



# Geography, B.S. *major*

## Physical Geography Emphasis

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Required Credits: 55  
Required GPA: 2.25

### I REQUIRED CORE COURSES

COMPLETE THE FOLLOWING COURSES:

- BUAD 2231 Business Statistics I (3 credits)  
*or* PSY 3401 Basic Statistics for Research (4 credits)  
*or* STAT 2610 Applied Statistics (4 credits)
- ENGL 2150 Technical Writing (3 credits)  
*or* ENGL 3150 Writing In The Disciplines (3 credits)
- GEOG 2100 Introduction to Physical Geography (3 credits)
- GEOG 2200 Introduction to Human Geography (3 credits)
- GEOG 2400 Introduction to Planning (3 credits)
- GEOG 3231 Introduction to Geographic Information Systems (3 credits)
- GEOG 4190 Qualitative Methods in Geographic Research (3 credits)
- GEOG 4265 Spatial Analysis (3 credits)

### II PHYSICAL GEOGRAPHY EMPHASIS

REQUIRED PHYSICAL GEOGRAPHY COURSES

COMPLETE THE FOLLOWING COURSES:

- GEOG 3125 Weather and Climate (3 credits)
- GEOG 4130 Biogeography (3 credits)
- GEOG 4140 Landscape Ecology (3 credits)
- GEOL 1110 Physical Geology (4 credits)

NATURAL/EARTH SCIENCE ELECTIVES

SELECT 2 OF THE FOLLOWING COURSES:

- BIOL 2610 General Ecology (3 credits)
- BIOL 3120 Soils (4 credits)  
*or* GEOL 3120 Soils (4 credits)
- GEOG 3630 Conservation Biology (3 credits)  
*or* BIOL 3630 Conservation Biology (3 credits)
- GEOL 2110 Mineralogy and Petrology (4 credits)
- GEOL 3211 Environmental Hydrology (3 credits)
- GEOL 3400 Glacial and Pleistocene Geology (3 credits)
- GEOL 3500 Topics in Paleontology (3 credits)
- GEOL 3600 Stratigraphy and Sedimentation (3 credits)

SPATIAL METHODS ELECTIVES

SELECT 1 OF THE FOLLOWING COURSES:

- GEOG 3226 Cartography (3 credits)
- GEOG 3232 Intermediate Geographic Information Systems (3 credits)
- GEOG 3255 Introduction to Remote Sensing (3 credits)
- GEOG 4275 Advanced Geographic Information Systems (3 credits)

REGIONAL GEOGRAPHY ELECTIVES

SELECT 1 OF THE FOLLOWING COURSES:

- GEOG 3410 Geography of North America (3 credits)
- GEOG 3800 Regional Geography (1-3 credits)
- GEOG 3810 Geography of Europe (3 credits)
- GEOG 3820 Geography of East, South, and Southeast Asia (3 credits)
- GEOG 3840 Geography of Africa (3 credits)
- GEOG 3850 Geography of the Middle East (3 credits)
- GEOG 3860 Geography of Latin America and the Caribbean (3 credits)

HUMAN GEOGRAPHY ELECTIVE

SELECT 1 OF THE FOLLOWING COURSES:

- GEOG 3400 Economic Geography (3 credits)
- GEOG 3531 Political Geography (3 credits)
- GEOG 4120 Urban Geography (3 credits)
- GEOG 4210 The History and Development of Geographic Thought (3 credits)

### III CAPSTONE PROJECT

SELECT 1 OF THE FOLLOWING COURSES:

- GEOG 4910 Directed Independent Study (4 credits)
- GEOG 4970 Internship (4 credits)
- GEOG 4990 Thesis (3 credits)

### SUGGESTED SEMESTER SCHEDULE FOR GEOGRAPHY MAJORS, B.S. (PHYSICAL GEOGRAPHY EMPHASIS)

The following is a list of Geography Major courses arranged by year. This suggested schedule is intended to help students plan their courses in an orderly fashion. Some courses or course sequences may appear more than once. Geography majors and minors are strongly encouraged to meet with advisors in the Geography program prior to selecting courses as all courses are not offered each year. Given that the study of Geography is inherently interdisciplinary, all Geography students in this major are required to take courses outside of the Geography Curriculum. The 6-8 credits of Natural/Earth Science electives include courses in Geology and Biology and may be selected in any year, provided all prerequisites for those specific courses are met.

Freshman

- ENGL 2150 Technical Writing (3 credits)  
*or* ENGL 3150 Writing In The Disciplines (3 credits)
- GEOG 1400 World Regional Geography (3 credits) (recommended)
- GEOG 2100 Introduction to Physical Geography (3 credits)
- GEOG 2200 Introduction to Human Geography (3 credits)
- GEOG 3231 Introduction to Geographic Information Systems (3 credits)
- GEOL 1110 Physical Geology (4 credits)
- Liberal Education requirements

Sophomore

- BUAD 2231 Business Statistics I (3 credits)  
*or* PSY 3401 Basic Statistics for Research (4 credits)  
*or* STAT 2610 Applied Statistics (4 credits)
- GEOG 2400 Introduction to Planning (3 credits)
- GEOG 3125 Weather and Climate (3 credits)
- Spatial Methods Electives (more than one is recommended, though not required)
- Complete Liberal Education requirements

Junior

- Natural/Earth Science Electives
- Regional Geography Electives
- Human Geography Electives
- GEOG 4130 Biogeography (3 credits)
- GEOG 4140 Landscape Ecology (3 credits)

Senior

- Capstone Project
- GEOG 4190 Qualitative Methods in Geographic Research (3 credits)
- GEOG 4265 Spatial Analysis (3 credits)