

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

Comprised of 46 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.

CONTACT

For more information, contact:

Department of Geography

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Geography Degree Program

Option 2: Major in Geography/Geographic Information Science

LOWER DIVISION GEOGRAPHY (7 Units)

Take the following:

- GEOG. 101: The Physical Environment (3)
GEOG. 102: Physical Geography Lab (1)
or
GEOG. 103: Weather (3)
GEOG. 105: Weather Lab (1)
and one of the following:
GEOG. 107: Intro to Human Geography (3)
GEOG. 108: Earth from Above (3)
GEOG. 150: World Geography (3)
GEOG. 170: Water Resources of Calif. (3)

UPPER DIVISION GEOGRAPHY (39 units)

GATEWAY COURSE (3 units)

Take the following course:

- GEOG. 300: The Geographer's Craft

FIELD STUDIES (3 units)

Select one course:

- GEOG. 404A-Z: Field Studies

CONTENT COURSES (6 units)

Select two courses (/L denotes lab section):

- GEOG. 301: Cultural Geography
GEOG. 311: Atmosphere
GEOG. 316: Environmental Geography
GEOG. 340: Economic Geography
GEOG. 351: Urban Geography
GEOG. 364/L: World Ecosystems
GEOG. 365/L: Geomorphology
GEOG. 366: Environmental Hazards
GEOG. 370: Water, Society & Environment

METHOD COURSES (15 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
GEOG. 460/L: Spatial Analysis

APPLICATION COURSES (6 units)

Select two courses:

- GEOG. 304/L: Map and Imagery Interpretation
GEOG. 407/L: Remote Sensing
GEOG. 408A/L: Human/Culture App. in GIS
GEOG. 408B/L: Env./Physical App. in GIS
GEOG. 408C/L: Geospatial Project Mgmt.
GEOG. 408D/L: Spatial Database Mgmt.
GEOG. 408E/L: GIS Auto. & Customization
GEOG. 408F/L: WebGIS
GEOG. 408G/L: GIS & Decision-Making
GEOG. 408H/L: GIS in Water Resource Mgmt.
GEOG. 409/L: Digital Cartography
GEOG. 494: Internship
GEOG. 497A-F: Senior Seminar

CAPSTONE COURSE (3 units)

Take the following course:

- GEOG. 490: Senior Project

ELECTIVE COURSES (3 units)

Take one additional upper division (300-400 level) Geography course.

Total Units in the Major	46
General Education Units	48
Additional Units	26
Total Units Required	120