

# ENVIRONMENTAL SCIENCE AND HEALTH

This major couples work targeted at the Medical College Admission Test (MCAT) with an emphasis on resource sustainability and conservation. Students measure the health impacts of physical, chemical, and biological agents in the environment and determine how they can be controlled. They also examine sustainable approaches to problems related to areas such as energy, water, and transportation, and help develop strategies for protecting overall health in the face of continued global development.

## BACHELOR OF ARTS (BA) GENERAL OVERVIEW

### Six lower-division courses:

- General Chemistry A & B
- General Biology: Organismal Biology and Evolution
- General Biology: Cell Biology and Physiology
- Calculus I
- Physics for the Life Sciences A *or* Fundamentals of Physics I: Mechanics & Thermodynamics

### Seven upper-division courses:

- Water and Soil Sustainability A & B
- Energy and Air Sustainability
- Economics for Natural Resources and the Environment
- Health Behavior Statistical Methods
- Environmental Health in the Community *or* Science, Health and the Environment
- Politics of Global Environment
- Senior Seminar in Environmental Studies

### Additional five courses required for a Bachelor of Science (BS):

- Organic Chemistry A & B
- Molecular Biology
- Biochemistry
- Physics for the Life Sciences B *or* Fundamentals of Physics II: Electricity & Magnetism

## ACADEMIC OPPORTUNITIES

**Summer on Catalina Island:** The USC Wrigley Institute's Maymester on Catalina Island offers a unique four-week immersive experience. Students take core classes and participate in interdisciplinary activities like field research, problem-solving, and recreation, all focused on environmental leadership.

**Internships:** Engage in hands-on learning through working at different internships. Past students have interned at the Cabrillo Marine Aquarium, the United Nations Environment Programme, the Palos Verdes Peninsula Land Conservancy, and the World Wildlife Fund.