

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 2013 through Spring 2014

GENERAL REQUIREMENTS

Total Credit Hours	124
Total Upper-Division Credit Hours	48
Minimum Retention/Graduation Grade Point Averages:	
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 for fulfillment of General Education and College of Atmospheric & Geographic Sciences requirements must be from the approved General Education course list at http://www.ou.edu/enrollment/home/classes_offered/general_education.html.

University-Wide General Education (minimum 40 hours) and College of Atmospheric and Geographic Sciences Requirements
Courses graded P/NP will not apply

Core Area I: Symbolic and Oral Communication (9-19 hours, 3-5 courses)

A. English Composition (6 hours, 2 courses)

1. English 1113, Principles of English Composition
2. English 1213, Principles of English Composition, or EXPO 1213, Expository Writing

B. Foreign Language (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.

1. Beginning Course (0-5 hours) _____
2. Beginning Course, continued (0-5 hours) _____

C. Mathematics (3 hours, 1 course). _____

Core Area II: Natural Science (7 hours, 2 courses) including one laboratory component.

1. _____
2. _____

Core Area III: Social Science (6 hours, 2 courses)

1. Political Science 1113, American Federal Government
2. _____

Core Area IV: Humanities (12 hours, 4 courses)

- a. **Understanding Artistic Forms** (3 hours, 1 course) _____
- b. **Western Civilization and Culture** (6 hours, 2 courses)
 1. History 1483, U.S., 1492-1865, or History 1493, U.S., 1865-Present,
 2. _____ (excluding HIST 1483 and 1493)
- c. **Non-Western Culture** (3 hours, 1 course): _____

Core Area V: Senior Capstone Experience (3 hours, 1 course): _____

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

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.

Humanities: _____

Natural Science Elective (4 hours, 1 course). With or without a laboratory component. To be chosen from the University-Wide General Education Approved List.

Natural Science: _____

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

Intermediate Course (3 hours) _____

Intermediate Course (3 hours) _____

Courses required for the major or major support may not also fulfill University-Wide General Education Requirements

MAJOR REQUIREMENTS	MAJOR SUPPORT REQUIREMENTS
<p>CORE (24 hours, 8 courses)</p> <p>GIS 2013, Geospatial Tech. & Society 3 GIS 2023, Intro. to Spatial Thinking 3 GIS 3023, Research Methods for Geoinformatics 3 GIS 4013, Fundamentals of GIS 3 GIS 4200, GIS Internship 3 GIS 4453, Adv. GIS & Spatial Analysis 3 GIS 4653, Spatial Programming 3 GIS 4953, GIS Capstone 3</p> <p>Remote Sensing (6 hours, 2 courses)</p> <p>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</p> <p>_____ 3 _____ 3</p> <p>Statistics (3 hours, 1 course)</p> <p>ANTH 4713, Statistical 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: Stats.</p> <p>_____ 3 _____ 3</p> <p>Computer-Related (6 hours, 2 courses)</p> <p>MIS 2113, Computer-Based Info. Sys. MIS 3013, Intro. to Programming</p> <p>_____ 3 _____ 3</p>	<p>Additional College Requirements (24 hours)</p> <p>Cognate 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 & city planning, sociology, or another adviser-approved area.</p> <p>_____ 3 _____ 3 _____ 3 _____ 3</p> <p>Additional Adviser-Approved Electives (12 hours)</p> <p>_____ 3 _____ 3 _____ 3 _____ 3</p> <p style="text-align: center;">Free Electives</p> <p>Electives to bring total applicable hours to 124 including 48 upper-division hours.</p>

MAJOR REQUIREMENTS

CORE (24 hours, 8 courses)

- GIS 2013, Geospatial Tech. & Society 3
 GIS 2023, Intro. to Spatial Thinking 3
 GIS 3023, Research Methods for Geoinformatics 3
 GIS 4013, Fundamentals of GIS 3
 GIS 4200, GIS Internship 3
 GIS 4453, Adv. GIS & Spatial Analysis 3
 GIS 4653, Spatial Programming 3
 GIS 4953, GIS Capstone 3

Remote Sensing (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

Statistics (3 hours, 1 course)

- ANTH 4713, Statistical 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: Stats.

Computer-Related (6 hours, 2 courses)

- MIS 2113, Computer-Based Info. Sys.
 MIS 3013, Intro. to Programming

MAJOR SUPPORT REQUIREMENTS

Additional College Requirements (24 hours)

Cognate
 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 & city planning, sociology, or another adviser-approved area.

- _____ 3
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Additional Adviser-Approved Electives (12 hours)

- _____ 3
 _____ 3
 _____ 3
 _____ 3

Free Electives

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

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
FRESHMAN	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
			MIS 2113, Computer-Based Information Systems	3
	TOTAL CREDIT HOURS	14	TOTAL CREDIT HOURS	17
SOPHOMORE	GIS 2013, Geospatial Technologies & Society	3	GIS 2023, Intro. to Spatial Thinking	3-4
	Natural Science with lab (Core II)	4-5	GIS 3023, Research Methods for Geoinformatics	3
	Social Science (Core III)	3	Natural Science (Core II)	3
	Humanities elective	3	Western Civilization & Culture (Core IV)	3
	Intermediate Foreign Language (College elective)	3	Intermediate Foreign Language (College elective)	3
	TOTAL CREDIT HOURS	16-17	TOTAL CREDIT HOURS	15-16
JUNIOR	GIS 3923, Intro. to Statistics for Geoinformatics (Statistics Requirement)	3	GIS 4453, Advanced GIS and Spatial Analysis	3
	GIS 4013, Fundamentals of GIS	3	Remote-Sensing Course Requirement	3
	Remote-Sensing Course Requirement	3	Natural Science Elective	4
	Cognate Course	3	Cognate Course	3
	Non-Western Culture (Core IV)	3	College Elective	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	16
SENIOR	GIS 4653, Spatial Programming	3	GIS 4200, GIS Internship	3
	Cognate Course	3	GIS 4953, GIS Capstone	3
	MIS 3013, Introduction to Programming	3	Cognate Course	3
	College Elective	3	College Elective	3
	College Elective	3	Free Elective	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

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 (3 hours, 1 course)	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	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	MIS 2113, Computer-Based Info. Systems MIS 3013, Intro. to Programming	
Cognate Courses		Additional Adviser-Approved Electives	
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.	
_____		_____	
_____		_____	