

GEOGRAPHY, BACHELOR OF SCIENCE

Students who wish more concentrated applications in geography may choose an optional concentration of either Geographic Information Systems or Travel and Tourism. The specific course requirements for these concentrations may also be used to satisfy the major requirements where the overlap of course options occurs.

Geography, Bachelor of Science Requirements

Code	Title	Credits
GENERAL EDUCATION REQUIREMENTS - 46 Hours Required		
Minimum of "C-" required		
Fundamental Academic Skills		15
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	ENGLISH COMPOSITION II	
ENGL 3050	WRITING FOR THE WORKPLACE	
or ENGL 3980	TECHNICAL WRITING ACROSS THE DISCIPLINES	
(Or another advisor-approved Writing in the Discipline course)		
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1100	DATA LITERACY AND VISUALIZATION	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
or STAT 1100	DATA LITERACY AND VISUALIZATION	
or STAT 1530	ELEMENTARY STATISTICS	
Distribution Requirements		31
Natural Science - From two disciplines and at least one lab - 7 hrs		
Social Science - From two disciplines - 9 hrs		
Humanities and Fine Arts - From two disciplines- 9 hrs		
Global Diversity - 3 hrs		
US Diversity - 3 hrs		
MAJOR REQUIREMENTS		
**Course will satisfy UNO's General Education requirement		
^Course requires pre-requisite(s)		
Geography Major - 39-40 Hours Required		
Required Coursework		24
GEOG 1000	WORLD REGIONAL GEOGRAPHY (**)	
GEOG 1020	INTRODUCTION TO HUMAN GEOGRAPHY (**)	
GEOG 1030	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY (**)	
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY (^)	
GEOG 3530	CARTOGRAPHY AND DATA VISUALIZATION	

GEOG 4620	GEOGRAPHICAL FIELD STUDIES (Can also apply to the upper-level Global or North American category, depending on the field study destination) ¹
STAT 1530	ELEMENTARY STATISTICS (^)
1 Geographical Field Studies Requirement	
Optional method of completing GEOG 4620: Students who have completed study abroad, or military service for more than six months outside the USA can complete the course without going on the multiple day field trip. Contact the department for the details regarding this alternative method.	
Geography diversity requirements	
Select a minimum of one course from each of the groups of Geography Diversity courses below	15-16
Physical Geography	
GEOG 3440	NEBRASKA NATURAL RESOURCES MANAGMENT (^)
GEOG 3510 & GEOG 3514	METEOROLOGY and INTRODUCTION TO METEOROLOGY LABORATORY (** ^)
GEOG 4010	CONSERVATION OF NATURAL RESOURCES
GEOG/BIOL/GEOL 4100	BIOGEOGRAPHY (^)
GEOG 4260	PROCESS GEOMORPHOLOGY
GEOG 4320	CLIMATOLOGY
GEOG 4330	SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION
GEOG 4340	WATER RESOURCES
GEOG 4350	GLOBAL CLIMATE CHANGE
GEOG/ENVN/GEOL/BIOL 4610	ENVIRONMENTAL MONITORING AND ASSESSMENT
GEOG 4640	CRITICAL ZONE SCIENCE
Human Geography	
GEOG 3040	HEALTH & MEDICAL GEOGRAPHY
GEOG/ECON 3130	ECONOMIC GEOGRAPHY
GEOG 3440	NEBRASKA NATURAL RESOURCES MANAGMENT (^)
GEOG 3930	POLITICAL GEOGRAPHY
GEOG 4010	CONSERVATION OF NATURAL RESOURCES
GEOG 4120	URBAN GEOGRAPHY
GEOG/WGST 4150	GEOGRAPHY, GENDER AND ENTREPRENEURSHIP (^)
GEOG 4160	URBAN SUSTAINABILITY (^)
GEOG 4170	ADVANCED CULTURAL GEOGRAPHY
GEOG 4550	GEOGRAPHY OF ECONOMIC GLOBALIZATION
GEOG/PA/BIOL/ENVN 4820	INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS (^)
Global Perspectives	
GEOG 3000	TRAVEL STUDY IN GEOGRAPHY
GEOG 3030	GEOGRAPHY OF AFRICA (^)
GEOG 3030	GEOGRAPHY OF AFRICA (^)
GEOG 3050	GEOGRAPHY IN FILM (^)
GEOG 3070	GEOGRAPHY OF LATIN AMERICA (^)
GEOG 3080	EAST & SOUTHEAST ASIA (^)
GEOG 3230	GEOGRAPHY OF EUROPE (^)
GEOG 3240	GEOGRAPHY OF RUSSIA AND ITS NEIGHBORS (^)

North American Perspectives

GEOG 3330	UNITED STATES & CANADA (^)
GEOG 4230	GREAT PLAINS & NEBRASKA
GEOG 4530	HISTORICAL GEOGRAPHY OF THE UNITED STATES (^)

Geospatial Science

GEOG 2620	AERIAL PHOTOGRAPHIC INTERPRETATION
GEOG 4020	SPATIAL ANALYSIS IN GEOGRAPHY
GEOG 4030	COMPUTER MAPPING AND VISUALIZATION (^)
GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I (^)
GEOG 4630	ENVIRONMENTAL REMOTE SENSING (^)
GEOG 4660	GEOGRAPHIC INFORMATION SYSTEMS II (^)

College Breadth (choose one option) 15-30+

Option 1: Complete any UNO minor or undergraduate certificate - 15+ hours

Option 2: Additional General Education Requirements - 19+ hours

Additional quantitative literacy - 3 hours

Additional Social Science Gen. Ed. from 3rd Discipline - 3 hours

Additional Humanities Gen. Ed. from 3rd Discipline - 3 hours

HIST 1000 and HIST 1010 - 6 hours

Additional Nat. and Physical Science w/ Lab - 4-5 hours

Option 3: CAS comprehensive major (50+ hours) OR any second UNO major (30+ hours)

Bachelor of Science Cognate Requirement 15

Select six credit hours of approved computer science coursework as determined by major advisor and 9 credit hours of coursework complementary to the major and chosen in consultation with a departmental adviser.

