

# Geography

School of Natural Resources and Agricultural Sciences  
Department of Geography  
(907) 474-7494  
www.uaf.edu/snras/geography/

## B.A., B.S. Degrees

Minimum Requirements for Degrees: 120 credits

Geography provides an organized view of the earth as a whole and of its regions and human activities. Geography serves as a bridge between the natural and social sciences by studying the interrelationships between the earth's physical and biological systems, and how these environmental systems provide a natural resource base for human societies. Geographers are interested in patterns of human settlement, natural resources distribution, resources use and conservation. Geographers are interested in the sense of place among the peoples of the world.

Geographic methodologies include observation, measurement, description and analysis of places or areas including their likenesses, differences, interdependence and importance.

Geographic professions are diverse and include opportunities in mapping, remote sensing, demographics, international relations, landscape analysis, environmental assessment and planning, regional planning, and weather and climate analysis. Also, geography provides an excellent background for specialized or interdisciplinary graduate study.

The geography B.A. degree program provides a broad cultural background in the liberal arts, a geographic perspective based on world regions, preparation for teaching geography, earth science or social science in elementary or secondary schools, and technical training for professional geographic work in government, business or industry.

The geography B.S. degree is subtitled "environmental studies." The program provides the foundation necessary for understanding the natural and social environment, the analysis of environmental issues from an interdisciplinary geographic perspective, a diverse technical and scientific approach to environmental issues, and the ability to find balanced solutions to environmental problems.

Students may elect advanced work in geography, or other disciplines, to provide a concentration in either physical or social science. A minor in geography is also available.

## Major—B.A. Degree

1. Complete the general university requirements (page 107).
2. Complete the B.A. degree requirements (page 111).
3. Complete the following program (major) requirements:
  - a. Complete the following:
    - GEOG 101—World Regional Geography (3)
    - or GEOG 203—World Economic Geography (3) ..... 3
    - GEOG 205—Elements of Physical Geography ..... 3
    - GEOG 339—Maps and Landscape Analysis (3)
    - or GEOG 401—Weather and Climate (3) ..... 3
    - GEOG 482W,O—Geography Seminar ..... 3
    - GEOG elective ..... 3
  - b. Complete 3 of the following regional courses:
    - GEOG 302—Geography of Alaska ..... 3
    - GEOG 303—Geography of United States and Canada ..... 3
    - GEOG 305W—Geography of Europe ..... 3
    - GEOG 306—Geography of Russia ..... 3
    - GEOG 311W—Geography of Asia ..... 3
    - GEOG 427—Cold Lands ..... 3
  - c. Complete 2 of the following cultural courses:
    - GEOG 402—Resources and Environment ..... 3
    - GEOG 404W—Urban Geography ..... 3
    - GEOG 405—Political Geography ..... 3

- d. Complete 1 of the following techniques courses:
  - GEOG 309—Cartography ..... 4
  - GEOG 408—Quantitative Research Techniques ..... 3
4. Complete approved electives .....open
5. Minimum credits required .....120

## Major—B.S. Degree (Environmental Studies)

1. Complete the general university requirements (page 107).
2. Complete the B.S. degree requirements (page 114).
3. Complete the following program (major) requirements:
  - a. Complete the following:
    - GEOG 101—World Regional Geography ..... 3
    - GEOG 205—Elements of Physical Geography ..... 3
    - GEOG 339—Maps and Landscape Analysis ..... 3
    - GEOG 401—Weather and Climate ..... 3
    - GEOG 402—Resources and Environment ..... 3
    - GEOG 408—Quantitative Research Techniques ..... 3
    - GEOG 482W,O—Geography Seminar ..... 3
  - b. Complete 6 credits from the following environmental studies electives:
    - GEOG/NRM 463—Wilderness Concepts ..... 3
    - NRM 303X—Environmental Ethics and Actions\*\* ..... 3
    - NRM 407—Environmental Law ..... 3
  - c. Complete 9 credits from the following environmental system electives:
    - ANTH 428W—Ecological Anthropology and Regional Sustainability\*\*\* ..... 3
    - BIOL 271—Principles of Ecology\*\*\* ..... 4
    - BIOL/NRM 277—Introduction to Conservation Biology\*\*\* ..... 3
    - GEOS 304—Geomorphology ..... 3
    - NRM 375—Forest Ecology\*\*\* ..... 3
    - NRM 380W—Soils and the Environment\*\*\* ..... 3
    - NRM/FISH 400W—Fisheries Science\*\*\* ..... 3
  - d. Complete 3 credits from the following environmental management electives:
    - FISH 401W,O/2—Fisheries Management\*\*\* ..... 3
    - NRM 365W—Principles of Outdoor Recreation Management ..... 3
    - NRM 430—Resource Management Planning ..... 3
    - NRM/WLF 431—Wildlife Law and Policy\*\*\* ..... 3
    - NRM 450—Forest Management\*\*\* ..... 3
    - NRM 480—Soil Management for Quality and Conservation\*\*\* ..... 3
  - e. Complete 1 of the following techniques courses:
    - GEOG 301—Geographic Field Research Techniques ..... 3
    - GEOG 309—Cartography ..... 4
    - GEOG/NRM 338—Introduction to Geographic Information Systems ..... 3
4. Complete approved electives .....open
5. Minimum credits required .....120

\* Student must earn a C grade or better in each course.

