**Earth Science**

**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:
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Department Chair:
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Christos Valiotis, Director ext. 6024
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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

**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**

**ERC 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)