

# Earth Sciences

---

Earth Sciences is an interdisciplinary field that includes astronomy and space science, climatology, geology, physical geography, and oceanography. Students take courses in these areas of study to prepare for a major or to fulfill general education requirements in physical science.

## Academic and Career Pathway: Math and Sciences

### Contact Information

**Chair:** Erika Peters (Physical Sciences)  
**Department:** Physical Sciences  
**Office:** Building OC3600,  
 760.757.2121 x6924  
**Dean:** Michael Fino  
<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/earth-science/index.html>

### Full-Time Faculty

Roberto Falero  
 Eric Snortum  
 John Turbeville

### Courses

#### **EART 106: Earth and Space Science**

Units: 3  
 Prerequisites: None  
 Enrollment Limitation: not open to students with prior credit in EART 106H.  
 Acceptable for Credit: CSU, UC  
 Lecture 3 hours.  
 Course Typically Offered: Fall, Spring, and Summer

This course introduces astronomy, including planetary origin and motions; Earth science, including origin and composition of Earth, landforms, and plate tectonics; atmospheric processes, including climate and weather; Earth's oceans, other bodies of water, and their currents and tides; the hydrologic cycle. UC CREDIT LIMITATION: No credit if taken after a college level course in astronomy, Earth science, or geology.

#### **EART 106H: Earth and Space Science (Honors)**

Units: 3  
 Prerequisites: None  
 Enrollment Limitation: not open to students with prior credit in EART 106.  
 Acceptable for Credit: CSU, UC  
 Lecture 3 hours.  
 Course Typically Offered: Fall or Spring

This course offers highly motivated students an enriched introduction to the scientific study of the earth. The course introduces astronomy, including planetary origin and motions; Earth science, including origin and composition of Earth, landforms, and plate tectonics; atmospheric processes, including climate and weather; Earth's oceans, other bodies of water, and their currents and tides; the hydrologic cycle. UC CREDIT LIMITATION: No credit if taken after a college level course in astronomy, Earth science, or geology. C-ID GEOL-120.