

# GEOGRAPHY

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DIVISION: Natural Sciences

Geography is the study of Earth's diverse physical and human features, and the connections that exist between those features. This broad discipline focuses on spatial relationships and looks to solve the most pressing issues of today.

As a Geographer, you will be prepared for a variety of career fields including sustainability, education, environmental analysis, planning, and resource management. In fact, the U.S. Dept. of Labor has identified spatial sciences as one of the fastest growing fields of the century.

## Geosciences

Geosciences is one of the three fastest growing industries of the century. PCC's Geography courses are the starting point for entering this high-demand career field.

In PCC's Geography courses, you will study the physical and human geographic characteristics of a region. Earn an AA-T Degree in Geography, preparing you to transfer for further study in Geography. Or, take advantage of our GeoTech Skills Certificate, which will develop your skills in data capture, spatial and statistical analysis, modeling, and cartography.

## Geographic Information Systems

Geographic Information Systems is a framework to acquire, store, manage, analyze, and visualize spatial data. Traditional paper maps are able to display just one view of data, at one point in time. Using GIS allows the display of information in various space and time. GIS provides a suite of tools used to support many kinds of decision-making and statistical and spatial analysis. It is an applied discipline – a person does not simply “do GIS” but applies it to a variety of professional disciplines

- Geographic Information Systems and Technology – Associate in Science, Certificate of Achievement (<https://curriculum.pasadena.edu/academic-programs/geography/geographic-information-systems-and-technology-as-certificate-of-achievement/>)
- Geographic Information Systems – Certificate of Achievement (<https://curriculum.pasadena.edu/academic-programs/geography/geotech-gis-occupational-skills-cert/>)
- Geography – Associate in Arts Degree for Transfer to CSU (<https://curriculum.pasadena.edu/academic-programs/geography/geography-aat/>)