

## THE MAJOR

The geography degree program prepares students to understand the physical and human environment and interpret the patterns found across earth's surface. We strive to help our students become persons of intellectual maturity by building a solid foundation of knowledge concerning the discipline of geography, the main features of earth's environment, and the various processes giving rise to these features; developing skills necessary to access, acquire, and synthesize new information and ideas so as to become life-long learners; establishing understanding of the theories, tools, and techniques necessary to become effective problem solvers; and finally practicing the facilities needed to become articulate communicators of their knowledge, opinions, and ideas.

## CAREERS

Training in Geography leads many students toward careers in the private or public sector as city and regional planners, climatologists, conservationists, economic development consultants, environmental analysts and managers, Geographic information science (GIS) analysts, historic preservationists, land-use analysts, location and market analysts, spatial data analysts, teachers at all levels, water resources analysts, or weather observers.

## REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Comprised of 45 units, the geography major allows flexibility in course selection while providing solid background in human, physical, and regional aspects of the discipline. The major also features a strong technical component based on applications of geographic information science (GIS), cartography, and remote sensing; along with training in geographical analysis and data presentation.

California State University  
**Northridge**

# Geography Degree Program

## Minor in Geographic Information Science

### LOWER DIVISION GEOGRAPHY

(3 Units Total)

Select one of the following courses:

- GEOG. 101: The Physical Environment  
or  
GEOG. 103: Weather  
and  
GEOG. 107: Intro to Human Geography  
or  
GEOG. 150: World Geography

### UPPER DIVISION GEOGRAPHY

(18 Units Total)

### METHOD COURSES (12 units)

Take the following courses:

- GEOG. 206/L: Introductory GIS  
GEOG. 305/L: Maps and Graphics  
GEOG. 306/L: Intermediate GIS  
GEOG. 406/L: Advanced GIS

### APPLICATION COURSES (6 units)

Select two courses from the following:

- GEOG. 304/L: Map and Imagery Interpretation  
GEOG. 407/L: Remote Sensing  
GEOG. 408A/L: Human/Cultural Applications in GIS  
GEOG. 408B/L: Environmental/Physical Applications in GIS  
GEOG. 408C/L: Geospatial Project Management  
GEOG. 408D/L: Spatial Database Management  
GEOG. 408E/L: GIS Automation & Customization  
GEOG. 408F/L: WebGIS  
GEOG. 408G/L: GIS & Decision-Making  
GEOG. 409/L: Digital Cartography  
GEOG. 460/L: Spatial Analysis  
GEOG. 494: Internship (must be GIS/Cartography/Remote Sensing topic)  
GEOG. 497A-F: Senior Seminar (must be GIS/Cartography/Remote Sensing topic)

For more information on the program, see the 2012-2014 University Catalog, or contact:

### Department of Geography

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