# GEOGRAPHY, BACHELOR OF SCIENCE

## Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 1000</td>
<td>FUNDAMENTALS OF WORLD REGIONAL GEOGRAPHY</td>
<td>3</td>
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<tr>
<td>GEOG 1020</td>
<td>INTRODUCTION TO HUMAN GEOGRAPHY</td>
<td>3</td>
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<tr>
<td>GEOG 1030</td>
<td>INTRODUCTION TO PHYSICAL GEOGRAPHY</td>
<td>4</td>
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<tr>
<td>GEOG 1050</td>
<td>HUMAN-ENVIRONMENT GEOGRAPHY</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 3530</td>
<td>CARTOGRAPHY AND GIS</td>
<td>2</td>
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<tr>
<td>GEOG 3540</td>
<td>CARTOGRAPHY &amp; GIS LAB</td>
<td>2</td>
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<tr>
<td>GEOG 4620</td>
<td>GEOGRAPHICAL FIELD STUDIES ¹</td>
<td>3</td>
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<tr>
<td>MATH 1530</td>
<td>INTRODUCTION TO APPLIED PROBABILITY AND STATISTICS (or other approved statistics course)</td>
<td>3</td>
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### Geography Fundamentals Requirements
- GEOG 1000: FUNDAMENTALS OF WORLD REGIONAL GEOGRAPHY (3 credits)
- GEOG 1020: INTRODUCTION TO HUMAN GEOGRAPHY (3 credits)
- GEOG 1030: INTRODUCTION TO PHYSICAL GEOGRAPHY (4 credits)
- GEOG 1050: HUMAN-ENVIRONMENT GEOGRAPHY (4 credits)
- GEOG 3530: CARTOGRAPHY AND GIS (2 credits)
- GEOG 3540: CARTOGRAPHY & GIS LAB (2 credits)
- GEOG 4620: GEOGRAPHICAL FIELD STUDIES (3 credits)
- MATH 1530: INTRODUCTION TO APPLIED PROBABILITY AND STATISTICS (3 credits)

### Geography Diversity Requirements
Select a minimum of one course from each of the groups of Geography Diversity courses (see below). 15-16 credits

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

Total Credits: 54-55 credits

¹ Optional method of completing GEOG 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. GEOG 4620 can also apply to the upper level Global or North American category, depending on the field study destination.

## Geography Diversity Groups

### Physical Geography
- GEOG 3440: NEBRASKA NATURAL RESOURCES MANAGEMENT (3 credits)
- GEOG 3510: METEOROLOGY (3 credits)
- GEOG 3514: INTRODUCTION TO METEOROLOGY LABORATORY (0-1 credits)

### Human Geography
- GEOG/ECON 3130: ECONOMIC GEOGRAPHY (3 credits)
- GEOG 3440: NEBRASKA NATURAL RESOURCES MANAGEMENT (3 credits)
- GEOG 3930: POLITICAL GEOGRAPHY (3 credits)
- GEOG 4010: CONSERVATION OF NATURAL RESOURCES (3 credits)
- GEOG 4120: URBAN GEOGRAPHY (3 credits)
- GEOG 4140: URBAN SOCIOLOGY (3 credits)
- GEOG/WGST 4150: GEOGRAPHY, GENDER AND ENTREPRENEURSHIP (3 credits)
- GEOG 4160: URBAN SUSTAINABILITY (3 credits)
- GEOG 4170: ADVANCED CULTURAL GEOGRAPHY (3 credits)
- GEOG 4550: GEOGRAPHY OF ECONOMIC GLOBALIZATION (3 credits)
- GEOG/PA/BIOL/ENVN 4820: INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS (3 credits)
- GEOG 4900: URBANIZATION IN DEVELOPING AREAS (3 credits)

### Global Perspectives
- GEOG 3000: TRAVEL STUDY IN GEOGRAPHY (3 credits)
- GEOG 3030: GEOGRAPHY OF AFRICA (3 credits)
- GEOG 3050: GEOGRAPHY IN FILM (3 credits)
- GEOG 3060: GEOGRAPHY OF MIDDLE AMERICA (3 credits)
- GEOG 3070: GEOGRAPHY OF LATIN AMERICA (3 credits)
- GEOG 3080: EAST & SOUTHEAST ASIA (3 credits)
- GEOG 3230: GEOGRAPHY OF EUROPE (3 credits)
- GEOG 3240: RUSSIA AND FORMER SOVIET REPUBLICS (3 credits)

### North American Perspectives
- GEOG 3330: UNITED STATES & CANADA (3 credits)
- GEOG 4230: GREAT PLAINS & NEBRASKA (3 credits)
- GEOG 4530: HISTORICAL GEOGRAPHY OF THE UNITED STATES (3 credits)

### Geospatial Science
- GEOG 2620: AERIAL PHOTOGRAPHIC INTERPRETATION (3 credits)
- GEOG 4020: QUANTITATIVE ANALYSIS IN GEOGRAPHY (3 credits)
- GEOG 4030: COMPUTER MAPPING AND VISUALIZATION (3 credits)
- GEOG 4050: GEOPHYSICAL INFORMATION SYSTEMS I (4 credits)
- GEOG 4630: ENVIRONMENTAL REMOTE SENSING (4 credits)
- GEOG 4660: GEOPHYSICAL INFORMATION SYSTEMS II (4 credits)

## Geographic Information Science and Technology Concentration

### Required Courses
Select 9 credit hours of computer science coursework in consultation with an adviser. 9 credits

### Additional Required Courses
- MATH 1320: PRE-CALCULUS ALGEBRA (3 credits)
- MATH 1330: TRIGONOMETRY (3 credits)
Select one of the following: 3-4 credits
- GEOG 4030: COMPUTER MAPPING AND VISUALIZATION
### Geography, Bachelor of Science

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<td>GEOGRAPHIC INFORMATION SYSTEMS I</td>
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<tr>
<td>GEOG 4660</td>
<td>GEOGRAPHIC INFORMATION SYSTEMS II</td>
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**Total Credits** 18-19

#### Travel and Tourism Concentration

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

Select four of the following: 12-15

- GEOG 3060 GEOGRAPHY OF MIDDLE AMERICA
- GEOG/ECON 3130 ECONOMIC GEOGRAPHY
- GEOG 3230 GEOGRAPHY OF EUROPE
- GEOG 3240 RUSSIA AND FORMER SOVIET REPUBLICS
- GEOG 3330 UNITED STATES & CANADA
- GEOG 4230 GREAT PLAINS & NEBRASKA
- RLS 2440 FOUNDATIONS OF RECREATION AND LEISURE

**Total Credits** 15-18

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1. RLS 2440 and RLS 4000 when taught as travel and tourism.