

# Geography

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

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

Minimum Requirements for Degrees: B.A.: 120 credits; B.S.: 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 106).
2. Complete the B.A. degree requirements (page 109).
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 106).
2. Complete the B.S. degree requirements (page 112).
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 2004-2005 academic catalog, which can be viewed online at [www.uaf.edu/catalog/](http://www.uaf.edu/catalog/).

## General University Requirements

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

### COMMUNICATIONS (9)

**Complete the following:**

ENGL 111X	(3)	_____
ENGL 211X OR 213X	(3)	_____
COMM 131X OR 141X	(3)	_____

### LIBRARY & INFORMATION SKILLS (0-1)

**Complete the following:**

LS 100X OR 101X	(0-1)	_____
OR Successful completion of library skills competency test.		

### PERSPECTIVES ON THE HUMAN CONDITION (18)

**Complete either the following six courses:**

ANTH 100X OR SOC 100X	(3)	_____
ECON/PS 100X	(3)	_____
HIST 100X	(3)	_____
ART/MUS/THR 200X, HUM 201X OR ANS 202X	(3)	_____
ENGL/FL 200X	(3)	_____
PHIL 322X, NRM 303X, COMM 300X, PS 300X OR JUST 300X	(3)	_____

**OR** Complete 12 cr from the above list **PLUS** two semester-length courses in a single non-English or Alaska Native language at the university level **OR** three semester-length courses (9 cr) in American Sign Language.

### MATHEMATICS (3-4)

**Complete 3-4 credits from the following:**

MATH 107X	(3)	_____
OR MATH 131X (except for BBA)	(3)	_____
OR MATH 161X	(3)	_____
MATH 200X	(4)	_____
MATH 201X	(4)	_____
MATH 202X	(4)	_____
MATH 262X	(4)	_____
MATH 272X	(3)	_____

**NOTE:** Additional 3 cr of math needed for degree requirements.

### NATURAL SCIENCES (8)

**Complete 8 credits from the following:**

ATM 101X	(4)	_____
BIOL 103X OR 104X	(4)	_____
BIOL 105X-106X	(8)	_____
BIOL 111X-112X	(8)	_____
CHEM 100X	(4)	_____
CHEM 103X-104X	(8)	_____
CHEM 105X-106X	(8)	_____
GEOG 205X	(4)	_____
GEOS 100X OR 120X OR 125X	(4)	_____
GEOS 101X-112X	(8)	_____
MSL 111X	(4)	_____
PHYS 102X OR 175X	(4)	_____
PHYS 103X-104X	(8)	_____
PHYS 211X-212X	(8)	_____
PHYS 211X-213X	(8)	_____
PHYS 212X-213X	(8)	_____