

# PIER

## Program for Interdisciplinary Environmental Research

### Training for UC San Diego Ph.D. Students

#### Discover solutions to today's environmental challenges

PIER is an approved specialization open to students in 11 UC San Diego departments - anthropology, biology, chemistry, economics, ethnic studies, philosophy, political science, Rady School of Management, sociology, Scripps Institution of Oceanography, and visual arts. PIER students are trained to find creative and practical solutions to global challenges within ecological, social, economic, and ethical constraints.

PIER trains tomorrow's leaders to analyze, manage, and remedy global environmental impacts.

Graduate students acquire the theoretical and practical knowledge to assess environmental, social, and economic consequences to understand the full dimension of environmental decision-making. PIER training develops marketable communication skills, conceptual flexibility, and cross-disciplinary language skills necessary in today's world.



This program is for those curious minds who are motivated to look beyond their home discipline to generate the bold new ideas to manage, and remedy the impacts of environmental challenges now and into the future.



Provide input to policy discussions

## Program Elements

The PIER specialization requires 30 units beyond what is required by the home Ph.D. department.

### **Introduction to Marine Biodiversity and Conservation** - 16 units Summer Only\*

Develops the basic understanding through the lens of biological science, economics, business, governance, and ethics. Provides communication skills practice and develops team research and management skills. \*9am-4pm M-F for 10 weeks, plus weekend field trips, individual and group assignments

### **Interdisciplinary Forum for Environmental Research (IFER)** - 6 units (2 units x 3)

Fosters a sense of community, collaboration, and communication across disciplines. Trainees acquire leadership skills.

### **Secondary Discipline Coursework** - 8 units

Expands the breadth of Ph.D. training in a secondary field to broaden the range of career paths.

## Opportunities

PIER encourages group research and internship opportunities when funding is available for these activities.

**Group Research** - learn shared leadership skills through collaborative research.

**Internships** - gain new insights from policy makers, businesses, NGOs and investigate alternative career options.

## Funding

**PIER is not a funding mechanism.** This specialization is for the motivated student who seeks to gain the skills needed in today's world. We do not have any grants or fellowships to offer candidates this year.

## Current UC San Diego Students How to apply

Students in the departments of Anthropology, Biology, Chemistry, Economics, Ethnic Studies, Philosophy, Political Science, Rady School of Management, Sociology and Visual Arts may apply for the PIER specialization upon completion of departmental core courses or upon advisor's recommendation.

Students submit a two-page essay, a letter of support from the advisor, and short-answer to [akellum@ucsd.edu](mailto:akellum@ucsd.edu) by January 31. The essay should clearly state how PIER interdisciplinary training will benefit the student's research and career path. *The advisor's letter must acknowledge the student's motivation to complete the training and emphasize the capabilities the student brings to the program. The letter must also acknowledge summer stipend support for the student.*

## SIO Candidates to UC San Diego: How to apply

Scripps Institution of Oceanography is the only department that selects candidates to PIER upon admission. A PIER essay is submitted as part of the application. This essay should describe the candidate's personal, research and career goals and describe how these will benefit from the integration of natural and social science.



Center for  
Marine  
Biodiversity and

UC San Diego

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OCEANOGRAPHY