GEOGRAPHY, BACHELOR OF SCIENCE

Students pursuing the Bachelor of Science degree may choose an optional concentration in one of the following areas: Geographic Information Science and Technology, Travel and Tourism, or Physical Geography. Where course options overlap, credits may count toward both the concentration and the major requirements.

Geography, Bachelor of Science Requirements

Code	Title	Credits
GENERAL EDUCATION (MavEd) REQUIREMENTS - 34 Hours Required		
Minimum of "C-"required		
Fundamental Skills		**15**
Writing – 6 hrs.		
ENGL 1150	ENGLISH COMPOSITION I	
or ENGL 1140	ENGLISH COMPOSITION I WITH SUPPORT	
ENGL 1160	ENGLISH COMPOSITION II	
Oral Communication – 3 hrs.		
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
Quantitative Literacy – 3 hrs.		
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
or MATH 1320	COLLEGE ALGEBRA	
Data Literacy – 3 hrs.		
Select one from the following:		
BSAD 1030	DATA LITERACY FOR WORK AND LIFE	
ISQA 1100	DATA AND INFORMATION LITERACY	
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
Until Fall 2028, students can satisfy this requirement with an approved data literacy course, or any approved natural or social science general education (MavEd) course.		
Breadth of Knowledge		**13**
Social Science – 3 hrs.		
Humanities – 3 hrs.		
Natural & Physical Science (must complete a lab) – 4 hrs.		
Arts – 3 hrs.		
Individual and Social Responsibility		**6**
Cultural Knowledge – 3 hrs.		
Civic Knowledge and Engagement – 3 hrs.		
MAJOR REQUIREMENTS		
**Course will satisfy UNO's General Education (MavEd) 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 (15 credits minimum)		
Choose at least one course in Physical Geography		**3-4**
GEOG 3440	NEBRASKA NATURAL RESOURCES MANAGMENT (^)	
GEOG 3510 & GEOG 3514	METEOROLOGY and INTRODUCTION TO METEOROLOGY LABORATORY (** ^)	
GEOG 4010	CONSERVATION OF NATURAL RESOURCES	
GEOG/GEOL 4040	GEOARCHAEOLOGY	
GEOG/BIOL/GEOL 4100	BIOGEOGRAPHY (^)	
GEOG/GEOL 4200	WATER QUALITY (^)	
GEOG/GEOL 4260	PROCESS GEOMORPHOLOGY (^)	
GEOG 4320	CLIMATOLOGY (^)	
GEOG/GEOL 4330	SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION	
GEOG 4340	WATER RESOURCES	
GEOG/ENVN 4350	GLOBAL CLIMATE CHANGE	
GEOG/ENVN/ GEOL/BIOL 4610	ENVIRONMENTAL MONITORING AND ASSESSMENT	
GEOG/GEOL 4640	CRITICAL ZONE SCIENCE	
Choose at least one course in Human Geography		**3**
GEOG 3020	HEALTH & MEDICAL GEOGRAPHY	
GEOG/ECON 3130	ECONOMIC GEOGRAPHY	
GEOG 3440	NEBRASKA NATURAL RESOURCES MANAGMENT (^)	
GEOG 4010	CONSERVATION OF NATURAL RESOURCES	
GEOG 4120	URBAN GEOGRAPHY	
GEOG 4130	POLITICAL GEOGRAPHY	
GEOG/WGST/ ENTR 4150	GEOGRAPHY, GENDER AND ENTREPRENEURSHIP (^)	
GEOG 4160	URBAN SUSTAINABILITY (^)	
GEOG 4170	ADVANCED CULTURAL GEOGRAPHY	
GEOG/WGST 4210	GEOGRAPHIES OF SEXUALITIES	
GEOG 4550	GEOGRAPHY OF THE WORLD ECONOMY	
GEOG/ENVN/BIOL 4820	INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS (^)	
Choose at least one course in Global Perspectives		**3**

GEOG 3000	TRAVEL STUDY IN GEOGRAPHY	
GEOG/BLST 3030	GEOGRAPHY OF AFRICA (^)	
GEOG 3050	GEOGRAPHY IN FILM (^)	
GEOG/LLS 3070	GEOGRAPHY OF LATIN AMERICA (^)	
GEOG 3080	EAST & SOUTHEAST ASIA (^)	
GEOG 3230	GEOGRAPHY OF EUROPE (^)	
GEOG 3240	GEOGRAPHY OF RUSSIA AND ITS NEIGHBORS (^)	
Choose at least one course in North American Perspectives		**3**
GEOG 3330	UNITED STATES & CANADA (^)	
GEOG 4230	GREAT PLAINS & NEBRASKA	
GEOG 4530	HISTORICAL GEOGRAPHY OF THE UNITED STATES (^)	
Choose at least one course in Geospatial Science		**3**
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 (MavEd) Requirements - 18+ hours		
Additional quantitative literacy - 3 hours		
Additional Social Science Gen. Ed. (MavEd) from another Discipline - 3 hours		
Additional Humanities Gen. Ed. (MavEd) from another Discipline - 3 hours		
HIST 1000 and HIST 1010 - 6 hurs		
Additional Nat. and Physical Science w/ or without Lab - 3-5 hours		
Option 3: CAS comprehensive major (50+ hours) OR any second UNO major (30+ hours)		
Bachelor of Science Cognate Requirement		**15**
In consultation with a departmental advisor, students select 15 credits of complementary coursework, with at least 6 credits from approved computer science courses.		
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. Students pursuing the Bachelor of Science degree may choose an optional concentration in one of the following areas: Geographic Information Science and Technology, Travel and Tourism, or Physical Geography. Each concentration requires a minimum of 15 credit hours. Courses used to fulfill concentration requirements may also be applied toward the Geography major's requirements, where appropriate.

