Environmental Science Major
Summer 2013 TIP SHEET

Bracketed codes refer to University Requirements: Arts and Letters = [>1]; Social Science = [>2]; Science = [>3]; Multicultural Codes = {IC}, {IP}, {AC}

**AREA 1. Environmental Studies Core Requirements**
ENVS 201 (Grisbys) Intro Env Studies: Social Science (CRN 40876) [>2]^a
ENVS 203 (Christion Myers) Intro Env Studies: Humanities (CRN 40877) [>1]^a

**AREA 2. Math and Statistics Requirements**
Math
MATH 251 (Kazaras/Sturgill) Calculus I (CRNs 41410/41411)
MATH 252 (Hardy/tba) Calculus II (CRNs 41412/41413)

Statistics
BI 399 (Bingham) Intro to Experimental Design and Stats (CRN 40421) [OIMB]
SOC 312 (Gulickson) Quantitative Methods in Sociology (CRN 41938)

Analytical Approaches
PPPM 434 (Callister) Urban Geographic Info Systems (CRN 41795)

**AREA 3A. Natural Science Requirements**
Life Sciences
Lower division introductory sequences:
BI 211 (Wetherwax) General Bio I: Cells (CRN 40405) [>3]
BI 212 (Prikkyl) General Bio II: Organisms (CRN 40410) [>3]
BI 213 (Policha) General Bio III: Populations (CRN 42263) [>3]
CH 111 (Willemens) Intro to Chem Principles (CRN 40542) [>3]
CH 221 (Chimplo) General Chemistry I (CRN 40543) [>3]
CH 222 (Chimplo) General Chemistry II (CRN 40544) [>3]
CH 223 (Chimplo) General Chemistry III (CRN 40545) [>3]
CH 227 (Fox) General Chemistry Lab I (CRN 40546)
CH 228 (Fox) General Chemistry Lab II (CRN 40551)
CH 229 (tba) General Chemistry Lab III (CRN 40556)

Upper division electives:
BI 448 (Holmes) Field Botany (CRN 40443)
BI 451 (tba) Invertebrate Zoology (CRN 40444) [OIMB]
BI 452 (Scherr) Insect Biology (CRN 40445)
BI 455 (Hodder/Warrick) Marine Birds & Mammals (CRN 40446) [OIMB]
BI 457 (tba) Marine Biology: Top Biology of Fishes (CRN 40447) [OIMB]
BI 459 (Gleason) Field Ornithology (CRN 40448)
BI 468 (Titus) Amphibians & Reptiles of Oregon (CRN 40449)
BI 474 (Trowbridge) Marine Ecology (CRN 40450) [OIMB]
CH 331 (Young) Organic Chemistry I (CRN 40561)
CH 335 (Young) Organic Chemistry II (CRN 40562)
CH 336 (Spessard) Organic Chemistry III (CRN 40563)
GEOG 323 (Flower) Biogeography (CRN 42621) [>3]

Earth and Physical Sciences
Lower division introductory sequences:
GEOG 141 (Goswami) Natural Environment (CRN 40965) [WEB] [>3]*
PHYS 201 (Griffith) General Physics I (CRN 41756) [>3]
PHYS 202 (Micklavzina) General Physics II (CRN 41757) [>3]

PHYS 203 (Scannell) General Physics III (CRN 41758) [>3]
PHYS 204 (Peck) Intro Physics Lab I (multiple CRNs)
PHYS 205 (Benegas) Intro Physics Lab II (multiple CRNs)
PHYS 206 (Shahir) Intro Physics Lab III (multiple CRNs)

Upper division electives:
GEOG 322 (Praskievicz) Geomorphology (CRN 40973) [>3]
GEOG 481 (Kohler) GIScience I (CRN 40972)
GEOL 304 (Miles) Fossil Record (CRN 42599) [WEB] [>3]**
GEOL 305 (Orcutt) Dinosaurs (CRN 42618) [WEB] [>3]**
GEOL 307 (Baxter) Oceanography (CRN 41004) [>3]**
GEOL 308 (Blackwell) Oregon & Pacific NW (CRN 41005) [>3]**
GEOL 308 (Miles) Oregon & Pacific NW (CRN 42600) [WEB] [>3]**

**AREA 3B. Upper-Division Social Science, Policy, Humanities, and Sustainable Design & Practice**

Social Science Core:
ENVS 435 (Bacon) Environmental Justice (CRN 42307)
ENVS 455 (Walker) Sustainability (CRN 40886)
GEOG 341 (Ptak) Population & Environment (CRN 40974) [>2] [IC]
SOC 304 (Friesen) Community, Environment, & Society (CRN 41935) [>2]

Policy Core:
PPPM 331 (Holtgrieve) Environmental Management (CRN 41782)
PPPM 443 (Nielsen-Pincus) Natural Resource Policy (CRN 42566)

Humanities Core:
ENVS 345 (Guernsey) Environmental Ethics (CRN 40878) [>1]^a
PHIL 340 (Schultz) Environmental Philosophy (CRN 41741) [>1]

Sustainable Design & Practice Core:
PPPM 445 (Lewis) Green Cities (CRN 42594)

**AREA 4. Environmental Issues Courses**
ENVS 411 (Crider) Top Law & Environment (CRN 40885)

**AREA 5. Practical Learning Experience**
ENVS 404 (Boulay) Internship (CRN 40882)

°Only one ENVS course may count towards general education group requirements
*GEOG 141 may only be used if Earth & Physical Science is NOT the focal area
**Only one GEOG 30X class may count towards ENVS/ESCI major requirements

DISCLAIMER: The tip sheet is to be used as a guide only. Changes may be made to the class schedule after the tip sheets have been published. Any class on the tip sheet or requirement sheet is guaranteed to count toward the major in the Area under which it is listed. Classes on the tip sheet count in the Area for that particular term.