

ANTHROPOLOGY AND GEOGRAPHY (BS)

Offered at: San Luis Obispo Campus

The Anthropology and Geography major provides students with the skills for understanding and examining patterns of human activity and resource utilization across space and time, as well as the interactions between humans and the natural environment. Interdisciplinary in nature, this program focuses on the applied areas of cross-cultural studies, international development, ecological research design and method, the evolution of humans, environmental assessment, and sustainability. Courses in Anthropology and Geography train students to examine human ecology from the ancient past to the modern present through courses in biological evolution, cultural adaptations, behavioral ecology, environmental impacts, and the ecology of human health and disease. In addition, students gain an understanding of the physical environment in which humans are placed, through courses in physical geography, resource management, biogeography, and climatology. Students are trained in relevant skills, including Geographic Information Systems, remote sensing, and quantitative methods.

Students interested in this major should be curious about the relationships between humans and the environment (including biology, behavior, climate and landscapes) from a broad hands-on perspective. Our students typically have an interest in study abroad and involvement in international opportunities.

The program offers a four-year curriculum leading to a BS degree that prepares students for careers in environmental and regional planning, cultural resources management, archaeology, international development, climatology, science education, international health research, non-governmental organizations, and federal government work in behavioral analysis.

Internship or Study Abroad Requirement

As a means of promoting relevant job skills, hands-on learning, and field experience, Anthropology-Geography majors are required to complete either an approved internship or study abroad program. Students who do an internship will receive a minimum of 2 units of credit (ANT 4465 or GEOG 4465). The department will assist students in identifying suitable internships. However, students are encouraged to explore options for themselves based on their interests. In place of an internship, students may choose to participate in a study abroad program. Two units of approved coursework taken while studying abroad can be substituted for the internship course requirement.

Concentrations

Environmental Studies and Sustainability

Offered at: San Luis Obispo Campus

Provides students with an understanding of human environmental relationships, resource utilization, and human impact on the Earth. Current environmental issues are explained and evaluated in a global and historical context. Students learn the importance of sustainable land use practices and techniques for their successful implementation. Applied and technical skills important to assessing the environment and promoting sustainability are emphasized.

Global Studies and International Development

Offered at: San Luis Obispo Campus

Provides students with the theoretical knowledge and applied skills necessary for the study and practice of international development in cross-cultural settings. Students attain an in-depth knowledge of the social, political, economic, and ecological dimensions of international development and gain practical skills through research projects, international study, and applied internships. The concentration provides expertise and training for internationally focused careers, including public and private development institutions, the Peace Corps, the public health field, education, and numerous other careers where cross-cultural and international understanding are essential.

Human Ecology

Offered at: San Luis Obispo Campus

Students learn about the natural environment, human behavioral and cultural systems, and the complex interrelationships between the three. Major concepts and practice emphasize broad spatial and temporal perspectives. Students acquire knowledge and skills related to global and regional climate and physical geography, human evolution, cultural ecology, behavioral ecology, prehistoric and recent environmental change, indigenous cultures of the New World, methods for analyzing climate change and related human responses in the past and present.

Individualized Course of Study

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An Individualized Course of Study will consist of 16 units, with at least 8 units at the 3000-4000 level (except for students entering with a Anthropology or Geography Associates Degree for Transfer). Courses are selected by the student in consultation with an advising faculty member. The student must also provide a written justification for the courses and the way they constitute a cohesive, integrated course of study. The list of courses is a contract between the student and the Department. If students are completing a minor, courses from the minor may also be applied the ICS concentration.

Program Learning Objectives

1. Understand and appreciate the cultural and physical attributes of major world regions, key regional issues and linkages between regions, the processes that shape cultural change and interaction, and international development issues.
2. Demonstrate an in-depth knowledge of human ecology with specific emphasis on the ecological, demographic, genetic, developmental, and epidemiological dimensions of modern human adaptations and their evolutionary foundations over time and space.
3. Comprehend the historical place of humans around the globe and apply acquired skills for cultural resource management and conservation.
4. Analyze the processes that shape the earth's physical environment (e.g., climate, landforms, water, soils, biota, and ecosystems), the distributions of natural resources, and the ways in which humans utilize natural resources and impact the environment with an emphasis on sustainability.
5. Apply scientific research methodology and design, including the ability to collect, synthesize, and interpret qualitative and quantitative cultural and ecological data using a variety of methods including the utilization of geospatial technologies (GIS, remote sensing, and GPS).
6. Critically analyze issues from multiple perspectives and communicate results effectively.
7. Synthesize information and utilize acquired skills locally and globally to improve the state of the environment and the human condition by applying cultural, ecological, and spatial knowledge, methods, and techniques.

