



Geography

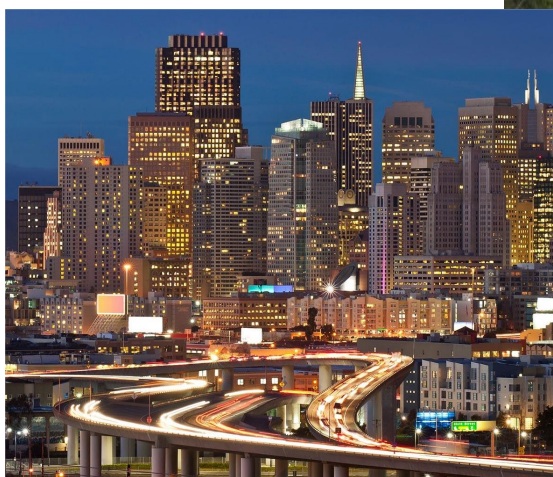
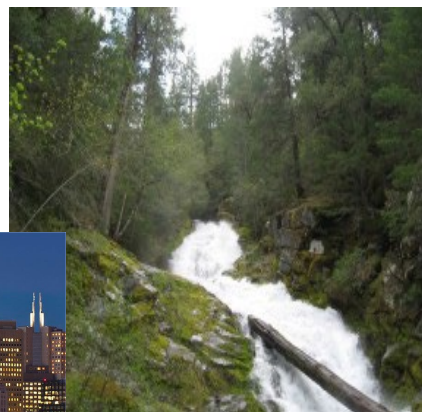
Bachelor of Arts



Geographers study physical and biological environments, human societies and their spatial interactions, and utilize both environmental science and social science perspectives. Geographers seek to analyze the processes, spatial patterns and consequences of human-environment interaction, and address issues of sustainability, using maps, fieldwork and geospatial technologies such as GIS to solve real-world problems.

Some Careers in Geography

- Aerial Photo Interpreter
- Air Quality Analyst
- Biogeographer
- Business Geographic Analyst
- Cartographer
- Climatologist
- College Professor
- Energy Analyst
- Environmental Manager
- Environmental Planner
- Geographer (multiple federal and state agencies)
- Geomorphologist
- Geopolitical Specialist
- GIS Analyst
- GIS Program Manager
- Hydrologist
- Land Surveyor
- Land Use Planner
- Map Librarian
- Natural Historian
- Remote Sensing Image Analyst
- Transportation Planner
- Soil Conservationist
- Teacher
- Tourism Director
- Water Resource Specialist
- Physical Scientist
- Watershed Scientist
- Watershed Manager



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Curriculum

B.A. in Geography

The undergraduate major core courses introduce foundational concepts in physical and human geography, as well as geographic techniques. An upper division distribution requirement provides breadth in physical environment, human geography, regional geography and applied geography or geographic techniques. Students then build a plan of electives to fit career goals working with an advisor. Some guided elective areas include resource management, physical geography, GIS, human geography, environmental studies, and urban and land-use planning.

Required Core Courses (15 units)

GEOG 101	Our Physical Environment	3
GEOG 102	The Human Environment <i>or</i>	3
GEOG 107	World Regions and Interrelations	3
ENV 205	Our Environment Through Data	3
ENV 500GW	Physical and Human Dimensions of Climate Change – GEAR	3
ENV 690	Senior Capstone	3

Distribution Requirements (12-15 units)

One Course from each of the following 4 areas

Physical Environment – GEOG 302-399
Human Geography – GEOG 401-499
Human Environment Interaction in a Regional Context (Geog 550, 552, 575, 646, 647, 648, or 651)
Geographic Techniques – GEOG 601-637 <i>or</i> Applied Geography – GEOG 640-668

Guided electives (12 units) – some examples:

Human Geography : GEOG 401-499
Environmental Studies : GEOG 600, 316, 317, 342, 422, 427, 642, 647, 651, 657, 666, 667, 668
Physical Environment : GEOG 302-399; 602, 642, 647, 657
Resource Management : GEOG 317, 425, 427, 600, 602, 610, 611, 620, 621
Techniques of Geographic Analysis : GEOG 601, 602, 603, 606, 611, 620, 621, 625, 629
Urban Environment, Transportation and Land Use : GEOG 422, 423, 425, 427, 432, 433, 434, 435, 455, 601, 603, 651, 652, 658, 666, 667

Total Units B.A. Geography = 39-42

Upper Division GEOG Electives

312	Geography of Landforms
313	Earth's Climate System
314	Bioclimatology
316	Biogeography
317	Geography of Soils
342	Surface Water Hydrology
402	Human Response to Natural Hazards
421	Future Environments
422	Environmental Perception
423	Geographic Perspectives on Gender & Environment
425	Economic Geography
427	Agriculture and Food Supply
428	International Political Economy of Food and Hunger
430	Transforming Food and Ag Systems: Local to Global
432	Urban Geography
433	Urban Transportation
434	Geographies of Health and Health Care
435	Geography of Global Transportation
437	Bicycle Geographies
445	Geopolitics and Globalization
454	San Francisco on Foot
455	Geography of Ethnic Communities
550	Geography of the United States and Canada
552	Geography of California
575	Emerging China
600	Environmental Problems and Solutions
601	Field Methods in Human Geography
602	Field Methods in Physical Geography
603	Introduction to Geographic Information Systems
604	Environmental Data Science
606	Cartography
610	Remote Sensing of the Environment I
611	Remote Sensing of the Environment II
620	Geographical Information Systems
621	GIS for Environmental Analysis
625	Programming for Geographic Information Science
629	Coastal and Marine Applications of GIS
642	Watershed Assessment and Restoration
644	Water Quality
646	The Geography of Marine Resources
647	Geography of Water Resources
648	Management of National Parks and Protected Areas
651	San Francisco Bay Area Environmental Issues
652	Environmental Impact Analysis
657	Natural Resource Management: Biotic Resources
658	Land-Use Planning
666	Geography of Garbage: Recycling & Waste Reduction
667	Environmental Justice

