

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 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
Environmental Sustainability
B410
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.

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**

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, 2 courses)		
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 and 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
GEOG 1114	Physical Geography	4
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
Core		
GEOG 1203	Global Environmental Issues	3
GEOG 2021	Exploring DGES	1
GEOG 3233	Principles of Sustainability	3
GEOG 3443	Environment and Society	3
GEOG 3923	Quantitative Methods	3
GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3
GEOG 4523	Life Cycle Analysis	3
GEOG 4893	Research and Professional Development	3
GEOG 4953	Capstone	3
Computer-Related		
GIS 1313	Computers and Programs for Environmental Professionals	3
Major Electives		
Choose two of the following:		6
GEOG 3043	Living With Nature	
GEOG 3523	Managing for a Changing Climate	
GEOG 3843	Gender and Environment	
GEOG 4033	Human Impact on the Earth	
GEOG 4123	Cities and Society	
GEOG 4423	Environmental Justice	
GEOG 4583	Energy Systems and Sustainability	
GEOG 4653	Urban Sustainability: Nature, Justice, and the City	
GEOG 4663	Water and Society	
Concentrations		
Choose a minimum of 9 hours, including at least 6 hours of GEOG courses, from one of the following concentrations (approved course lists maintained by the department):		9
Culture and Society (P161)		
Planning and Management (P516)		
Science and Natural Resources (P591)		
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
Upper-Division Science Electives		
Choose a minimum of 15 hours of 3000-4000-level courses to be chosen from a list of approved courses maintained by the department.		15
Total Credit Hours		15

More information in the catalog: (<http://ou-public.courseleaf.com/atmospheric-geographic-sciences/geography-environmental-sustainability/environmental-sustainability-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 checklist for official requirements. Students must consult with College of Atmospheric and Geographic Sciences and/or Department of Geography academic advisors 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
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
	GEOG 1203	Global Environmental Issues (Core III)	3	P SC 1113	American Federal Government (Core III)	3
	MATH 1823 or MATH 1743	Calculus and Analytic Geometry I or Calculus I for Business, Life and Social Sciences	3	GEOG 1114	Physical Geography	4
		General Education: Western Culture (Core IV) ¹	3		General Education: Artistic Forms (Core IV) ¹	3
		First Year Experience (Core V)	3		Free Elective	3
		CREDIT HOURS	15		CREDIT HOURS	16
SOPHOMORE	GEOG 2021	Exploring DGES	1	PHYS 2414 or PHYS 2514	General Physics for Life Science Oriented Majors or General Physics for Engineering and Science Majors	4
	CHEM 1315	General Chemistry	5	GEOG 3443	Environment and Society	3
	GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3	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		Free Elective	4
		Free Elective	3			
	CREDIT HOURS	15		CREDIT HOURS	14	
JUNIOR	GEOG 3233	Principles of Sustainability	3	GEOG 3923	Quantitative Methods	3
		Concentration Elective ²	3	GEOG 4523	Life Cycle Analysis	3
		Science Elective ³	3		Major Elective	3
		Science Elective ³	3		Science Elective ³	3
		Elective	3		Science Elective ³	3
	CREDIT HOURS	15		CREDIT HOURS	15	
SENIOR	GEOG 4893	Research and Professional Development	3	GEOG 4953	Capstone	3
		Major Elective	3		Concentration Elective ²	3
		Concentration Elective ²	3		Science Elective ³	3
		General Education: World Culture (Core IV) ¹	3		Free Elective	3
		Free Elective	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 A minimum of 9 hours, including at least 6 hours of GEOG courses, to be chosen from approved course lists in one of the following concentrations: Culture and Society, Planning and Management, or Science and Natural Resources.

³ A minimum of 15 hours of 3000-4000 -level courses to be chosen from the approved list of courses maintained by the department.