

AS Earth Science

A major in earth science prepares students for further study in the areas of geology, oceanography, meteorology and earth science. Each of these fields study features of the earth.

Career Opportunities

Study of the earth science prepares students for careers in real estate appraisal, location expertise, forestry technician, park ranger, hazardous waste planner, teacher, cartographer, GIS specialist, map librarian, community developer, weather forecaster, outdoor guide, soil conservationist, hydrologist, among others.

Program Learning Outcomes

Students completing this program will be able to:

1. Use the scientific method and appreciate its importance to the development of scientific thought.
2. Demonstrate critical thinking and analyze physical systems in terms of scientific concepts.
3. Document and communicate their work effectively.

AS Degree Requirements

Major: Core and Selective Requirements

Selective Courses, choose a minimum of 30 units from the following:

List A, choose a minimum of 7 units from the following:

	Units
GEOL 100 Introduction to Geology AND	3 units
GEOL 101 Geology Laboratory	1 unit
METE 100 Meteorology - Weather and Climate	3 units
OCEN 100 Oceanography AND	3 units
OCEN 101 Oceanography Lab	1 unit

List B, choose a minimum of 23 units from the following:

	Units
CHEM 210 General Chemistry I AND	5 units
CHEM 220 General Chemistry II	5 units
GEOG 100 Physical Geography	3 units
GEOG 101 Physical Geography Lab	1 unit
GEOG 110 Cultural Geography	3 units

GEOL 100 Introduction to Geology AND	3 units
GEOL 101 Geology Laboratory	1 unit
MATH 200 Elementary Probability and Statistics	4 units
MATH 251 Analytical Geometry and Calculus I AND	5 units
MATH 252 Analytical Geometry and Calculus II	5 units
METE 100 Meteorology - Weather and Climate	3 units
OCEN 100 Oceanography AND	3 units
OCEN 101 Oceanography Lab	1 unit
PHYS 210 General Physics I AND	4 units
PHYS 220 General Physics II OR	4 units
PHYS 250 Physics with Calculus I AND	4 units
PHYS 260 Physics with Calculus II AND	4 units
PHYS 270 Physics with Calculus III	4 units

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

Cañada College offers lower division coursework required for transfer in the areas related to Earth Science. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

