

# NATURAL SCIENCES (OPEN)

The Natural Sciences seek to explain phenomena that occur in the biological, physical, and chemical realms of nature on Earth and in the universe. It seeks to apply tools such as mathematics to better understand all aspects of the world around us. The Natural Sciences utilizes scientific methods, empirical data, and research to test hypotheses and propose theories. It encourages curiosity and wonder, as well as pursuit of the answer to the most fundamental question: Why? The Natural Sciences provide a solid foundation for science practitioners as well as individuals seeking advanced degrees in related fields.

## DORNSIFE NATURAL SCIENCE MAJORS

- **Applied and Computational Mathematics**
- **Astronomy**
- **Biochemistry**
- **Biological Sciences**
- **Biophysics**
- **Chemistry**
- **Computational Neuroscience**
- **Earth Sciences**
- **Environmental Science and Health**
- **Environmental Studies**
- **Geological Sciences**
- **Human Biology**
- **Mathematics**
- **Neuroscience**
- **Physics**
- **Physics/Computer Science**
- **Quantitative Biology**

## ACADEMIC OPPORTUNITIES

**Supplemental Instruction:** This academic support program provides regularly scheduled peer-led study sessions for lower-division Biology, Chemistry, Math, and Physics courses.

**Freshman Science Honors Program:** FSH allows exceptional freshmen to engage in advanced versions of general biology and general chemistry through smaller classes and provides access to special lectures, tours, and field trips.

**Study Abroad:** Don't just read about the world -- engage with it! Spend a semester abroad in locations such as Australia, South Korea, or South Africa. Or, opt for a short-term experience through a Maymester or Problems Without Passports course. Past programs have enabled students to spend the summer at Oxford University studying international health policy or travel to the Netherlands and Germany to meet with leaders and understand how environmental policy is developed.

**Research:** Hands-on research opportunities for undergraduate students are plentiful. Work with a faculty member on Genomics and Epigenetics, use metabolic carts to examine oxygen consumption, or travel outside the classroom to collect geological data in the field and present it at a research symposium.