

Are you interested in *science* but haven't found just the right field?

If you are interested in

- environmental issues • climate change •
- energy resources • volcanoes •
- earthquakes • fossils and ancient life •
- learning more about our sustainable planet •

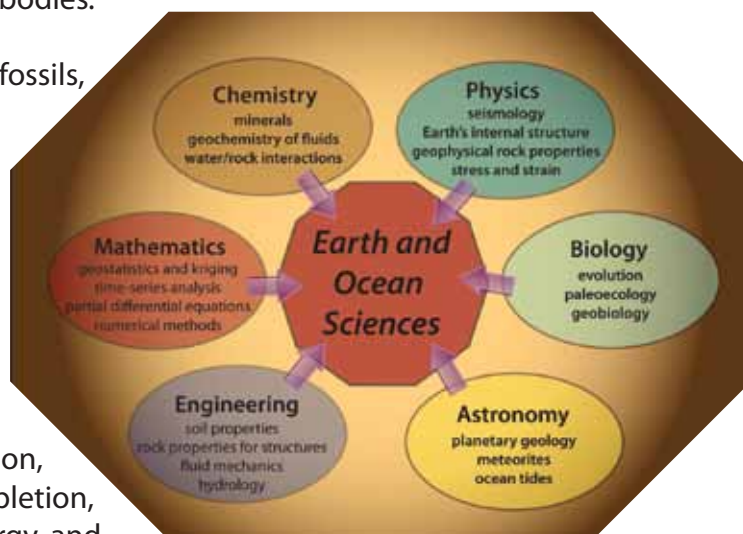


Consider the **Department of Earth and Ocean Sciences** for a major or a minor!

The Earth and ocean sciences are an interdisciplinary exploration of the dynamic processes that formed and continuously modify the Earth and other planetary bodies.

We study earthquakes, volcanoes, glaciers, climate, fossils, groundwater, Earth's crustal rocks, and even other planets in an effort to understand complex, interconnected planetary systems.

Disciplines like physics, chemistry, mathematics, and biology are interwoven with geologic and oceanographic sciences to solve geologic problems and learn about Earth's history. We study how the whole Earth system works as we address current problems such as groundwater contamination, climate change, coastal erosion, agricultural soil depletion, and extraction of resources including minerals, energy, and water. We study geologic processes and Earth's history to explain catastrophic phenomena like floods and tsunamis, as well as slower changes like rising sea level along coastlines.



Fundamentally, we work in all of Earth and ocean sciences!



Students work with M&Ms to model how crystals form and separate as molten rock solidifies in a volcanic flow.



Sasha uses the scanning electron microscope to determine the composition of minerals found in meteorites.