Environmental Studies Minor Checklist

To obtain a minor in ES, students must satisfy the following:

- Envr 201, *Introduction to Environmental Studies*
- Envr 269, *Environmental Ethics*
- Environmental Life Science requirement: Biol 109 or Biol 207 (Biol 207 requires Envr 201)
- Environmental Physical Science requirement: Chem 110, Chem 316 (requires Chem 205), or Envr 250
- One additional elective chosen from the courses listed below

The following courses involve significant overlap in content: Chem 110/316; Biol 101/225; Biol 109/207; and Math 324/395. Credit toward the major can be given for *only one* course in each pair; for example, credit can be given for *either* Chem 110 or Chem 316, but not both.
Environmental Studies Electives

ES minors must take at least one of the courses listed below.

ES majors must take at least one Research Methods course, plus an additional three units of electives (including other Research Methods courses). ES majors may obtain a Concentration by taking three units within one of the two indicated Concentrations.

Students may specialize by taking multiple electives within one of the indicated focus areas: Conservation Biology (CB), Environmental Geospatial Techniques (GT), Pollution Analysis and Control (PAC), Environmental Economics (EE), Environmental Policy (EP), and Sustainable Development (SD). Underlined abbreviations (e.g., CB) indicated courses that are strongly recommended if you are interested in that particular focus within ES.

In each of the following pairs of courses, only one course can be counted towards the major/minor: Biology 101/225; Biology 109/207; Chemistry 110/316; Math 324/395.

### Environmental Research Methods
- Envr 260, Intro to GIS (GT)
- Envr 360, Env Remote Sensing (GT)
- Envr 365, Advanced Spatial Analysis (GT)
- Anth 211, Intro to Ethnographic Field Methods*
- Chem 301, Quantitative Chemical Analysis* (PAC)
- Chem 302, Instrumentation & Spectroscopy* (PAC)
- Chem 303, Chemical Separations* (PAC)
- Econ 340, Econometrics* (EE)
- Math 219, Intro to Design of Experiments
- Math 324, Continuous Math Models* (CB,PAC)
- Math 395, Math Models Biology/Medicine* (CB,PAC)
- Plsc 373, Methods for Public Policy Research (EP)
- Soc 211, Sociological Research Methods*

### Environmental Science Concentration
- Biol 100, Biology of Plants
- Biol 101, Principles of Evolution
- Biol 108, Environmental Biology
- Biol 111, Marine Biology of the Chesapeake
- Biol 225, Evolution (CB)
- Biol 306, Systematic Botany (CB)
- Biol 332, Tropical Marine Biology*
- Biol 333, Microbial Ecology*
- Biol 334, Oceanography*
- Biol 344, Behavioral Ecology
- Biol 383, Tropical Biology & Conservation (CB)
- Chem 110, Pollutants in the Environment
- Chem 316, Environmental Chemistry* (PAC)
- Envr 250, Earth Systems & Physical Geography
- Geog 380, ST: Meteorology and Climatology
- Geol 398U, ST: Understanding the Earth

### Environment and Society Concentration
- Econ 211, Econ Development Asia, Africa, Latin America* (EE,SD)
- Engl 233, Native American Literature
- Envr 330, Envmtl & Resource Econ Theory* (EE)
- Envr 345, Society, Economy and Nature (SD)
- Geog 320, Power, Space and Territory (SD)
- Geog 370, Geographies of Econ Development and Globalization (SD,EE)
- Geog 380, ST: Ecotourism (CB)
- Geog 380, ST: Geography of Amazonia (CB,SD)
- Hist 390, Food and Power in Africa and Asia (SD)
- Jour 304, Reporting on the Environment
- Mgmt 348, Environmental Management
- Plsc 260, Public Policy (EP)
- Plsc 360, International Development Policy* (EP,SD)
- Psyc 327, Applied Social Psychology: Theory and Research