- Geographic Information Science and Technology Concentration (https://catalog.unomaha.edu/undergraduate/college-arts-sciences/geography/geography-bs/geography-info-sci-tech-conc/)
- Travel and Tourism Concentration (https://catalog.unomaha.edu/undergraduate/college-arts-sciences/geography/geography-bs/travel-tourism-conc/)
- Physical Geography Concentration (https://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
MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	4
General Education (MavEd) Course or Elective		3
Attend Durango Days; other campus events. Set up a Handshake account and take the Pathway U career assessment. Attend the Student Involvement & Volunteer Fair to explore student organizations. Make advising appointment for spring: Sept-Oct. Work with your advisor to develop your Pathway in Stellic.		
	Credits	**17**
Spring		
GEOG 1000	WORLD REGIONAL GEOGRAPHY	3
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	4
ENGL 1160	ENGLISH COMPOSITION II	3
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS or ARGUMENTATION AND DEBATE	3
STAT 1530	ELEMENTARY STATISTICS	3
Attend campus events such as major exploration week to get an idea of interests and career paths. Schedule a resume review with UNO Career Services. Visit faculty office hours and ask about undergraduate research opportunities. Make advising appointment for summer and fall: February – March.		
	Credits	**16**

Sophomore

Fall		
CIST 1300	INTRODUCTION TO WEB DEVELOPMENT (or other approved computer science course)	3
General Education (MavEd) Course or Elective		3
General Education (MavEd) Course or Elective		3
Elective Course		3
Attend the Career & Internship Fair to start networking with employers. Look for volunteer, research, or part-time work to gain experience. Join a student organization or club related to your field or interests. Make advising appointment for spring: Sept. - Oct.		
	Credits	**12**
Spring		
GEOG 3530	CARTOGRAPHY AND DATA VISUALIZATION	4
Advisor-approved computer science course		3
General Education (MavEd) Course or Elective		3
General Education (MavEd) Course or Elective		3

General Education (MavEd) Course or Elective		3
Attend a career fair for informational and networking purposes. Update your resume and LinkedIn profile with new experiences. Investigate and apply for summer internships, research, or study abroad programs. Make advising appointment for summer and fall: February – March.		
Credits		**16**
Junior		
Fall		
General Education (MavEd) Course or Elective		3
Physical Geography Course		3-4
Global Perspectives Geography Course		3
Cognate Course		3
Elective		3
Apply for a paid internship or research assistantship. Attend a mock interview workshop or use online interview tools with Career Services. Start researching and visiting graduate programs or professional schools. Visit Career Center, continue updating resume. Make advising appointment for spring: Sept-Oct.		
Credits		**15-16**
Spring		
Human Geography Course		3
General Education (MavEd) Course or Elective		3
General Education (MavEd) Course or Elective		3
Cognate Course		3
Elective		3
Request letters of recommendation from faculty for jobs or grad school. Attend the All-Majors Career Fair with a plan to network. Meet with your advisor or submit for a graduation check-in to review remaining degree requirements. Make advising appointment for summer and fall: February – March.		
Credits		**15**
Senior		
Fall		
North American Perspectives Geography Course		3
Geospatial Science Course		3-4
General Education (MavEd) Course or Elective		3
Cognate Course or Elective		3
Elective		3
Check in with Career Center for networking tips. Finalize graduate school applications or job search strategy. Attend a career fair and start applying for full-time jobs. Prepare for interviews and salary negotiations with Career Services. Make advising appointment for spring: Sept. - Oct.		
Credits		**15-16**
Spring		
GEOG 4620	GEOGRAPHICAL FIELD STUDIES	3
Elective		3
Elective		3
Elective		3
Elective		2
Complete your final advising check before graduation. Polish your resume, cover letters, and LinkedIn profile. Stay connected by joining alumni networks and professional organizations. Apply for graduation via MavLink.		
Credits		**14**
Total Credits		**120-122**

College Breadth: Students should plan on using at least 15 hours of "Electives" to fulfill Option 1, 2, or 3, of the College of Arts and Sciences' breadth requirement.

Upper Level Credits: Students need 27 upper level credits throughout the degree with at least 18 upper level credits within the major. Electives may need to be selected at the 3000-4000 level to reach these minimums.

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, World 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

Note: This plan provides a general guide, but your specific courses, experiences, and career goals may differ. Work with your academic advisor to ensure you're meeting degree requirements and consult with career advisors to explore internships, research opportunities, and post-graduation plans. Regular check-ins will help you stay on track and make the most of your time at UNO!