Degree Requirements and Curriculum

In addition to the program requirements listed on this page, students must also satisfy requirements outlined in more detail in the Minimum Requirements for Graduation (<https://catalog.calpoly.edu/academic-standards-policies/general-requirements-bachelors-degree/>) section of this catalog, including:

- 40 units of upper-division courses
- 2.0 GPA
- Graduation Writing Requirement (GWR)
- U.S. Cultural Pluralism (USCP)

Note: No Major, Support or Concentration courses may be selected as credit/no credit. In addition, no more than 12 units of cooperative or internship courses can count towards your degree requirements.

Code	Title	Units
MAJOR COURSES		
ANT 2201	Cultural Anthropology (4B) ¹	3
ANT 2202	World History Before Writing	3
ANT 2250	Biological Anthropology (5B) ¹	3
ANT 3360	Human Cultural Adaptations (Upper-Division 4) ¹	3
ANT/GEOG 3384	Professional Preparation for Anthropologists/Geographers	2
ANT/GEOG 4455	Anthropology-Geography Research Design and Methods	4
ANT/GEOG 4465	Internship ²	2
GEOG 1150	Human Geography	3
GEOG 2218	Applications in GIS	3
GEOG/ERSC 2250	Physical Geography	3
GEOG 3308	Global Geography	3
GEOG 3350	The Global Environment (Upper-Division 2/5) ¹	3
Methodological Elective		
Select from the following:		3
ANT 3310	Archaeological Field Methods	
ANT 3311	Archaeological Laboratory Methods	
ANT/ISLA 3393	Action-oriented Ethnography	
GEOG 3328	Applications in Remote Sensing and GIS	
GEOG 4441	Advanced Applications in Geospatial Technologies	
Regional Geography Elective		
Select from the following:		3
GEOG 3340	Geography of California	
GEOG 3370	Geography of Latin America	
GEOG 3380	Geography of the Caribbean	
Select any 3000-4000 level ANT courses		6
Select any 3000-4000 level GEOG course		3

Select any 3000-4000 level ANT, GEOG, or SOC course	3
Select from the following:	3
ANT 4461 & ANT 4462	Senior Project I and Senior Project II
GEOG 4461 & GEOG 4462	Senior Project I and Senior Project II
Concentration or Individualized Course of Study	
(See list of Concentrations and Individualized Course of Study below)	16
SUPPORT COURSES	
STAT 1110	Applied Statistical Concepts and Methods (2) ¹
GENERAL EDUCATION (GE)	
(See GE program requirements below)	28
FREE ELECTIVES	
Free Electives ³	17
Total Units	120

¹ Required in Major or Support; also satisfies General Education (GE) requirement.

² Approved study abroad course may substitute.

³ If a General Education (GE) course is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.

Concentrations

Environmental Studies and Sustainability

Code	Title	Units
REQUIRED COURSES		
Select from the following:		3
GEOG/ERSC 3325	Climate and Humanity	
GEOG/ERSC 4414	Global and Regional Climatology	
GEOG/ERSC 4415	Applied Meteorology and Climatology	
Select from the following:		3
GEOG 3328	Applications in Remote Sensing and GIS	
GEOG 4441	Advanced Applications in Geospatial Technologies	
GEOG 4435	Biodiversity and Biogeography Methods	3
Problems and Issues Courses		
Select from the following:		7
AG/PLSC 3315	Principles of Organic Crop Production	
ANT 3312	Introduction to Cultural Resources Management	
BIO 1114	Plant Diversity and Ecology	
BRAE 3348	Energy for a Sustainable Society	
EDES 4406	Sustainable Environments	
ENVE 3324	Introduction to Air Pollution	
GEOG/ERSC 3325	Climate and Humanity	
GEOG 4408	Geography of International Development	
GEOG/ERSC 4414	Global and Regional Climatology ¹	
GEOG/ERSC 4415	Applied Meteorology and Climatology ¹	
GEOL 2240	Physical Geology	
NR 3306	Natural Resource Ecology and Habitat Management	
POLS 3332	World Food Systems	
PSC 3320	Energy, Society, and the Environment	
SOC 3308	Sociology of the Environment	
SOC 4431	World Population Processes and Problems	

SS 1120	Introductory Soil Science	
Total Units		16

¹ Course may be taken if not used to satisfy a requirement listed above.

