



Geography 2013-2014

The Greek derivation of the word geography is "earth description." Geography studies natural features such as mountain ranges, rivers, valleys, forests, deserts, and grasslands, as well as man-made features such as cities, roads, dams, and bridges. Geography is truly an integrated discipline. It helps us to understand our natural environment and its capacity to maintain life. Is this capacity of supporting human civilization unlimited? If not, how much more can we abuse our physical environment without diminishing its capacity to sustain life? Geography is central to an understanding of the international global arena and provides an exciting and challenging way to examine our planet.

Program Learning Outcomes:

- Interpret spatially distributed data and draw valid conclusions by using maps, graphs and/or Geographic Information Systems (GIS)
- Evaluate core concepts in cultural and physical geography and apply them to contemporary events and issues.

Career Opportunities:

Geography serves as an excellent undergraduate major. City, county, and state governments are hiring geographers in the field of Geographic Information Systems (GIS), urban planning, and environmental studies because of their broad training. The national mapping division of the United States Geological Survey traditionally needs geographers in map making and its related job openings such as photo-interpretation, satellite image analysis, land use and land cover mapping. In addition, the analytical skills gained through a Geography major provide a strong foundation for graduate study in law, urban planning and architecture. Geographers with advanced degrees are also in demand in colleges and universities around the world. Students should enhance their major with a strong array of courses in the international arena, statistics, physical sciences, computer science, and basic business principles.

Units required for Major: 37

Units required for Certificate: 23

Associate Degree Requirements:

- English proficiency: ENGL 1A, 1AH, 1S & 1T, ESLL 26 or equivalent.
- Mathematics proficiency: MATH 57, 105, 108 or equivalent.

A minimum of 90 units is required* to include:

- All Foothill General Education requirements (30 Units)
- Core courses (21 Units)
- Support courses (16 Units)

*Additional elective course work may be necessary to meet the 90-unit minimum requirement for the associate degree.

NOTE: All courses pertaining to the major must be taken for

a letter grade. In addition, a GPA of 2.0 or higher is required in all core and support courses for the degree or certificates.

Program Types:

AS = Associate in Science Degree.

CA = Certificate of Achievement.

Additional Information:

NOTE: Students having difficulty attaining an associate degree because of timing or availability of classes should consult with a counselor to submit a petition for course substitution.

Core Courses: 21 Unit(s)

GEOG 1 Physical Geography (5 units)

GEOG 2 Human Geography (4 units)

GEOG 5 Introduction to Economic Geography (4 units)

GEOG 10 World Regional Geography (4 units)

GEOG 11 Introduction to Mapping & Spatial Reasoning (4 units)

or GIST 11 Introduction to Mapping & Spatial Reasoning (4 units)

Support Courses: 16 Unit(s)

Select 8 units from the following:

ANTH 2A Cultural Anthropology (4 units)

or ANTH 2B Patterns of Culture (4 units)

ECON 25 Introduction to the Global Economy (4 units)

GEOG 9 California Geography (4 units)

GEOG 12 Introduction to Geospatial Technology (4 units)

or GIST 12 Introduction to Geospatial Technology (4 units)

HIST 4A History of Western Civilization to 800 AD (4 units)

or HIST 4B History of Western Civilization: 700-1800 (4 units)

POLI 15 International Relations/World Politics (4 units)

or POLI 15H Honors International Relations/World Politics (4 units)

And 8 units* from the following:

ANTH 6 Peoples of Africa (4 units)

HIST 8 History of Latin America (4 units)

HIST 9 History of Contemporary Europe (4 units)

or HIST 9H Honors History of Contemporary Europe (4 units)

HIST 18 Introduction to Middle Eastern Civilization (4 units)

HIST 20 History of Russia & the Soviet Union (4 units)

POLI 2 Comparative Government & Politics (4 units)

or POLI 2H Honors Comparative Government & Politics (4 units)

* Students may also use courses listed in the first section of support courses to fulfill the requirement for the second section of support courses.

Certificates:

Certificate of Achievement, Geographic Information Systems Analyst

26 Unit(s)



GEOG 12 Introduction to Geospatial Technology (4 units)
or GIST 12 Introduction to Geospatial Technology (4 units)
GIST 52 Geospatial Data Acquisition & Management (4 units)
GIST 54A Seminar in Specialized Applications & Geographic Information Systems I (2 units)
GIST 58 Remote Sensing & Digital Image Processing (3 units)
GIST 59 Cartography, Map Presentation & Design (2 units)
ITRN 50 Internship (3 units)

And select TWO courses from ONE discipline* from the following list:

ANTH 1 Introduction to Physical Anthropology (4 units)
ANTH 2A Cultural Anthropology (4 units)
ANTH 2B Patterns of Culture (4 units)
ANTH 8 Introduction to Archaeology (4 units)
BIOL 9 Environmental Biology (4 units)
BIOL 10 General Biology: Basic Principles (5 units)
BIOL 13 Marine Biology (5 units)
BIOL 15 California Ecology/Natural History (5 units)
BUSI 22 Principles of Business (5 units)
BUSI 53 Survey of International Business (4 units)
BUSI 57 Principles of Advertising (4 units)
BUSI 59 Principles of Marketing (4 units)
GEOG 1 Physical Geography (5 units)
GEOG 2 Human Geography (4 units)
GEOG 5 Introduction to Economic Geography (4 units)
GEOG 10 World Regional Geography (4 units)
POLI 1 Political Science: Introduction to American Government & Politics (5 units)
POLI 2 Comparative Government & Politics (4 units)
or POLI 2H Honors Comparative Government & Politics (4 units)
POLI 3 Introduction to Political Philosophy/Political Theory (5 units)
or POLI 3H Honors Introduction to Political Philosophy/Political Theory (5 units)
POLI 9 Political Economy (4 units)
or POLI 9H Honors Political Economy (4 units)
SOC 1 Introduction to Sociology (5 units)
SOC 8 Popular Culture (4 units)
SOC 20 Major Social Problems (4 units)
SOC 23 Race & Ethnic Relations (4 units)

*Alternative focus areas are accepted by petition.