

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

For Students Entering the
Oklahoma State System for
Higher Education:

**Summer 2012 through
Spring 2013**

GENERAL REQUIREMENTS

Total Credit Hours. **126***
 Total Upper-Division Credit Hours 48
Minimum Retention/Graduation Grade Point Averages:
 Minimum in OU Coursework 2.00
 Minimum in Major Coursework – Combined and OU 2.00
 Overall – Combined and OU 2.00

Geography

B465
 Bachelor of Science in
 Geography

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). ***MATH 1823**, Calculus & Analytic Geometry I

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

1. **Science with Lab: *CHEM 1315**, General Chemistry
2. **Science without Lab: *PHYS 2514**, General Physics for Engr. & Science Majors

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.

* College of Atmospheric and Geographic Sciences requirements

**Additional College of Atmospheric and Geographic Sciences
Bachelor of Science Requirements:**

1. **MATH 2423**, Calculus & Analytic Geometry II (carries General Educ. credit)
2. **MATH 2433**, Calculus & Analytic Geometry III
3. **MATH 2443**, Calculus & Analytic Geometry IV
4. **PHYS 2524**, General Physics for Engr. & Science Majors
5. **C S 1313**, Programming for Non-Majors

MATH 1914, 2924, and 2934 will also fulfill the College's calculus requirement.

**Courses required for the major or major support may also
fulfill University-Wide General Education Requirements**

MAJOR REQUIREMENTS

(31 hours, 10 courses)

- | | | |
|---|---|--|
| GEOG 1113, The Language of Maps, or
GEOG 2453, Intro. to Computer Mapping
& Analysis | 3 | |
| GEOG 3023, Principles of Physical
Geography | 3 | |
| GEOG 3213, Principles of Human
Geography | 3 | |
| GEOG 3243, Principles of Economic
Geography | 3 | |
| GEOG 3924, Analytic Methods in
Geography | 3 | |
| GEOG 4893, Research Methods &
Professional Development | 3 | |
| GEOG 4953, Proseminar in Geography
(Capstone) | 3 | |

One course in Geographic Information
Science chosen from the following:

- | | | |
|--|--|--|
| GEOG 4133, Fundamentals of Remote
Sensing | | |
| GIS 4353, Survey of Geospatial
Information Technologies | | |
| GEOG 4453, Geographic Information
Systems | | |

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Six hours of Geography electives:

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MAJOR SUPPORT REQUIREMENTS

Science Electives

A minimum of nine hours of faculty
adviser approved electives chosen from:
biologic 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).

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ENGL 3153, Technical Writing 3

CHEM 1415, General Chemistry II 5

Free Electives

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

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

TOTAL HOURS: A minimum of 126 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 2.00 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 Science in Geography (B465)

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 an academic advisers in the Department of Geography and Environmental Sustainability 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, Principles of English Composition (Core I), or EXPO 1213, Expository Writing (Core I)	3
	CHEM 1315, General Chemistry (Core II)	5		
	HIST 1483, United States 1492-1865, or 1493, United States 1865-Present (Core IV)	3	MATH 2423, Calculus & Analytic Geometry II	3
	MATH 1823, Calculus & Analytic Geometry I (Core I)	3	CHEM 1415, General Chemistry	5
	Elective	3	¹ Elective	4
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	15
SOPHOMORE	MATH 2433, Calculus & Analytic Geometry III	3	MATH 2443, Calculus & Analytic Geometry IV	3
	P SC 1113, American Federal Government (Core III)	3	PHYS 2524, General Physics for Engineering & Science Majors	4
	PHYS 2514, General Physics for Engineering & Science Majors	4	CS 1313, Computer Programming	3
	¹ General Education Social Science (Core III)	3	¹ General Educ. Western Civilization & Culture Elective (Core IV)	3
	GEOG 1113, The Language of Maps, or	3	GEOG 3023, Principles of Physical Geography	3
	GEOG 2453, Intro. to Computer Mapping and Analysis	3		
	Free Elective	1		
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	16
JUNIOR	ENGL 3153, Technical Writing	3	³ Science Elective	3
	GEOG 3924, Analytic Methods in Geography	4	¹ General Education Understanding Artistic Forms (Core IV)	3
	¹ General Education Non-Western Culture (Core IV)	3	GEOG 3243, Principles of Economic Geography	3
	GEOG 3213, Principles of Human Geography	3	³ GEOG Elective	3
	² GEOG Geographical Information Science Course	3	² Free Elective	3
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	15
SENIOR	³ Science Elective	3	³ Science Elective	3
	Free Elective	3	Free Elective	3
	Free Elective	3	Free Elective	3
	GEOG 4893, Research Methods & Professional Development	3	Free Elective	3
	GEOG Elective	3	GEOG 4953, Proseminar (Capstone)	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.

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 = One Geographical Information Science course (3 credit hours) chosen from 4133, 4353, or 4453 (or course approved by faculty adviser).

³ = A minimum of nine hours of faculty-adviser-approved courses in biological science, chemistry, computer science, mathematics, physics, engineering, or geosciences science courses outside the major. Six hours must be upper-division.

NOTE: No more than 52 hours of Geography coursework may be taken to fulfill the 126 minimum total credit hours required.