Learning Objectives

Environmental Studies majors will demonstrate:

- an interdisciplinary approach to complex environmental problems using basic tools of the natural and social sciences including geosystems, biology, chemistry, economics, political science and international processes;
- the ability to work effectively as a member of an interdisciplinary team on complex problems involving multiple competing stakeholders and agendas;
- the ability to work and learn effectively and constructively as a member of a team at field stations or in remote environmental sites on land or at sea;
- the ability to critically evaluate the science and policy ramifications of diverse energy portfolios on air and water quality, climate, weapons proliferation and societal stability;
- an experience-based understanding of the human and natural environment of southern California including water and energy needs, air quality, marine and coastal issues, and the California Channel Islands, especially Catalina;
- the ability to write effectively about complex environmental problems and do so for both specialist and general audiences with equal facility; and
- the ability to apply quantitative reasoning skills to environmental problems including basic calculations related to energy, water, and air issues and the use of statistical methods in data analysis and argumentation.