GEOGRAPHY, BACHELOR OF SCIENCE

To obtain a B.S. with a major in Geography, a student must fulfill university, college, and departmental requirements. Minimum hour requirements follow:

46 hours of University General Education courses
12 hours college breadth requirement
54 hours of major courses
Elective hours as required to total 120 hours.
TOTAL HOURS: 120

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEGO 1000</td>
<td>FUNDAMENTALS OF WORLD REGIONAL GEOGRAPHY</td>
<td>3</td>
</tr>
<tr>
<td>GEGO 1020</td>
<td>INTRODUCTION TO HUMAN GEOGRAPHY</td>
<td>3</td>
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<tr>
<td>GEGO 1030</td>
<td>INTRODUCTION TO PHYSICAL GEOGRAPHY</td>
<td>4</td>
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<tr>
<td>GEGO 1050</td>
<td>HUMAN-ENVIRONMENT GEOGRAPHY</td>
<td>4</td>
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<tr>
<td>GEGO 3530</td>
<td>CARTOGRAPHY AND DATA VISUALIZATION</td>
<td>4</td>
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<tr>
<td>GEGO 4620</td>
<td>GEOGRAPHICAL FIELD STUDIES I</td>
<td>3</td>
</tr>
<tr>
<td>STAT 1530</td>
<td>ELEMENTARY STATISTICS</td>
<td>3</td>
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Geography Diversity Requirements

Select a minimum of one course from each of the groups of Geography Diversity courses (see below).

Physical Geography:
- GEGO 3440 NEBRASKA NATURAL RESOURCES MANAGEMENT
- GEGO 3510 METEOROLOGY

With or without the following laboratory:
- GEGO 3514 INTRODUCTION TO METEOROLOGY LABORATORY
- GEGO 4010 CONSERVATION OF NATURAL RESOURCES

Cognate Requirement

Select 6 credit hours of approved computer science coursework.
Select 9 credit hours of coursework complementary to the major and chosen in consultation with a departmental adviser.

Total Credits: 54-55

Optional method of completing GEGO 4620.

Geographical Field Studies Requirement

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. GEGO 4620 can also apply to the upper level Global or North American category, depending on the field study destination.

Geography Diversity Groups

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEGO 3440</td>
<td>NEBRASKA NATURAL RESOURCES MANAGEMENT</td>
<td>3</td>
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<tr>
<td>GEGO 3510</td>
<td>METEOROLOGY</td>
<td>3</td>
</tr>
<tr>
<td>GEGO 4010</td>
<td>CONSERVATION OF NATURAL RESOURCES</td>
<td>3</td>
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Global Perspectives

- GEGO 3000 TRAVEL STUDY IN GEOGRAPHY
- GEGO 3030 GEOGRAPHY OF AFRICA
- GEGO 3050 GEOGRAPHY IN FILM
- GEGO 3070 GEOGRAPHY OF LATIN AMERICA
- GEGO 3080 EAST & SOUTHEAST ASIA
- GEGO 3230 GEOGRAPHY OF EUROPE
- GEGO 3240 GEOGRAPHY OF RUSSIA AND ITS NEIGHBORS

North American Perspectives

- GEGO 3330 UNITED STATES & CANADA
- GEGO 4230 GREAT PLAINS & NEBRASKA
- GEGO 4530 HISTORICAL GEOGRAPHY OF THE UNITED STATES

Geospatial Science

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

Geographic Information Science and Technology Concentration

Required Courses

Select 9 credit hours of computer science coursework in consultation with an adviser.

Credits: 9
**Additional Required Courses**  
3-6

Both:
- MATH 1320  PRE-CALCULUS ALGEBRA (3 cr)
- MATH 1330  TRIGONOMETRY (3 cr)

Or one of the following options:
- MATH 1340  ALGEBRA AND TRIGONOMETRY FOR CALCULUS (5 cr)
- MATH 1930  CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES (3 cr)
- MATH 1950  CALCULUS I (5 cr)

In addition, select one of the following:
- GEOF 4020  SPATIAL ANALYSIS IN GEOGRAPHY (3 cr)
- GEOF 4030  COMPUTER MAPPING AND VISUALIZATION (3 cr)
- GEOF 4050  GEOGRAPHIC INFORMATION SYSTEMS I (4 cr)
- GEOF 4660  GEOGRAPHIC INFORMATION SYSTEMS II (4 cr)

