

## GEOGRAPHY

### Human Arts and Social Sciences Division

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Associate Degree  
for Transfer

*A Degree with a Guarantee.™*

### Geography A.A.-T Transfer Degree

The word Geography comes from ancient Greek language and means “to describe or write about the Earth.” Geography studies Earth’s natural and cultural systems, integrating data from the physical sciences, social sciences and humanities. Geographers make maps and use maps as tools for understanding how places differ from one another and for interpreting and explaining Earth’s landscapes, peoples, places, and environments.

Geographic studies are critical for understanding the international-global arena; past, present, and future. A degree in geography provides excellent opportunities for careers with city, county, and state governments in geographic information systems (GIS), urban planning, land use management, and environmental consulting. On a national level, many geographers are employed at the United States Geological Survey’s national mapping program. Geographers with advanced degrees may find positions in research or college-level teaching. The Geography department offers courses that serve as a basis for broad liberal education and for upper-division study in Geography and Earth Sciences. Cabrillo offers options for degrees in Geography.

The first option listed below is the Associate in Arts in Geography for Transfer (A.A.-T in Geography), which is intended for students who plan to transfer and complete a bachelor’s degree in Geography or a similar major at a CSU campus. Students completing the Associate in Arts in Geography for Transfer (A.A.- T in Geography) are guaranteed admission to the CSU system, but not to a particular campus or major. This Associate in Arts in Geography for Transfer (A.A.- T in Geography) may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system.

See Associate Degree for Transfer information in the Cabrillo College *Catalog*. The following is required for all A.A.-T or A.S.-T degrees:

- Completion of 60 CSU-transferable semester units.
- Minimum grade-point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.
- Completion of a minimum of 18 semester units in the major with a letter grade of “C” or better, or a “P” if the course is taken on a “Pass/No Pass” basis.

- Certified completion of the California State University General Education- Breadth pattern (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

### Learning Outcomes

The Cabrillo College Core Competencies (with an emphasis in the study of Geography):

1. Communication: Reading, Writing, Listening, Speaking, and/or Conversing
2. Critical Thinking and Information Competency: Analysis, Computation, Research, Problem Solving
3. Global Awareness: An appreciation of Scientific Processes, Global Systems and Civics, and Artistic Variety.
4. Personal Responsibility and Professional Development: Self-Management and Self-Awareness, Social and Physical Wellness, Workplace Skills

### CSU or IGETC for CSU General Education Requirements 37-39 Units Core (7 Units)

GEOG 1	Physical Geography .....	3
GEOG 1L	Physical Geography Laboratory.....	1
GEOG 2	Cultural Geography.....	3

#### List A-Select 6 units from: Units

GEOG 3	Introduction to Weather and Climate.....	3
GEOG 4	World Regional Geography .....	3
GEOG 5	California Geography .....	3
GEOG 17	Introduction to Geographic Information Systems and Techniques.....	3

#### List B-Select 6 units from: Units

ANTHR 1 or ANTHR 1H	Introduction to Anthropology: Biological .....	3
	Honors Introduction to Anthropology: Biological.....	3
ANTHR 2 or ANTHR 2H	Introduction to Anthropology: Cultural .....	3
ANTHR 3	Honors Introduction to Anthropology: Cultural.....	3
FR 3	Introduction to Anthropology: Archaeology .....	3
GEOG 3L	Intermediate French I.....	5
GEOL 10	Weather and Climate Laboratory.....	1
GEOL 20	Physical Geology.....	4
HORT 2	Historical Geology .....	4
ITAL 3	Soil Science and Management.....	4
MATH 12 or MATH 12H	Intermediate Italian I .....	5
	Elementary Statistics .....	5
PSYCH 2A	Honors Elementary Statistics .....	5
OCEAN 10	Statistics for Behavioral Sciences.....	3
PS 3	Introduction to Oceanography.....	4
SPAN 3	International Relations .....	3
SPAN 4	Intermediate Spanish I.....	5
	Intermediate Spanish II .....	5

Any lower-division major preparation course articulated to the Similar Major at a CSU

Note: All courses are also general education courses.

**Total Units** **60**

## Geography A.A. Degree

### Model Program

An Associate Degree requires 60 units appropriate to your educational goal, to include general education and at least 18 units in a major. Courses should be selected to meet the lower-division major preparation requirements at your intended transfer university - these specific requirements can be found at [www.assist.org](http://www.assist.org) for 4-year public institutions in California. Please see a counselor for advisement to ensure you are taking the best possible courses given your goal.

The department presents the following suggested model program for this major. The courses listed below may or may not be appropriate depending on your specific goal. Please see a counselor for advisement for transfer to any 4- year institution.