Global Studies and International Development

Code	Title	Units
REQUIRED COURSES		
ANT 4401	Culture and Health	4
GEOG 4408	Geography of International Development	3
Problems and Issues Courses		
Select from the following:		6
ANT 3330	Indigenous South Americans	
ANT 3345	Human Behavioral Ecology	
GEOG/ERSC 3325	Climate and Humanity	
GEOG 3328	Applications in Remote Sensing and GIS	
GEOG 3370	Geography of Latin America	
GEOG 3380	Geography of the Caribbean	
GEOG 4441	Advanced Applications in Geospatial Technologies	
Select from the following: ^{1,2}		3-4
CHIN 2201	Intermediate Chinese Language and Culture I ²	
CRP 3334	Cities in a Global World	
ECON 2040	Macroeconomics	
FR 2201	Intermediate French Language and Culture I ²	
GER 2201	Intermediate German Language and Culture ²	
ITAL 2201	Intermediate Italian I ²	
JPNS 2201	Intermediate Japanese I ²	
SPAN 2201	Intermediate Spanish I ²	
POLS 3332	World Food Systems	
SOC 3308	Sociology of the Environment	
SOC 3315	Global Race and Ethnic Relations	
SOC 3321	Migration	
SOC 4431	World Population Processes and Problems	
UNIV/PSC 3391	Engaging in Sustainable Global Development	
UNIV/PSC 3392	Collaboratively Developing Sustainable Technologies Globally	
WLC 2201	Intermediate World Language and Culture I ²	
WLC 3310	Humanities in World Cultures	
Total Units		16

¹ Units in excess of total will be applied towards major's free electives.

² Credit for a comparable level of proficiency may be substituted up to 3 units max.

Human Ecology

Code	Title	Units
REQUIRED COURSES		
ANT 3345	Human Behavioral Ecology	3
ANT 3309	Elements of Archaeology	3
or ANT 3320	California's Indigenous Past	
ANT 4401	Culture and Health	4
GEOG/ERSC 3325	Climate and Humanity	3
or GEOG 4408	Geography of International Development	
Select from the following: ¹		3-4

ANT 3310	Archaeological Field Methods
ANT 3311	Archaeological Laboratory Methods
ANT 3312	Introduction to Cultural Resources Management
ANT 3330	Indigenous South Americans
ANT 4415	Indigenous North Americans
ANT 4425	Meaning, Gender, and Identity in Anthropological Theory
GEOG 3340	Geography of California
GEOG 3370	Geography of Latin America
SOC 3308	Sociology of the Environment
SOC 3321	Migration
SOC 4431	World Population Processes and Problems

Total Units
16
¹ Units in excess of total will be applied towards major's free electives.

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General Education (GE) Requirements

- 43 units required, 15 of which are specified in Major and/or Support.
- If any of the remaining 28 Units is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.
- See the complete GE course listing (<https://catalog.calpoly.edu/academic-standards-policies/general-requirements-bachelors-degree/#generaleducationtext>).
- A grade of C- or better is required in one course in each of the following GE Areas: 1A (English Composition), 1B (Critical Thinking), 1C (Oral Communication), and 2 (Mathematics and Quantitative Reasoning).

Lower-Division General Education

Area 1	English Communication and Critical Thinking	
1A	Written Communication	3
1B	Critical Thinking	3
1C	Oral Communication	3
Area 2	Mathematics and Quantitative Reasoning	
2	Mathematics and Quantitative Reasoning (3 units in Support) ¹	0
Area 3	Arts and Humanities	
3A	Arts	3
3B	Humanities: Literature, Philosophy, Languages other than English	3
Area 4	Social and Behavioral Sciences (Area 4 courses must come from at least two different course prefixes.)	
4A	American Institutions (Title 5, Section 40404 Requirement)	3
4B	Social and Behavioral Sciences (3 units in Major) ¹	0
Area 5	Physical and Life Sciences	
5A	Physical Sciences	3
5B	Life Sciences (3 units in Major) ¹	0
5C	Laboratory (may be embedded in a 5A or 5B course)	1
Area 6	Ethnic Studies	
6	Ethnic Studies	3

Upper-Division General Education

Upper-Division 2/5	Mathematics and Quantitative Reasoning or Physical and Life Sciences (3 units in Major) ¹	0
Upper-Division 3	Arts and Humanities	3
Upper-Division 4	Social and Behavioral Sciences (Area 4 courses must come from at least two different course prefixes.) (3 units in Major) ¹	0
Total Units		28

¹ Required in Major or Support; also satisfies General Education (GE) requirement.

Coming soon