**Total Credits** 15-19

**Travel and Tourism Concentration**

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<tr>
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<tr>
<td>GEOF 3000</td>
<td>TRAVEL STUDY IN GEOGRAPHY</td>
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**Additional Required Courses**

Select four of the following: 12

- GEOF/ECON 3130  ECONOMIC GEOGRAPHY (3 cr)
- GEOF 3230  GEOGRAPHY OF EUROPE (3 cr)
- GEOF 3240  GEOGRAPHY OF RUSSIA AND ITS NEIGHBORS (3 cr)
- GEOF 3330  UNITED STATES & CANADA (3 cr)
- GEOF 4230  GREAT PLAINS & NEBRASKA (3 cr)
- RLS 2440  FOUNDATIONS OF RECREATION AND LEISURE (3 cr)

**Total Credits** 15

**Freshman**

<table>
<thead>
<tr>
<th>Fall</th>
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<tr>
<td>GEOF 1020  INTRODUCTION TO HUMAN GEOGRAPHY (*)</td>
<td>3</td>
</tr>
<tr>
<td>GEOF 1030  INTRODUCTION TO PHYSICAL GEOGRAPHY</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1150  ENGLISH COMPOSITION I (*)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1220  COLLEGE ALGEBRA (*)</td>
<td>3</td>
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**Credits** 15

**Sophomore**

**Fall**

- Humanities/Fine Arts/US Diversity Course 3
- Natural/Physical Science Course* 3
- CSCI 1200  COMPUTER SCIENCE PRINCIPLES (*) or CIST 1300  INTRODUCTION TO WEB DEVELOPMENT 3
- MATH 1320  PRE-CALCULUS ALGEBRA (*) 3
- Elective Course 3

**Credits** 15

- Must not be Geography
- CSCI 1200 or CIST 1300: Requires MATH 1120 or MATH 1130 or MATH 1220 or equivalent with C- or better.

- MATH 1320: Requires MATH 1220 with grade of C- or better within last 2 years or appropriate placement. Other options do exist for this requirement, depending on whether a concentration is chosen and depending on selection of computer science coursework. Please see catalog for options.

**Junior**

**Fall**

- HIST 1000 or Minor/2nd Major Course* 3
- Social Science ** 3
- Humanities/Fine Arts course* 3
- ** Social Science must not be Geography
- ** HFA must come from 2nd discipline

**Credits** 16

**Spring**

- GEOF 3530  CARTOGRAPHY AND DATA VISUALIZATION (*) 4
- CIST 1400  INTRODUCTION TO COMPUTER SCIENCE I (*) 3
- HIST 1010 or Minor/2nd Major Course* 3
- Physical Geography Elective 3-4
- Global Perspectives Geography Elective 3
- Cognate Course 3
- Elective** 3

**Credits** 16
**CAS College Requirement**

Students need a minimum of 27 upper level credits throughout the entire degree, with at least 18 credits of upper level coursework taken within the major/concentration. May need to select 3000/4000 level free electives to reach those specific minimums.

### Credits 12-13

| Spring |  
|--------|---
| Human Geography Elective | 3  
| Humanity/Fine Arts course for A&S or Minor/ 2nd Major Course* | 3  
| ENGL 3050 or ENGL 3980 | 3  
| Elective | 3  
| ENGL 3050 or 3980: Requires ENGL 1160 with grade of C- or better or placement via AP or EPPE. |  

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

**Students need a minimum of 27 upper level credits throughout the entire degree, with at least 18 credits of upper level coursework taken within the major/concentration. May need to select 3000/4000 level free electives to reach those specific minimums.**

### Credits 15

| Senior Fall |  
|-------------|---
| North American Perspectives Geography Course | 3  
| Geospatial Science Elective Course | 3-4  
| Social Science for A&S or Minor/2nd Major Course* | 3  
| Cognate Course | 3  
| Elective** | 3  
| **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 18 credits of upper level coursework taken within the major/concentration. May need to select 3000/4000 level free electives to reach those specific minimums.**

### Credits 15-16

| Spring |  
|--------|---
| GEOG 4620 GEOGRAPHICAL FIELD STUDIES (*) | 3  
| Elective | 3  
| Elective | 3  
| Elective | 3  
| **GEOG 4620: Requires instructor permission.** |  

**CAS College Requirement**

**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](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 plan is not a contract and curriculum is subject to change.

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