

## Definition

Earth Science is the study of the Earth's atmosphere, lithosphere, hydrosphere, and biosphere together with its place in the solar system and the universe.

## Staff

To access faculty and staff, dial (661) 722-6300, then the 4-digit extension.

### Dean:

Christos Valiotis ext. 6415

### Administrative Assistant:

Wendy Cios ext. 6415

### Clerical Assistant III:

Suzanne Olson ext. 6415

### Department Chair:

Dr. Alexandra Schroer ext. 6922

### Lab Technician:

David Bermea ext. 6274

Jon Paul Bautista ext. 6705

### STEM

Christos Valiotis, Director ext. 6024

Jamie Jones, Coordinator ext. 6992

### Faculty:

Dr. Aurora Burd ext. 6896

Paul Stahmann ext. 6731

## Program Description

The Earth Science course will present an overview of the general principles of geology, astronomy, meteorology and oceanography.

## Distinctive Features

Traditional teaching may be supplemented with computer and Internet based activities. Laboratory activities will provide "hands-on" experiences and discovery into the natural, physical and chemical characteristics of the earth and our universe.

## Career Options

Environmental Management

Naturalist

School Teacher

(These careers require education beyond the two-year college level.)

## Certificate Program

Certificate is not available.

## Associate Degree

An associate degree with a major in Earth Science is not available. Earth Science course(s) can be included in the 18 units necessary for an associate degree with a major in Liberal Arts and Sciences. (See Graduation/Associate Degree Requirements.)

## Transfer

Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center and consult with a counselor as soon as possible. Additional information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: [www.assist.org](http://www.assist.org)

## Prerequisite Completion

If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade in order to enroll in the next course. According to Title 5, Section 55200(d), a satisfactory grade is a grade of "A," "B," "C" or "P". Classes in which the Pass/No Pass option is available are indicated with an asterisk (\*) before the course title. See "Pass/No Pass Option" in the catalog for full explanation.

## Earth Science Courses

### ERSC 101 \*INTRODUCTION TO EARTH SCIENCE

4 units

6 hours weekly

(3 hours lecture, 3 hours lab)

An introduction to the essentials of Earth Science with a laboratory. Topics include the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. (CSU, UC, AVC)