\*\* If used to fulfill core requirements, NRM 303X may not also count towards geography major.

\*\*\* Prerequisites required.

## Minor

1. Complete the following:
  - GEOG 101—World Regional Geography (3)
  - or GEOG 203—World Economic Geography (3) ..... 3
  - GEOG 205—Elements of Physical Geography ..... 3
  - GEOG electives .....8-9
2. Minimum credits required .....15

**Note:** Page numbers refer to the UAF 2005-2006 academic catalog, which can be viewed online at [www.uaf.edu/catalog/](http://www.uaf.edu/catalog/).

## Baccalaureate Core Requirements

All degrees (e.g. B.A., B.S., etc.) require additional courses.  
Refer to specific degree and program requirements.

### COMMUNICATION (9)

Complete the following:

ENGL 111X ..... (3) \_\_\_\_\_  
*ENGL 190H may be substituted.*

Complete one of the following:

ENGL 211X OR ENGL 213X ..... (3) \_\_\_\_\_

Complete one of the following:

COMM 131X OR COMM 141X ..... (3) \_\_\_\_\_

### PERSPECTIVES ON THE HUMAN CONDITION (18)

Complete all of the following four courses:

ANTH 100X/SOC 100X ..... (3) \_\_\_\_\_  
 ECON 100X OR PS 100X ..... (3) \_\_\_\_\_  
 HIST 100X ..... (3) \_\_\_\_\_  
 ENGL/FL 200X ..... (3) \_\_\_\_\_

Complete one of the following three courses:

ART/MUS/THR 200X, HUM 201X OR ANS 202X ..... (3) \_\_\_\_\_

Complete one of the following six courses:

BA 323X, COMM 300X, JUST 300X, NRM 303X,  
 PS 300X OR PHIL 322X ..... (3) \_\_\_\_\_

OR complete 12 credits from the above courses PLUS

- two semester-length courses in a single Alaska Native language or other non-English language OR
- three semester-length courses (9 credits) in American Sign Language taken at the university level.

### MATHEMATICS (3)

Complete one of the following:

MATH 107X, MATH 161X OR MATH 103X ..... (3-4) \_\_\_\_\_  
*\* No credit may be earned for more than one of MATH 107X or 161X.*

OR complete one of the following\*:

MATH 200X, MATH 201X, MATH 202X,  
 MATH 262X OR MATH 272X ..... (4) \_\_\_\_\_  
*\*Or any math course having one of these as a prerequisite*

### NATURAL SCIENCES (8)

Complete any two (4-credit) courses:

ATM 101X ..... (4) \_\_\_\_\_  
 BIOL 100X ..... (4) \_\_\_\_\_  
 BIOL 103X ..... (4) \_\_\_\_\_  
 BIOL 104X ..... (4) \_\_\_\_\_  
 BIOL 105X ..... (4) \_\_\_\_\_  
 BIOL 106X ..... (4) \_\_\_\_\_  
 BIOL 111X ..... (4) \_\_\_\_\_  
 BIOL 112X ..... (4) \_\_\_\_\_  
 CHEM 100X ..... (4) \_\_\_\_\_  
 CHEM 103X ..... (4) \_\_\_\_\_  
 CHEM 104X ..... (4) \_\_\_\_\_  
 CHEM 105X ..... (4) \_\_\_\_\_  
 CHEM 106X ..... (4) \_\_\_\_\_  
 GEOG 205X ..... (4) \_\_\_\_\_  
 GEOS 100X ..... (4) \_\_\_\_\_  
 GEOS 101X ..... (4) \_\_\_\_\_  
 GEOS 112X ..... (4) \_\_\_\_\_  
 GEOS 120X ..... (4) \_\_\_\_\_  
 GEOS 125X ..... (4) \_\_\_\_\_  
 MSL 111X ..... (4) \_\_\_\_\_  
 PHYS 102X ..... (4) \_\_\_\_\_  
 PHYS 103X ..... (4) \_\_\_\_\_  
 PHYS 104X ..... (4) \_\_\_\_\_  
 PHYS 115X ..... (4) \_\_\_\_\_  
 PHYS 116X ..... (4) \_\_\_\_\_  
 PHYS 175X ..... (4) \_\_\_\_\_  
 PHYS 211X ..... (4) \_\_\_\_\_  
 PHYS 212X ..... (4) \_\_\_\_\_  
 PHYS 213X ..... (4) \_\_\_\_\_

### LIBRARY AND INFORMATION RESEARCH (0-1)

Successful completion of library skills competency test OR  
 LS 100X or 101X prior to junior standing ..... (0-1) \_\_\_\_\_

### UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0)

Complete the following:

Two writing intensive courses designated (W) ..... (0) \_\_\_\_\_  
 One oral communication intensive course designated (O) ..... (0) \_\_\_\_\_  
 OR two oral communication intensive courses designated (O/2), at the upper-division level (see degree and/or major requirements) ..... (0) \_\_\_\_\_

TOTAL CREDITS REQUIRED ..... 38-39