



Earth Science A.S. Degree

Goals and Objectives

This degree prepares students to transfer to a CSU upon completion and provides them with the necessary background to succeed in K-12 science teacher preparation.

Catalog Description

Earth Science applies multiple scientific disciplines to understand our planet, encompassing geology, oceanography, meteorology, astronomy, soil sciences, and environmental studies. This two-year Associate in Science program provides fundamental knowledge and skills for university transfer as a junior. Students are well-prepared to pursue Earth Science teacher preparation programs for elementary or secondary education. The curriculum also serves those seeking advanced degrees in Earth Science, Environmental Studies, or related geoscience fields, emphasizing the strong content knowledge essential for effective science teaching.

Program Requirements

Major requirements for the Associate in Science Degree (AS):

Required Core:

Units: 23.0

CHEM 10	Introductory Chemistry 	4.0
ESC 5	Oceanography 	3.0
ESC 5L	Oceanography Laboratory 	1.0
GEOL 1	Physical Geology 	4.0
GEOL 2	Historical Geology 	4.0
GEOG 4	Physical Geography 	3.0
MATH 61	Pre-Calculus 	4.0

Total: 23.0

Course Sequencing

Master Planning

The Earth Science program advances Chaffey College's mission by preparing diverse students for transfer into teacher preparation programs and earth science careers that strengthen economic and social mobility in our community. By addressing critical workforce needs for qualified K-12 science educators in our region, this program provides accessible, equitable access to comprehensive scientific education that aligns with California's higher education priorities of equity, innovation, and workforce preparation.

Annual Enrollment and Completer Projections

2

Place of Program in Curriculum/Similar Programs

The Earth Science A.S. degree is similar to the soon-to-be deactivated Physical Science - Earth Science Track A.S. but with an emphasis on preparing students for K-12 science education.

Similar Programs at Other Colleges in Service Area

None

Transfer Preparation

Local (Community Need)