



## **CURRICULUM GUIDE 2011-2012**

### **GEOLOGY**

#### Certificate of Accomplishment in Geology

#### **Requirements for Certificate of Accomplishment:**

- a) Complete satisfactorily the courses listed for the particular certificate.
- b) Complete at least 50% of the required units at Ohlone College.
- c) Maintain a 2.0 grade point average.

#### **GEOLOGY**

This Certificate of Accomplishment signifies that students have received basic knowledge in geological sciences and skills, which facilitate paraprofessional employment such as geological technician and geological field assistant. It also provides a good foundation for continued study in the field of geology.

#### **Student Learning Outcomes**

1. Demonstrate scientific literacy by defining and explaining the major steps in the scientific method of investigation, specifically the difference between empirical data, interpretation, testable hypothesis, theory, paradigm, speculation, and pseudo-science.
2. Demonstrate an understanding of the geologic time scale and methods of measuring geologic time.
3. List, explain, and evaluate global and local (county-wide) geological hazards such as earthquakes, volcanoes, landslides, and seismic sea waves in terms of appropriate geological processes and the theory of plate tectonics.

GEOG-121	Introduction to Geographic Information Systems (GIS)	2
GEOL-101	Introduction to Geology	4
GEOL-102	Introduction to Oceanography	3
GEOL-102L	Oceanography Laboratory	1
GEOL-103	Paleontology and Dinosaurs	3
GEOL-103L	Earth History and Paleontology Laboratory	<u>1</u>
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