

# GEOGRAPHY ASSOCIATE OF SCIENCE DEGREE

The environmental and spatial science of geography examines both physical and cultural landscapes across the Earth. As a spatial science, physical and cultural location and patterns on Earth's surface are central to the study of geography. It includes the study of all forces of nature and the consequences of those forces, with an emphasis on human-environment interactions.

Specifically, geography integrates multiple natural and social sciences and includes: the nature and interactions of the atmosphere and the land, plants and animals, the Earth's waters, weather, climate, the Earth's dynamic surface, landforms and soil, and the way people have inhabited and altered the Earth by creating various forms of agriculture, language, religion, and cities.

Courses in geography fulfill the science and social sciences requirement for the associate degree, prepare the students for majoring in geography at a four-year institution, and supplement other studies for students interested in careers in environmental studies, education, engineering, urban planning, and architecture. Students planning to transfer to a four-year institution as a geography major should consult with a counselor regarding the transfer process and lower division requirements.

To graduate with a specialization in Geography, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units).

Code	Title	Units
<b>Required Courses</b>		
GEOG 102	Cultural Geography	3
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
or GEOG 111H	Physical Geography Laboratory - Honors	
Select twelve units from the following:		12
GEOG 100	Map Interpretation and Geospatial Analysis	3
or GIS 100	Map Interpretation and Geospatial Analysis	
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 114	Weather and Climate	4
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
GIS 130	Introduction to Geographic Information Systems (GIS)	3
or GEOG 130	Introduction to Geographic Information Systems (GIS)	
GIS 133	GIS Cartography and Base Map Development	3
ECON 208	Business and Economic Statistics	4
or MATH 108	Introduction to Probability and Statistics	
<b>Total Units</b>		<b>19</b>

Code	Title	Units
<b>Recommended Courses</b>		
ECON 100	Introduction to Economics	3
POLIT 100	American Politics	3
POLIT 141	Introduction to World Politics	3

SOC 100	Introduction to Sociology	3
or SOC 100H	Introduction to Sociology - Honors	

To earn an SBVC Associate Degree students must complete one of the following general education patterns:

SBVC GE requirements (<https://www.valleycollege.edu/student-services/counseling/graduation-requirements/>)

CSU GE requirements (<https://www.valleycollege.edu/student-services/counseling/csuge/>)

IGETC requirements (<https://www.valleycollege.edu/student-services/counseling/igetc/>)

## Program Learning Outcomes

**At the completion of this program, students will be able to:**

- Demonstrate expertise in basic cartographic principles, including map location, scale, and distortion
- Integrate fundamentals of sociology, biology, chemistry, physics, geology, and other social and natural sciences within a spatial network of human-environment interactions
- Interpret spatial patterns, as indicated on maps, and utilize tabular and textual information as a means to produce basic maps