have the opportunity to graduate in 4 years.

GENERAL EDUCATION AND COLLEGE REQUIREMENTS

Courses for fulfillment of General Education and college requirements must be from the approved General Education course lists at <http://www.ou.edu/content/gened/courses.html>. **Courses graded P/NP will not apply.**

UNIVERSITY-WIDE GENERAL EDUCATION (MINIMUM 40 HOURS) AND COLLEGE REQUIREMENTS

At least three hours of Upper-Division General Education coursework must be completed **outside the major**.

Code	Title	Credit Hours
Core Area I: Symbolic and Oral Communication		
<i>English Composition (6 hours)</i>		
ENGL 1113	Principles of English Composition	3
ENGL 1213	Principles of English Composition	3
or EXPO 1213	Expository Writing	
<i>Language (0-10 hours)</i>		
(0-10 hours) Students who have not completed two years of the same language in high school are required to take two college courses in the same language		
Beginning Course		0-5
Beginning Course, continued		0-5
<i>Mathematics (3 hours)</i>		
Choose one course from the General Education Mathematics list		
		3
Core Area II: Natural Science (7 hours, 2 courses)		
Choose two courses including one laboratory component		
		7
Core Area III: Social Science (6 hours)		
P.SC 1113	American Federal Government	3
Choose one course from the General Education Social Science list		
		3
Core Area IV: Arts and Humanities		
<i>Artistic Forms (3 hours)</i>		
Choose one course from the General Education Artistic Forms list		
		3
<i>Western Culture (3 hours)</i>		
HIST 1483	United States to 1865	3
or HIST 1493	United States, 1865 to the Present	
Choose one course from the General Education Western Culture list (excluding HIST 1483 & 1493)		
		3
<i>World Culture (3 hours)</i>		
Choose one course from the General Education World Culture list		
		3
Core Area V: First Year Experience (3 hours)		
Choose one course		
		3
Total Credit Hours		37-47

ADDITIONAL COLLEGE B.A. REQUIREMENTS

Code	Title	Credit Hours
Humanities and Social Science Electives (3 hours must be Upper-Division)		
Choose one course from Arts & Humanities Gen Ed lists		
		3
Choose one course from the Social Science Gen Ed list		
		3
Natural Science Elective		
Choose one Gen Ed-approved course with or without a laboratory component		
		3-4
Language		
Choose one course at the intermediate level ²		
		3
Total Credit Hours		12-13

¹ If the student successfully places beyond the second intermediate course, the 13 hours of required language will become free electives.

FREE ELECTIVES

Electives to bring total applicable hours to the minimum total required for the degree.

MAJOR REQUIREMENTS

- Courses required for the major may also fulfill University-Wide General Education Requirements.

Code	Title	Credit Hours
Core		
GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3
GEOG 1113	The Language of Maps	3
GEOG 1123	Introduction to Geohumanities	3
GEOG 3773	Geography of the United States	3
GIS 4013	Fundamentals of Geographic Information Systems	3
GIS 4253	GIS Applications	3
GEOG 4893	Research and Professional Development	3
GEOG 4953	Capstone	3
Remote Sensing		
Choose two of the following:		
GIS 4133	Fundamentals of Remote Sensing	6
GIS 4233	Digital Image Processing	
GIS 4970	Special Topics/Seminar (Remote Sensing)	
Advisor-approved elective		
Statistics		
GEOG 3924		4
GEOG 4313	Interpreting Society and Environment: Qualitative Research Methods	3
Computer Related		
Choose one of the following:		
C.S 1313	Programming for Non-Majors with C	3
METR 1313	Introduction to Programming for Meteorology	
MIS 2113	Computer-Based Information Systems	
MIS 3013	Introduction to Programming	
Applied GIS		
Choose one of the following:		
RCPL 4463	Geographic Information Systems for Land Use Planning	3
Other advisor-approved course		
Total Credit Hours		43

MAJOR SUPPORT REQUIREMENTS

- Courses required for major support may *not* also fulfill University-Wide General Education Requirements.

Code	Title	Credit Hours
Cognate		
Choose 12 hours (to include 6 upper-division hours, 4 courses) in the same area, to be chosen from the following: economics, film & media studies, geography, history, journalism, political science, psychology, regional & city planning, sociology, women's & gender studies, or another advisor-approved area		
		12
Additional Advisor-Approved Electives		
Choose two courses		
		6
Total Credit Hours		18

More information in the catalog: (<http://ou-public.courseleaf.com/atmospheric-geographic-sciences/geography-environmental-sustainability/geographic-information-science-bachelor-arts/>).

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS FOR UNDERGRADUATE DEGREES

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.

Grade Point 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.

SUGGESTED SEMESTER PLAN OF STUDY

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 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.

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
FRESHMAN	ENGL 1113	Principles of English Composition (Core I)	3	ENGL 1213 or EXPO 1213	Principles of English Composition (Core I) or Expository Writing	3
		Beginning Language (Core I)	5		Beginning Language continued (Core I)	5
		Mathematics General Education (Core I) ¹	3	GEOG 1113	The Language of Maps	3
		First Year Experience (Core V)	3	GEOG 1123	Introduction to Geohumanities	3
	CREDIT HOURS		14	CREDIT HOURS		14
SOPHOMORE	GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3		Artistic Forms (Core IV) ¹	3
		Natural Science with lab (Core II) ¹	4		Natural Science (Core II) ¹	3
		General Education Arts & Humanities elective ¹	3		Western Culture (Core IV) ¹	3
		Intermediate Language (College elective)	3		Social Science (Core III) ¹	3
	HIST 1483 or HIST 1493	United States to 1865 (Core IV) or United States, 1865 to the Present	3		General Education Social Science elective ¹	3
CREDIT HOURS		16	CREDIT HOURS		15	
JUNIOR	GEOG 3924		4	GIS 4253	GIS Applications	3
	GIS 4013	Fundamentals of Geographic Information Systems	3	GEOG 3773	Geography of the United States	3
		Computer Related Course Requirement	3		Remote-Sensing Course Requirement	3
		Remote-Sensing Course Requirement	3		Cognate Course ²	3
		World Culture (Core IV) ¹	3	P SC 1113	American Federal Government (Core III)	3
CREDIT HOURS		16	CREDIT HOURS		15	
SENIOR	GEOG 4313	Interpreting Society and Environment: Qualitative Research Methods	3	GEOG 4953	Capstone	3
	RCPL 4463	Geographic Information Systems for Land Use Planning	3		Cognate Course ²	3
		Natural Science Elective ¹	3		Cognate Course ²	3
	GEOG 4893	Research and Professional Development	3		Cognate Course ²	3
		Advisor-Approved Elective	3		Advisor-Approved Elective	3
CREDIT HOURS		15	CREDIT HOURS		15	

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

² Choose 12 hours (to include 6 upper-division hours, 4 courses) in the same area, to be chosen from the following: economics, film & media studies, geography, history, journalism, political science, psychology, regional & city planning, sociology, women's & gender studies, or another advisor-approved area.