

Program Learning Outcomes

Earth and Planetary Sciences

Graduates of the UC Santa Cruz Department of Earth and Planetary Sciences should be able to:

1. Describe and understand the origin of the solar system and Earth; the evolution of the solid Earth, hydrosphere and atmosphere; plate tectonics; climate change; biological evolution; and geochronology.
2. Identify common Earth materials and know how they form.
3. Utilize mathematical tools to address quantitative Earth science problems.
4. Synthesize and communicate their knowledge of geological concepts through written, oral and graphical representation.