**Environmental Science Major (after Summer 2007)**  
**Winter 2012 TIP SHEET**

Bracketed codes refer to University General Education Requirements: A&L=Arts and Letters; SSC=Social Science; SC=Science; IC, IP, AC=Multicultural Codes.

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### AREA 1. Environmental Studies Core Requirements

ENVS 201 (Ingalsbee) Intro Env Studies: Social Sci (CRN 27040) [SSC]

### AREA 2. Math and Statistics Requirements

**Math**
- MATH 246 (tba) Calculus for Biological Sciences I (CRN 23840) [SC]
- MATH 247 (Price/tba) Calculus for Biological Sciences II (CRNs 23841/26027)
- MATH 251 Calculus I (multiple CRNs) [SC]
- MATH 252 Calculus II (multiple CRNs) [SC]

**Statistics**
- GEOL 418 (Davis) Earth & Env Data Analysis (CRN 22895)
- MATH 425 (Harker) Statistical Methods I (CRN 23883) [SC]
- SOC 312 (O’Brien) Quantitative Methods in Sociology (CRN 25455)

### Analytical Approaches

- GEOG 416 (Kohler) Intro to Geographic Information Systems (CRN 22810)
- GEOG 472 (Bone) Advanced Geographic Information Systems (CRN 26804)

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### AREA 3A. Natural Science Requirements

#### Life Sciences

**Lower division introductory sequences:**
- BI 211 (Hulslander/Wetherwax) General Bio I: Cells (CRNs 21468/26426) [SC]
- BI 212 (Carrier) General Biology II: Organisms (CRN 21478) [SC]
- BI 252 Genetics & Molecular Bio (CRN 21489) [SC]
- CH 222 (Hardwick/Herrick) General Chemistry II (CRNs 21715/21716) [SC]
- CH 228 (Herrmann) General Chemistry Lab II (CRNs 21718/26596)

**Upper division electives:**
- ANTH 375 (Ting) Primates in Ecological Communities (CRN 26968) [SC]
- ANTH 410 (Sugiyama) Methods in Evolutionary Anthropology (CRN 20844)
- BI 357 (Sutherland) Marine Biology (CRN 21504) [SC]
- BI 374 (Schlenoff) Conservation Biology (CRN 21512)
- BI 380 (Bradshaw) Evolution (CRN 21520)
- BI 471 (Green) Population Ecology (CRN 26471)
- CH 335 (Liu) Organic Chemistry II (CRN 21761)
- ENVS 465 (Bridgham) Wetland Ecology/Management (CRN 27013)

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**Earth and Physical Sciences**

#### Lower division introductory sequences:
- GEOL 202 (Schmidt) Earth Surface & Environmental Geology (CRN 22871) [SC]
- PHYS 202 (tba) General Physics II (multiple CRNs) [SC]
- PHYS 205 (tba) Intro Physics Lab II (multiple CRNs)

#### Upper division electives:
- ENVS 350 (Bothun) Ecology of Energy Generation (CRN 26991)
- GEOG 322 (Martinez) Geomorphology (CRN 22794) [SC]
- GEOG 425 (Fonstad) Hydrology & Water Resources (CRN 22815)
- *GEOL 304 (Baxter) Fossil Record (CRN 22875) [SC]*
- *GEOL 305 (Orcutt) Dinosaurs (CRN 27074) [SC] web*
- *GEOL 306 (Tozer) Volcanoes & Earthquakes (CRN 26624) [SC] web*
- *GEOL 307 (Orr) Oceanography (CRN 26625) [SC] web*
- *GEOL 308 (Miles) Oregon & Pacific NW (CRN 26623) [SC] web*
- GEOL 310 (Reed) Earth Resources & Environment (CRN 22876) [SC]
- GEOL 331 (Johnson) Mineralogy (CRN 22879)
- GEOL 353 (Deligne) Geologic Hazards (CRN 22882) [SC]
- GEOL 431 (Savage) Paleontology I: Paleozoic Marine Fossils (CRN 26578)
- GEOL 473 (Bindeman) Isotope Geochemistry (CRN 26570)

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### AREA 3B. Social Science, Policy, Humanities and Design

#### Social Science
- ENVS 435 (Norgaard) Environmental Justice (CRN 26996)
- SOC 304 (Wishart) Community, Environment & Society (CRN 25451) [SSC]

#### Policy
- ENVS 335 (Cameron) Allocating Scarce Env Resources (CRN 22559) [SSC]
- PPPM 444 (Jacobsen) Environmental Policy (CRN 27024)

#### Humanities
- ENG 469 (Rossi) Top Senses of Place (CRN 26527)
- GEOG 462 (tba) Views of the Environment (CRN 22817)
- J 463 (Blaine) Science Reporting (CRN 23434)

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### AREA 4. Environmental Issues

- ENVS 411 (Roddy/Toth) Communicating Env Issues w/ Theatre (CRN 22568)
- ENVS 411 (Nienaber) Pollution & Health (CRN 22569)

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### AREA 5. Practical Learning Experience (PLE)

- ENVS 404 (Boulay) Internship (CRN 22562)

*Only ONE course of GEOL 30X can be counted for the ESCI major.*