



CURRICULUM GUIDE 2012-2013

PALEOBIOLOGY/NATURAL HISTORY

Certificate of Accomplishment in Paleobiology/Natural History

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.

PALEOBIOLOGY/NATURAL HISTORY

This Certificate of Accomplishment signifies that students have received basic knowledge in natural sciences and skills, which facilitate paraprofessional employment such as geological/biological field assistant and field naturalist. It also provides a good foundation for continued study in a broad variety of scientific fields including Biology, Geology, and Paleontology.

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. Apply general math skills such as unit conversion, ratios, and percentages to solving simple rate problems; evaluate data, produce, and interpret tables and graphs; apply the metric system of measurement.
3. Demonstrate an understanding of the geologic time scale and methods of measuring geologic time.
4. Identify and classify the common earth materials, such as most common minerals, rocks, and fossils in the lab and in the field and their basic relationship to common natural resources.

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| ANTH-101 | Physical Anthropology | 4 |
| BIOL-130 | Introduction to Biology | 4 |
| GEOL-103 | Paleontology and Dinosaurs | 3 |
| GEOL-103L | Earth History and Paleontology Laboratory | $\frac{1}{12}$ |

Choose one from the following:

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| GEOG-101 | Physical Geography OR | 4 |
| GEOL-101 | Introduction to Geology | <u>(4)</u> |

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