

## Environmental Studies Major Worksheet Natural Sciences Track

### 1. Core Courses

#### a. Science (two courses or course equivalents from )

- ES 137 Intro. to Env. Science
- Physics 123 The Earth's Dynamic System
- ES 125 Conservation Biology or Biology 261 Ecological Principles
- Chem 124 Chem. of the Env. or 119, or completion of two of these Chemistry courses (255/256, 391, 379)

#### b. Social Sciences (one from the following)

- ES 201 Topics in Global Environmental Politics
- ES 232 Environmental Policy and Regulation
- Pol Sci 276 Environmental Politics

#### c. Arts and Humanities (one of the following)

- ES 101 -109 The Environmental Imagination: Topics
- ES -259 Saving Wild Places
- ES -270 Nature and American Landscape
- English 276 Literature and the Environment
- History 240 Environmental History of Latin America
- History 275 Environmental History
- Philosophy 257 Environmental Ethics

### 2. Foundation Courses (two courses: one biology, one chemistry):

- Biology 261 Ecological Principles or
- Biology 226 Terrestrial Ecology (Australia)
- Chem 247/253 Organic Chemistry

### 2.5 Statistics for Scientists (required for all natural sciences track students)

- Math 212 Statistics for Scientists

### 3. Disciplinary Courses (three courses: two from grp. A OR two from grp. B, and one from group C):

#### A.

- Biology 242 Vertebrate Biology
- Biology 248 Invertebrate Zoology
- Biology 252 Plant Morphology
- Biology 263 Limnology
- Biology 371 Field Ecology

#### B.

- Chem 255/256 Analytical chemistry
- Chem 391 Special topics (Environmental Chemistry)
- Chem 379 Biochemistry

#### C.

- ES 245 Global Climate Change
- ES 255 Remote Sensing/GIS

### 4. Cognate Courses (at least two, one from social sciences and one from arts and humanities. NOTE: Course listed in the core groups above and not taken to meet a core requirement for that group may also be applied)

#### Social Sciences Cognate Group:

- Econ 242 Environmental Economics
- ES 201 Topics in Global Environmental Politics
- ES 225 Environmental Political Theory
- Poli Sci 220 Environmental Policy (Australia)
- So/An 222 Cultural Anthropology (Australia)

#### Arts and Humanities Cognate Group:

- One additional course from group 1c (above) or ES 222 or IS 207

### 5. Experiential Component

- All students majoring in Environmental Studies will participate in an experience which applies basic knowledge in a setting beyond the classroom. This may be one of the off-campus environmental studies courses/programs, or an internship, or a research project approved by the Chair. Guidelines and a set of approved courses are available from the Chair or from the ES WWW site.

### 6. Senior Capstone:

- ES 399 Senior Seminar