

# Environmental Studies – Transfer

University of California, Santa Cruz  
2009-2010

## THE ENVIRONMENTAL STUDIES MAJOR

**The Department of Environmental Studies welcomes Transfer students in Fall quarter only.** A degree in environmental studies prepares students for meaningful lifetime engagement with the major environmental challenges facing society and for increasingly diverse career opportunities.

Introductory courses address the ecological and political-economic aspects of environmental issues. The interdisciplinary upper-division curriculum emphasizes the integration of ecological knowledge with an understanding of social institutions and policies in ways that support the conservation of biodiversity, the practice of sustainable agriculture, and the careful management of other ecological and environmental systems. The faculty work on these issues at local, regional, and global levels. Current faculty research focuses on Costa Rica, Panama, Mexico, Ethiopia, Peru, China, California, and the Monterey Bay region.

As a complement to classroom instruction and research, many of our students participate in field studies, internships, education abroad and independent study. The Environmental Studies Internship Program helps qualified students find placements with government and educational agencies, community organizations, and private firms. In addition, students are encouraged to participate in faculty-directed research on specific problems.

Students may undertake an environmental studies major or combined majors in

- environmental studies/biology
- environmental studies/Earth sciences
- environmental studies/economics

**We encourage students to add an additional major or add a minor in order to develop depth and an emphasis within Environmental Studies.**

## CAREER OPPORTUNITIES

*Students graduating from UCSC with a major in Environmental Studies have a good academic foundation for careers in the following fields, some of which require graduate study or other professional training.*

Environmental consulting  
Environmental impact assessment  
Sustainable development  
Environmental law  
Environmental policy/research  
Government, local/state/federal  
Journalism  
Environmental/science education  
Natural resource ecology/conservation  
Parks/natural reserve management  
Land use research/management  
Restoration ecology  
Conservation biology research  
Agroecology  
Integrated pest management  
Sustainable agriculture and development

*The Environmental Studies Undergraduate Handbook* presents detailed information about requirements for the major. The handbook is available on line at <http://envs.ucsc.edu>. The department also coordinates the combined majors in environmental studies/biology, environmental studies/earth sciences and environmental studies/economics.

The major requires six lower-division prerequisite courses and nine upper-division courses, including satisfaction of the senior exit/comprehensive requirement, for graduation from UCSC with a Bachelor of Arts degree in Environmental Studies.

## PREPARING FOR THE MAJOR IN ENVIRONMENTAL STUDIES

The following list are the lower division pre-requisites required for a single major in ENVS. All but Bio-statistics should be completed before transferring to UCSC. and must be completed before moving on to the upper division curriculum with the Envs 100/100L core course (taught fall qtr.only).

- (1) **Introductory Chemistry**
- (2) **General Ecology**
- (3) **Intro to Political Science**
- (4) **Introductory Economics**
- (5) **Precalculus/Pre-Stats**
- (6) **Bio-statistics (must be completed at UCSC)**
- (7) **Cultural Anthropology or Intro to Sociology or Ethics**

**Important note: Additional prerequisites apply for students wishing to pursue combined or double majors.**

**There are nine required upper-division courses:**

- Core course: ENVS 100/100L Ecology and Society
- Seven upper division environmental studies electives
- Senior comprehensive requirement

Check [www.assist.org](http://www.assist.org) for the most up-to-date transferable course listings.

Please contact the Undergraduate Advisor, Maria Ruby at [mruby@ucsc.edu](mailto:mruby@ucsc.edu) with your unofficial transcript early in June.

## SAMPLE PROGRAM

This shows a student who has completed all 6 of the pre-requisites except Biostatistics (AMS 7/L) and can take ENV5 100 when first entering UCSC in the Fall quarter. This also shows a student who has chosen to do an Internship as the Senior Exit requirement. There are 4 choices for the Senior Exit in ENV5.

<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
ENV5 100/L (only offered in the Fall) AMS 7/L	ENV5 Upper Division elective ENV5 Upper Division elective	ENV5 Upper Division elective ENV5 Upper Division elective
<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
ENV5 Upper Division elective ENV5 Upper Division elective	ENV5 Internship ENV5 Upper Division elective	ENV5 Senior Internship

For students planning **physical/biological science** programs, chemistry, physics and math will be added to this possible plan

### **BEST WAYS TO GET ADVICE:**

*For questions about prerequisites, preparing for the major, selecting courses and preparing for careers in environmental studies:* read the Environmental Studies Undergraduate Handbook, refer to the Undergraduate Program online <http://envs.ucsc.edu>, and come to the Fall Orientation. Plan on attending our Advising Fair, where you can talk with faculty, teaching assistants and juniors and seniors in the major.

### **FACULTY**

All of the faculty hold office hours during fall, winter and spring quarters, unless they are on sabbatical. The department does not assign faculty advisors to students, rather, we encourage students to take advantage of office hours and visit several faculty. The more you talk with faculty the better you will be able to decide upon and meet your goals.

**Jeffrey Bury**- Sustainable Development/Geography

**Weixin Cheng** – Soil Ecology

**Timothy Duane** – Environmental Law and Resource Management

**Margaret FitzSimmons**— Environmental Policy

**Gregory Gilbert**--- Ecology and Conservation Biology

**Stephen Gliessman**— Agroecology, natural history

**Brent Haddad**— Public Policy

**Karen Holl**— Restoration ecology

**Michael Loik**— Plant Physiological Ecology, Climate Change Ecology, Ecohydrology

**Deborah K. Letourneau**— Ecology/Entomology

**Barry Nickel** – Spatial/landscape ecology: geospatial tool development, ecological models,

**Daniel Press**— *Department Chair* Applied Environmental Policy Analysis

**Ravi Rajan**— Environmental history and political ecology

**Alan Richards** - Environmental economics

**Carol Shennan**— Agroecology and sustainable agriculture,

**Zdravka Tzankova** – Marine and Coastal Policy

**Christopher Wilmers** – Conservation Biology

**Erika Zavaleta**--- Ecology and Evolutionary Biology

## ENVIRONMENTAL STUDIES DEPARTMENT

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