

# ENVIRONMENTAL SCIENCE AND HEALTH

This major couples work targeted at the 2015 MCAT revision 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**

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**

Seven upper-division courses:

- **Water and Soil Sustainability**
- **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**

## ACADEMIC OPPORTUNITIES

**Study Abroad in the Arctic Circle:** Travel to Iceland, Norway, and Finland during the summer through Problems Without Passports to study the complex issues surrounding climate change and its impact on the Arctic Region.

**Catalina Island Research Course:** A special section of the Water and Soil Sustainability course taught on Catalina Island with enhanced research, lab, and field studies, including an introduction to scientific diving.

**Integrated Ecosystem Management in Micronesia:** Field studies in Guam and Palau investigating important environmental issues such as ecologically sustainable development, fisheries management, protected area planning and assessment, and human health issues.