

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

Academic Year	General Requirements	Program
For Students Entering the Oklahoma State System for Higher Education Summer 2024 through Spring 2025	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	Geography B465 Bachelor of Science
OU encourages students to complete at least 30 hours of applicable coursework each year to have the opportunity to graduate in 4 years.		

Minimum Total Credit Hours: 120
Minimum Upper-Division Hours: 40

Overall GPA - Combined and OU: 2.25
Major GPA - Combined and OU: 2.25

Program Code: B465

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/gedned/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 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
<i>Mathematics (minimum 3 hours)</i>		
MATH 1743	Calculus I for Business, Life and Social Sciences 1, 2	3
or MATH 1823	Calculus and Analytic Geometry I	
Core Area II: Natural Science (minimum 7 hours)		
CHEM 1315	General Chemistry (Science with Lab) ¹	5
PHYS 2414	General Physics for Life Science Oriented Majors ¹	4
or PHYS 2514	General Physics for Engineering and Science Majors	
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 (6 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 & HIST 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	39-49

¹ College of Atmospheric and Geographic Sciences requirements.
² MATH 1914 will also fulfill the College's calculus requirement.

ADDITIONAL COLLEGE BACHELOR OF SCIENCE REQUIREMENTS

Code	Title	Credit Hours
PHYS 2424	General Physics for Life Science Oriented Majors	4
or PHYS 2524	General Physics for Engineering and Science Majors	
Total Credit Hours		4

Free Electives

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

Major Requirements

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

Code	Title	Credit Hours
Required Courses		
GEOG 1113	The Language of Maps	3
or GIS 2023	Introduction to Spatial Thinking and Computer Mapping	
GEOG 3023	Principles of Physical Geography	3
GEOG 3213	Principles of Human Geography	3
GEOG 3243	Principles of Economic Geography	3
GEOG 3924		4
GEOG 4893	Research and Professional Development	3
GEOG 4953	Capstone	3
Regional Geography		
GEOG 3773	Geography of the United States	3
Choose 3 hours from the following:		3
GEOG 3223		
GEOG 4243		
GEOG 4853		
Geographic Information Science		
GIS 4133	Fundamentals of Remote Sensing	3
or GIS 4013	Fundamentals of Geographic Information Systems	
Electives		
Choose 6 hours of Geography electives		6
Computer-Related		
Choose 3 hours from the following:		3
C S 1213	Programming for Non-Majors with Python	
C S 1313	Programming for Non-Majors with C	
METR 1313	Introduction to Programming for Meteorology	
MIS 2113	Computer-Based Information Systems	
Total Credit Hours		40

Major Support Requirements

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

Code	Title	Credit Hours
Science Electives		
Choose a minimum of 9 hours of faculty advisor approved electives chosen from: biological science, chemistry, computer science, mathematics, physics, engineering, or geosciences courses outside the major. At least six hours must be completed at the upper-division level (3000-4000 level)		9
CHEM 1415	General Chemistry (Continued)	5
Total Credit Hours		14

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

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 Department of Geography and Environmental Sustainability academic advisors to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographic Sciences, and Geography 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
	CHEM 1315	General Chemistry (Core II)	5	HIST 1483 or HIST 1493	United States to 1865 or United States, 1865 to the Present	3
	MATH 1823 or MATH 1743	Calculus and Analytic Geometry I or Calculus I for Business, Life and Social Sciences	3	CHEM 1415	General Chemistry (Continued)	5
		First Year Experience (Core V)	3	GEOG 1113 or GIS 2023	The Language of Maps or Introduction to Spatial Thinking and Computer Mapping	3
	CREDIT HOURS		14	CREDIT HOURS		14
SOPHOMORE	PHYS 2414 or PHYS 2514	General Physics for Life Science Oriented Majors or General Physics for Engineering and Science Majors	4	GEOG 3023	Principles of Physical Geography	3
	P SC 1113	American Federal Government (Core III)	3		Computer-Related Major Requirement	3
	GEOG	Major Elective	3	PHYS 2424 or PHYS 2524	General Physics for Life Science Oriented Majors or General Physics for Engineering and Science Majors	4
		Free Elective	3		General Educ. Western Culture Elective (Core IV) ¹	3
		General Education Social Science (Core III) ¹	3		Free Elective	3
	CREDIT HOURS		16	CREDIT HOURS		16
JUNIOR	GEOG 3924		4	GEOG 3243	Principles of Economic Geography	3
		General Education World Culture (Core IV) ¹	3	GEOG 3773	Geography of the United States	3
	GEOG 3213	Principles of Human Geography	3		Major Support Science Elective ²	3
	GIS 4013 or GIS 4133	Fundamentals of Geographic Information Systems or Fundamentals of Remote Sensing	3		General Education Artistic Forms (Core IV) ¹	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
		GEOG Regional Geography Course	3		Major Support Science Elective ²	3
		GEOG Elective	3		Free Elective	3
		Major Support Science Elective ²	3		Free Elective	3
		Free Elective	3		Free Elective	2
	CREDIT HOURS		15	CREDIT HOURS		14

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 a minimum of 9 hours of faculty advisor approved electives chosen from: biological science, chemistry, computer science, mathematics, physics, engineering, or geosciences courses outside the major. At least six hours must be completed at the upper-division level (3000-4000 level).

Note: No more than 52 hours of Geography coursework may be taken to fulfill the 120 minimum total credit hours required.