ELECTIVES

Elective hours as required to reach a total of 120 hours

**Geography, Bachelor of Science
Optional Concentrations**

Geography majors have the option to declare a concentration, if they wish. Concentrations are at least 15 credits, and are allowed to overlap with the major requirements, but not BS cognate coursework, where applicable.

- Geographic Information Science and Technology Concentration (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/geography/geography-bs/geography-info-sci-tech-conc/>)
- Travel and Tourism Concentration (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/geography/geography-bs/travel-tourism-conc/>)
- Physical Geography Concentration (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/geography/geography-bs/physical-geography-conc/>)

**Geography, Bachelor of Science
Four Year Plan**

Freshman

Fall		Credits
GEOG 1020	INTRODUCTION TO HUMAN GEOGRAPHY (*)	3

GEOG 1030	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY	4
ENGL 1150	ENGLISH COMPOSITION I (**)	3
Humanity & Fine Arts Course		3
MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	4
*GEOG 1020 is a social science and global diversity in addition to being a major course.		
**ENGL 1150: Requires appropriate placement.		

Credits 17

Spring

GEOG 1000	WORLD REGIONAL GEOGRAPHY (*)	3
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	4
ENGL 1160	ENGLISH COMPOSITION II (**)	3
CMST 1110	PUBLIC SPEAKING FUNDS	3
or CMST 2120	or ARGUMENTATION AND DEBATE	
STAT 1530	ELEMENTARY STATISTICS (***)	3
*GEOG 1000 is a social science and global diversity as well as a major course.		
**ENGL 1160: Requires ENGL 1150 with grade of C- or better or placement.		
***STAT 1530: Requires appropriate placement.		

Credits 16

Sophomore

Fall

Humanities/Fine Arts/US Diversity Course		3
Natural/Physical Science Course*		3
CSCI 1200	COMPUTER SCIENCE PRINCIPLES (**)	3
or CIST 1300	or INTRODUCTION TO WEB DEVELOPMENT	
Elective Course		3
BS COGNATE COURSE***		3
*Must not be Geography		
**CSCI 1200 or CIST 1300: Requires MATH 1120 or MATH 1130 or MATH 1220 or MATH 1300 or equivalent with C- or better.		
***COGNATE COURSE: Multiple options exist, depending on whether a concentration is chosen. Please see catalog and refer to your advisor for options.		

Credits 15

Spring

GEOG 3530	CARTOGRAPHY AND DATA VISUALIZATION (*)	4
CIST 1400	INTRODUCTION TO COMPUTER SCIENCE I (**)	3
HIST 1000 or Minor/2nd Major Course***		3
Social Science^		3
Humanities/Fine Arts course#		3
*GEOG 3530: Requires GEOG 1000 or 1020 and GEOG 1030 or GEOG 1050		
**CIST 1400: Requires MATH 1300 or 1320, and either CSCI 1200 or CSCI 1280 or CSCI 1300 with C- or better. More options may exist for the computer science requirement. Please see a major advisor.		
***CAS College Requirement Option		
^Social Science must not be Geography		
#HFA must come from 2nd discipline		

Credits 16

Junior
Fall

HIST 1010 or Minor/2nd Major Course*	3
Physical Geography Elective	3-4
Global Perspectives Geography Elective	3
Cognate Course	3
Elective**	

*CAS College Requirement

**Students need a minimum of 27 upper level credits throughout the entire degree, with at least 22 credits of upper level Geography credits taken within the major.

Credits 12-13

Spring

Human Geography Elective	3
Humanity/Fine Arts course for A&S or Minor/ 2nd Major Course*	3
Cognate Course	3
ENGL 3050 or ENGL 3980	3
WRITING FOR THE WORKPLACE (**) or TECHNICAL WRITING ACROSS THE DISCIPLINES	
Elective	3

*CAS College Requirement Option. HFA must come from 3rd discipline.

**ENGL 3050 or 3980: Requires ENGL 1160 with grade of C- or better or placement via AP or EPPE.

Note: Students need a minimum of 27 upper level credits throughout the entire degree, with at least 22 credits of upper level Geography coursework taken within the major

Credits 15

Senior
Fall

North American Perspectives Geography Course	3
Geospatial Science Course*	3-4
Social Science for A&S or Minor/2nd Major Course**	3
Cognate Course or Elective	3
Elective***	3

*Geospatial: This list includes a lower-level course among upper-level options. Minimum upper-level Geography credits within the major must total 22.

**CAS College Requirement Option. Social Science must be from a 3rd discipline.

***Students need a minimum of 27 upper level credits throughout the entire degree, with at least 22 credits of upper level Geography coursework taken within the major.

Credits 15-16

Spring

GEOG 4620	GEOGRAPHICAL FIELD STUDIES (*)	3
Elective		3
Elective		3
Elective		3
Elective		2

*GEOG 4620: Requires instructor permission.

Credits 14

Total Credits 120-122

sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change

Additional Information About this Plan:

University Degree Requirements: The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year.

Placement Exams: For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at <https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php>

**Transfer credit or placement exam scores may change suggested plan of study

GPA Requirements: 2.0

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual