

Environmental Studies Major

Landscape Ecology and Human Communities Concentration

This concentration emphasizes the scientific and management aspects of caring for landscapes, both “wild” and settled. Students gain understanding in the ecological and social processes that inform human choices in relation to landscape protection, stewardship, and development. Students develop critical skills in scientific observation, environmental planning, and policy development with an interdisciplinary grounding in the environmental and conservation sciences.

Required Courses (15 credits)

ENVS 001	Introduction to Environmental Studies
ENVS 002	International Environmental Studies
ENVS 151	Intermediate Environmental Studies
BCOR 102	Ecology and Evolution

Recommended science for CAS/CALS include: PBIO 004 or 006, GEOL 55, BIOL 002, CHEM 31, or (for CALS) ENSC 001.

Including the 9-credit senior capstone, CAS students need 23 additional elective credits. CALS and RSENR students need 35 additional elective credits. Choices must meet the following guidelines:

- At least two different topic areas must be represented.
- At least two courses from one topic area.
- At least one 200-level course.
- One breadth course at the 100-level in each of these four areas: env-related natural science, env-related humanities, env-related social science, and env-related international.

Courses may be selected from this list. Others may be approved by the Environmental Program Director.

Ecology of Cultivated Landscapes

ENVS/PSS 137 Landscape Design Fundamentals
ENVS/PSS 156 Permaculture
ENVS 238 Ecological Landscape Design
ENVS/PSS 296 SL: Café (en) Tacuba: El Salvador
ANTH 179 Cultural Ecology
ANTH 195 Env Anthropology
PSS 154 Composting Ecology & Management
PSS 161 Intro to Soil Science
PSS 212 Advanced Agroecology

Conservation and Stewardship

ENVS 174 Natural Areas Conservation and Stewardship
ENVS 177 Intro to Landscape Restoration
ENVS 195 Ethnobotany
ENVS 195 Traditional Ecological Knowledge
GEOG 173 Political Ecology
GEOG 195 Population Geography
NR 143 Introduction to GIS
NR 153 Introduction to Environmental Policy
NR 288 Ecological Design
NR 275 Natural Resources Planning
WFB 224 Conservation Biology

Natural History and Ecology

ENVS 173 Landscape Natural History
ENVS 195 Exploring Vt. Nat. Hist. Through Photography
ENVS 195 Nature Drawing
ENVS 195 Current Topics in Climate Change
BIOL 102 Environmental Biology
FOR 126 Forest Ecology Field trip
GEOG 142 Physical Geography
GEOG 143 Climatology
GEOL 101 Field Geology
GEOL 172 Regional Geology
NR 103 Ecological Processes (for non-RSENR)
NR 280 Stream Ecology
PBIO 109 Systematics and Phylogeny
PBIO 160 Plant Ecology
PSS 196 Drawing and Painting Botanicals
WFB 130 Ornithology
WFB 141 Field Herpetology
WFB 161 Fisheries Biology and Management
WFB 174 Principles of Wildlife Management
WFB 271 Wetlands Wildlife
WFB 273 Terrestrial Wildlife
WFB 279 Marine Ecology

Travel Study Courses as Appropriate