### Learning Outcomes

The Cabrillo College Core Competencies (with an emphasis in the study of Geography):

1. Communication: Reading, Writing, Listening, Speaking, and/or Conversing
2. Critical Thinking and Information Competency: Analysis, Computation, Research, Problem Solving
3. Global Awareness: An appreciation of Scientific Processes, Global Systems and Civics, and Artistic Variety
4. Personal Responsibility and Professional Development: Self-Management and Self-Awareness, Social and Physical Wellness, Workplace Skills

<b>A.A. General Education</b>	<b>30 Units</b>
<b>Core Courses (19 Units)</b>	<b>Units</b>
GEOG 1 Physical Geography .....	3
GEOG 1L Physical Geography Laboratory.....	1
GEOG 2 Cultural Geography.....	3
GEOG 3 Introduction to Weather and Climate.....	3
GEOG 4 World Regional Geography .....	3
GEOG 5 California Geography .....	3
GEOG 17 Introduction to Geographic Information Systems and Techniques.....	3

### Recommended Electives or any

<b>Course Numbered 1-99 (11 Units)</b>	<b>Units</b>
ANTHR 2 Introduction to Anthropology: Cultural .....	3
or	
ANTHR 2H Honors Introduction to Anthropology: Cultural .....	3
ANTHR 7 Peoples and Cultures of Non-Western Tradition: North America .....	3
ANTHR 17 Global Perspectives of Food and Culture.....	3
ES 10 Introduction to Environmental Science .....	3
GEOG 3L Weather and Climate Laboratory.....	1
GEOL 15 Environmental Geology .....	3
GEOL 20 Historical Geology .....	4
HIST 24 History of California .....	3
MATH 12 Elementary Statistics .....	5
or	
MATH 12H Honors Elementary Statistics .....	5
OCEAN 10 Introduction to Oceanography.....	4
Or any course numbered 1-99 .....	0 - 11

**Total Units** **60**

## Geography Courses

### GEOG 1 Physical Geography

3 units; 3 hours Lecture

Repeatability: May be taken a total of 1 time.

Studies Earth’s dynamic physical systems and processes, including Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasizes interrelationships between human and environmental systems. May be offered in a Distance-Learning Format.

*Transfer Credit:* Transfers to CSU; UC. C-ID: GEOG 110

### GEOG 1L Physical Geography Laboratory

1 unit; 3 hours Laboratory

Hybrid Requisite: Completion of or concurrent enrollment in GEOG 1.

Eligibility for MATH 154.

Repeatability: May be taken a total of 1 time.

Provides experiments and exercises relating to topics presented in GEOG 1-Physical Geography, including maps and mapping, the seasons, weather, geomorphology, and location drills.

*Transfer Credit:* Transfers to CSU; UC. C-ID: GEOG 111

### GEOG 2 Cultural Geography

3 units; 3 hours Lecture

Repeatability: May be taken a total of 1 time.

Introduces the cultural geographic landscape including diverse human populations, their origins, diffusion, and current distributions. Examines demography, social customs, languages, religions, political units and nationalism, economic systems and development, urban systems, and environmental impacts. May be offered in Distance-Learning Format.

*Transfer Credit:* Transfers to CSU; UC. C-ID: GEOG 120

### GEOG 3 Introduction to Weather and Climate

3 units; 3 hours Lecture

Recommended Preparation: Eligibility for Math 154.

Repeatability: May be taken a total of 1 time.

Introduces Earth’s atmosphere. Topics include: atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclones, weather forecasting, and climate and climate change. May be offered in Distance-Learning Format.

*Transfer Credit:* Transfers to CSU; UC.

### GEOG 3L Weather and Climate Lab

1 unit; 3 hours Laboratory

Hybrid Requisite: Completion of or concurrent enrollment in GEOG 3.

Emphasizes the nature and causes of weather and climate using exercises, weather data, and hands-on instrument use. May be offered in Distance-Learning Format.

*Transfer Credit:* Transfers to CSU; UC.

**GEOG 4            World Regional Geography**

3 units; 3 hours Lecture

Repeatability: May be taken a total of 1 time.

Surveys the world's geographic regions as interpreted by geographers, including physical, cultural, and economic features. Emphasizes spatial and historical influences on population growth, states and natural environments. Highlights environmental issues and significant features of world regions.

*Transfer Credit:* Transfers to CSU; UC. C-ID: GEOG 125

**GEOG 5            California Geography**

3 units; 3 hours Lecture

Repeatability: May be taken a total of 1 time.

Explores the physical and human landscapes of California and the development of the state as a result of human interactions with the environment. Topics relevant to the state's development and to geography are explored including: climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. May be offered in a Distance-Learning Format.

*Transfer Credit:* Transfers to CSU; UC C-ID: GEOG 140

**GEOG 17           Introduction to Geographic  
Information Systems and Techniques**

3 units; 3 hours Lecture

Prerequisite: GEOG 1.

Repeatability: May be taken a total of 1 time.

Studies Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS.

*Transfer Credit:* Transfers to CSU; UC. C-ID: GEOG 155