

ENVIRONMENTAL SUSTAINABILITY: CULTURE & SOCIETY, BACHELOR OF SCIENCE IN ENVIRONMENTAL SUSTAINABILITY

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: B410 P161

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

Major Requirements

Code	Title	Credit Hours
Core		
GEOG 1203	Global Environmental Issues	3
GEOG 3233	Principles of Sustainability	3
GEOG 3443	Environment and Society	3
GEOG 3773	Geography of the United States	3
GEOG 3924	Quantitative Methods	4
GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3
GEOG 4523	Life Cycle Analysis	3
GEOG 4893	Research Methods and Professional Development	3
GEOG 4953	Capstone	3
Culture & Society		
Choose a minimum of 12 hours (p. 1)		12
Total Credit Hours		40

Major Support Requirements

Additional College Requirements

Code	Title	Credit Hours
Upper-Division Science Electives		
Choose a minimum of 15 hours of 3000-4000-level courses to be chosen from chemistry, computer science, engineering, geology, geophysics, mathematics, management information systems, meteorology, or physics; or statistics courses from microbiology, plant biology, political science, psychology, or sociology		15
Total Credit Hours		15

Culture & Society

A minimum of 12 hours, to be chosen from the following courses or other advisor-approved courses, with no more than two courses from one department.

Code	Title	Credit Hours
ANTH 4303	Women and Development in Africa	3
ARCH 4363	Sustainability: Ethics, Efficiency, Community & Design	3
GEOG 3203		3
GEOG 3253	Environmental Conservation	3
GEOG 3563	Geography of Natural Resources	3
GEOG 3843	Gender and Environment	3
GEOG 4200	Internship in Geography	1-6
GEOG 4573	Indigenous Peoples and Resources	3
GEOG 4583	Renewable Energy Resources	3
HSCI 3483	Technology, Politics, and International Development	3
IAS 3323	The Political Economy of Development	3
NPNG 3033	Fundamentals of Nonprofit Management II	3
SOC 3643	Population and Society	3

General Education and College Requirements

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/content/gened/courses.html>.

University-Wide General Education (minimum 40 hours) and College of Atmospheric and Geographic Sciences Requirements

Courses graded P/NP will not apply

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>Foreign Language (0-10 hours)</i>		
(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		
Beginning Course		0-5
Beginning Course, continued		0-5
<i>Mathematics (minimum 3 hours)</i>		
MATH 1914	Differential and Integral Calculus I ¹	4
Core Area II: Natural Science (minimum 7 hours, 2 courses)		
CHEM 1315	General Chemistry (Science with Lab) ¹	5
PHYS 2514	General Physics for Engineering and Science Majors (Science without Lab) ¹	4
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: Humanities		
<i>Understanding Artistic Forms (3 hours)</i>		
Choose one course from the General Education Artistic Forms list.		3
<i>Western Civilization and Culture (6 hours)</i>		
HIST 1483	United States, 1492 to 1865	3
or HIST 1493	United States, 1865 to the Present	
Choose one course from the General Education Western Civilization & Culture list ²		3
<i>Non-Western Culture (3 hours)</i>		
Choose one course from the General Education Non-Western Culture list		3
Core Area V: Senior Capstone Experience		
3 hours required, fulfilled in Major Requirements		3
Total Credit Hours		40-50

¹ College of Atmospheric and Geographic Sciences requirements.

² Excluding HIST 1483 and HIST 1493.

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 Science Requirements

Code	Title	Credit Hours
MATH 2924	Differential and Integral Calculus II ¹	4
PHYS 2524	General Physics for Engineering and Science Majors	4
C S 1313	Programming for Non-Majors with C	3
or METR 1313	Introduction to Programming for Meteorology	
Total Credit Hours		11

¹ MATH 1823, MATH 2423, and MATH 2433 will also fulfill the College's calculus requirement.

Free Electives

Electives to bring total applicable hours to the minimum total required for the degree including 40 upper-division hours.

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.

Course	Title	Credit Hours
Freshman		
First Semester		
ENGL 1113	Principles of English Composition (Core I)	3
HIST 1483 or HIST 1493	United States, 1492 to 1865 (Core IV) or United States, 1865 to the Present	3
GEOG 1203	Global Environmental Issues (Core III)	3
MATH 1914	Differential and Integral Calculus I (Core I)	4
Elective		2
Credit Hours		15
Second Semester		
ENGL 1213 or EXPO 1213	Principles of English Composition (Core I) or Expository Writing	3
P SC 1113	American Federal Government (Core III)	3
MATH 2924	Differential and Integral Calculus II	4
CHEM 1315	General Chemistry (Core II)	5
Credit Hours		15
Sophomore		
First Semester		
C S 1313 or METR 1313	Programming for Non-Majors with C or Introduction to Programming for Meteorology	3
PHYS 2514	General Physics for Engineering and Science Majors (Core II)	4
GIS 2023	Introduction to Spatial Thinking and Computer Mapping	3
General Education Western Civ. & Culture (Core IV) ¹		3
Free Elective		3
Credit Hours		16
Second Semester		
PHYS 2524	General Physics for Engineering and Science Majors	4

GEOG 3924	Quantitative Methods	4
General Education Understanding Artistic Forms (Core IV) ¹		3
Free Elective		3
Credit Hours		14

Junior**First Semester**

GEOG 3233	Principles of Sustainability	3
Culture & Society Concentration Elective ²		3
Science Elective ³		3
Science Elective ³		3
Elective		3
Credit Hours		15

Second Semester

GEOG 3443	Environment and Society	3
GEOG 4523	Life Cycle Analysis	3
Culture & Society Concentration Elective ²		3
Science Elective ³		3
Science Elective ³		3
Credit Hours		15

Senior**First Semester**

GEOG 3773	Geography of the United States	3
GEOG 4893	Research Methods and Professional Development	3
Culture & Society Concentration Elective ²		3
General Education Non-Western Culture (Core IV) ¹		3
Free Elective		3
Credit Hours		15

Second Semester

GEOG 4953	Capstone	3
Culture & Society Concentration Elective ²		3
Science Elective ³		3
Elective		3
Elective		3
Credit Hours		15

Total Credit Hours		120
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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 12 hours, to be chosen from the following **concentration**, with no more than two courses from one department:
Culture and Society: ANTH 4303; ARCH 4363; NPNG 3033; GEOG 3203, GEOG 3253, GEOG 3563, GEOG 3843, GEOG 4200, GEOG 4573, GEOG 4583; HSCI 3483; IAS 3323; SOC 3643.

³ A minimum of 15 hours of 3000-4000 -level courses to be chosen from chemistry, computer science, engineering, geology, geophysics, mathematics, management information systems, meteorology, or physics; or statistics courses from microbiology, plant biology, political science, psychology, or sociology.