REQUIREMENTS FOR THE BACHELOR OF SCIENCE
COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education **Summer 2026 through Spring 2027**

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
Geospatial Science
B487
Bachelor of Science

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

GENERAL EDUCATION AND COLLEGE REQUIREMENTS

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

MINIMUM OF 40 HOURS REQUIRED FOR UNIVERSITY-WIDE GENERAL EDUCATION

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		
English Composition (6 hours)		
ENGL 1113	Principles of English Composition	3
ENGL 1213	Principles of English Composition	3
or EXPO 1213	Expository Writing	
Language (0-10 hours)		
(0-10 hours in the same language) 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
Mathematics (minimum 3 hours)		
Choose one course from the General Education Mathematics list [1]		3
Core Area II: Natural Sciences (7 hours)		
Choose two courses, each from different disciplines, including one with laboratory component. [1]		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 [1]		3
Core Area IV: Arts and Humanities		
Artistic Forms (3 hours)		
Choose one course from the General Education Artistic Forms list [1]		3
Western Culture (6 hours)		
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 & HIST 1493) [1]		3
World Culture (3 hours)		
Choose one course from the General Education World Culture list [1]		3
Core Area V: First Year Experience (3 hours)		
AGSC 1513	Where the Land Meets the Sky [2]	3
Total Credit Hours		**37-47**

1 To be chosen from the University-Wide General Education Approved Course List. Three hours of general education must be upper-division outside of the major.
2 If a student transfers into the program after already taking an approved OU FYE course they will not be required to take AGSC 1513.

FREE ELECTIVES

Electives to bring total applicable hours to 120 including 40 upper-division hours.

MAJOR REQUIREMENTS

A grade of C or better must be earned in each course counted for major credit.

Code	Title	Credit Hours
Core		
GIS 1313	Computers and Programs for Environmental Professionals	3
GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3
GEOG 3023	Principles of Physical Geography	3
GEOG 3213	Principles of Human Geography	3
GEOG 3923	Quantitative Methods	3
GEOG 4893	Research and Professional Development	3
GEOG 4953	Capstone	3
Major Requirements		
GIS 4003	Spatial Data Management for GIS Professionals	3
GIS 4013	Fundamentals of Geographic Information Systems	3
GIS 4133	Fundamentals of Remote Sensing	3
GIS 4253	GIS Applications	3
or GIS 4243	Remote Sensing Applications	
GIS 4453	Advanced GIS and Spatial Analysis	3
or GIS 4233	Digital Image Processing	
GIS 4653	Spatial Programming and GIS	3
GIS 4923	Spatial Statistics	3
Major Electives		
Choose 6 hours of 3000/4000 level GEOG or GIS courses		6
Total Credit Hours		**48**

MAJOR SUPPORT REQUIREMENTS

Courses required for Major Support Requirements may also fulfill University-Wide General Education Requirements.

Code	Title	Credit Hours
MATH 1523	Precalculus and Trigonometry	3
PHYS 2414	General Physics for Life Science Oriented Majors	4
or PHYS 2514	General Physics for Engineering and Science Majors	
Total Credit Hours		**7**

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

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 program academic advisors to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographic Sciences, and Geospatial 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
	AGSC 1513	Where the Land Meets the Sky	3	P SC 1113	American Federal Government (Core III)	3
	MATH 1523	Precalculus and Trigonometry	3		World Culture (Core IV) [1]	3
		Artistic Forms (Core IV) [1]	3		Social Science (Core III) [1]	3
		Free Elective	3		Free Elective	3
		CREDIT HOURS	**15**		**CREDIT HOURS**	**15**
SOPHOMORE	GIS 1313	Computers and Programs for Environmental Professionals	3	HIST 1483 or HIST 1493	United States to 1865 or United States, 1865 to the Present	3
	GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3	PHYS 2414 or PHYS 2514	General Physics for Life Science Oriented Majors or General Physics for Engineering and Science Majors	4
		Beginning Language	5	GIS 4013	Fundamentals of Geographic Information Systems	3
		Free Elective [1]	3		Beginning Language Ctd	5
		CREDIT HOURS	**14**		**CREDIT HOURS**	**15**
JUNIOR	GEOG 3023	Principles of Physical Geography	3	GEOG 3213	Principles of Human Geography	3
	GIS 4133	Fundamentals of Remote Sensing	3	GEOG 3923	Quantitative Methods	3
		Natural Sciences with lab (Core II) [1]	4	GIS 4003	Spatial Data Management for GIS Professionals	3
		Western Culture (Core IV) [1]	3		Free Elective	3
		Free Elective	3		Free Elective	3
		CREDIT HOURS	**16**		**CREDIT HOURS**	**15**
SENIOR	GEOG 4893	Research and Professional Development	3	GEOG 4953	Capstone	3
	GIS 4253 or GIS 4243	GIS Applications or Remote Sensing Applications	3	GIS 4453 or GIS 4233	Advanced GIS and Spatial Analysis or Digital Image Processing	3
	GIS 4653	Spatial Programming and GIS	3		Major Elective [2]	3
	GIS 4923	Spatial Statistics	3		Free Elective	3
		Major Elective [2]	3		Free 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 6 hours (2 courses) of 3000-4000 level GIS or GEOG courses