ENVIRONMENTAL SCIENCE & 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 energy, water, transportation, etc., and help develop strategies for protecting human and environmental health in the face of continued global development.

Opportunities for Students

- **Problems Without Passports and Maymester**: These summer-based programs combine problem-based or inquiry learning research exercises with study off-campus or in a foreign country.

- **Catalina Island Research (ENST 320a)**: 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.

- **Study Abroad**: Travel to Iceland, Norway, and Finland during the summer to study the complex issues surrounding climate change and its impact on the Arctic Region.

- **ENST 480: Integrated Ecosystem Management in Micronesia**: Field studies on Guam and Palau investigating important environmental issues such as ecologically sustainable development, fisheries management, protected-area planning and assessment, and human health issues.

Notable Courses

- **ENST 387: Economics for Natural Resources and the Environment** — An introduction to the economic tools and issues that affect natural resource use and environmental management.

- **ENST 495: Senior Seminar in Environmental Studies** — Students form multidisciplinary teams and are asked to study and resolve a major environmental problem facing a particular region or target population.

- **IR 323: Politics of Global Environment** — Examines the politics of managing the global environment. The nature of ecosystems, common problems, population and resource utilization problems along with biodiversity and global governance are emphasized.

## Bachelor of Arts (BA) Requirements

### Lower Division Requirements*
- CHEM 105: General Chemistry A & B
- BISC 120: General Biology — Organismal Biology and Evolution
  or BISC 121: Advanced General Biology — Organismal Biology and Evolution
- BISC 220: General Biology — Cell Biology and Physiology
  or BISC 221: Advanced General Biology — Cell Biology and Physiology
- MATH 125: Calculus I
- PHYS 135: Physics for the Life Sciences A
  or PHYS 151: Fundamentals of Physics I — Mechanics and Thermodynamics

### Upper Division Requirements*
- ENST 320a: Water and Soil Sustainability
- ENST 320b: Energy and Air Sustainability
- ENST 387: Economics for Natural Resources and the Environment
- ENST 495: Senior Seminar in Environmental Studies
- HP 340: Health Behavior Statistical Methods
- HP 408: Environmental Health in the Community
- IR 323: Politics of Global Environment

### Additional Bachelor of Science (BS) Requirements*
- CHEM 322: Organic Chemistry A & B
- BISC 320: Molecular Biology
- BISC 330: Biochemistry
- PHYS 135: Physics for the Life Sciences B
  or PHYS 152: Fundamentals of Physics II — Electricity and Magnetism

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*This information is offered as a partial overview only. For additional information, including all major requirements, please consult the USC Catalogue or [http://dornsife.usc.edu/environmental-studies/environmental-science-and-health-major/](http://dornsife.usc.edu/environmental-studies/environmental-science-and-health-major/). Updated as of August 2015.

**This does not represent all options in this category. For a complete list, please consult the USC Catalogue.