Environmental Science Major
Spring 2014 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 203 (Toadvine) Intro to Env Studies: Humanities (CRN 34746) [>1]*

**Earth and Physical Sciences**

*Lower division introductory sequences:*
GEOG 141 (Gavin) The Natural Environment (CRN 34959 + Dis) [>3]*
GEOL 203 (Retallack) Evolution of Earth (CRN 35091 + Lab) [>3]
PHYS 203 (Jenkins) General Physics III (CRN 37423 or 37424 + Tutorial) [>3]
PHYS 206 (TBA) Intro Physics Lab III (multiple CRNs)

*Upper division electives:*
ENVS 477 (Marshall) Soil Science (CRN 38819 + Lab)
GEOG 321 (Bartlein) Climatology (CRN 34988) [>3]
GEOG 427 (McDowell) Fluvial Geomorphology (CRN 35003)
GEOG 432 (Bartlein) Climatological Aspects of Global Change (CRN 39007)
GEOG 481 (Lobben) GIScience I (CRN 35008 + Lab)
GEOG 304 (Miles) Fossil Record (CRN 38927) [WEB] [>3]
GEOG 305 (Baxter) Dinosaurs (CRN 35099) [>3]
GEOG 306 (Tozer, McKay) Volcanoes & Earthquakes (CRN 35000, 38931 [WEB]) [>3]
GEOG 307 (Vincent) Oceanography (CRN 35010) [>3]
GEOG 308 (Roering, Miles) Oregon & Pacific NW (CRN 38499, 38928 [WEB]) [>3]
GEOG 332 (Owen) Intro to Petrology (CRN 35102 + Lab)
GEOG 350 (Miller) Structural Geology (CRN 35105)
GEOG 410 (Jin) Environ Rxn Modeling (CRN 38492)
GEOG 451 (Hagimoto) Hydrogeology (CRN 35123)
GEOG 468 (Toomey) Intro Seismology (CRN 38494)
GEOG 472 (Reed) Aqueous Min Gas Equil (CRN 35124)

**AREA 2. Math and Statistics Requirements**

**Math**
MATH 247 (TBA) Calculus for the Biological Sciences II (CRN 36191) [>3]
MATH 251 (multiple instructors) Calculus I (multiple CRNs) [>3]
MATH 252 (multiple instructors) Calculus II (multiple CRNs) [>3]

**Statistics**
MATH 425 (Merchant) Statistical Methods I (CRN 36242)
SOC 312 (Southworth) Quantitative Methods in Sociology (CRN 37901)

**Analytical Approaches**
BI 473 (Bradshaw) Quantitative Ecology (CRN 38679)
GEOG 482 (Kohler) GIScience II (CRN 35011 + Lab)
GEOG 486 (Kohler) Remote Sensing II (CRN 35014)
GEOG 491 (Bone) Advanced GIS (CRN 35017 + Lab)
PPPM 434 (Yang) Urban Geographic Information Systems (CRN 37533 + Lab)

**AREA 3A. Natural Science Requirements**

**Life Sciences**
BI 212 (Carrier) General Biology II: Organisms (CRN 33563 + Lab) [>3]
BI 213 (Hulslander) General Biology III: Populations (CRN 33575 + Lab) [>3]
CH 223 (multiple instructors) General Chemistry (multiple CRNs) [>3]
CH 229 (Exton & Greenbowe) Gen Chemistry Lab (CRN 33830 + Lab)

**Upper division electives:**
BI 309 (Weeks) Diseases of Africa (CRN 33591 + Dis) [IC]
BI 330 + 331 (Womack, Kelly) Microbiology and Lab (CRN 33605 + Lab)
BI 390 (Shanks, Jarvis) Animal Behavior (CRN 33617) [OIMB]
BI 410 (Wetherwax) Neotropical Ecology (CRN 38929)
BI 442 (Policha) Systematic Botany (CRN 33685)
BI 451 (Watts, Meyer) Invertebrate Zoology (CRN 33686) [OIMB]
BI 457 (Maslakova, Hiebert) Topic: Embryology (CRN 33687) [OIMB]
BI 457 (Young, Burgess) Topic: Deep Sea Ecology (CRN 33688 ) [OIMB]
CH 336 (Williams) Organic Chemistry III (CRN 33876)

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GEOG 472 (Reed) Aqueous Min Gas Equil (CRN 35124)

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

**Social Science Core:**
PPPM 399 (TBA) Thinking Sustainably (CRN 37518)

**Policy Core:**
PPPM 408 (Holtgrieve) Environment Impact Assessment (CRN 39402) [WEB]
PPPM 443 (Giesen) Natural Resource Policy (CRN 37537)
PS 477 (Mitchell) International Environmental Politics (CRN 37629)

**Humanities Core:**
ENG 469 (LeManager) Lit & the Environment: Animals Lit & Film (CRN 38847)
HIST 467 (Weisgerber) American West (CRN 38556)
PHIL 340 (Brence) Environmental Philosophy (CRN 37373 + Dis) [>1]

**Sustainable Design & Practice Core:**
ARCH 430 (Muller & Keyes) Architectural Contexts (CRN 33022 + Dis)
**AREA 4. Environmental Issues Courses**
ENVS 411 (Eaton & Peach) What Makes Home (CRN 34767)
ENVS 411 (Hall) Imagining the Environment of Tomorrow (CRN 38818)

**AREA 5. Practical Learning Experience (PLE)**
ENVS 404 (Au) Internship (CRN 34767)

°Only one ENVS course may count towards general education group requirements if ENVS/ESCI is your 1st major
*GEOG 141 may only be used if Earth & Physical Science is NOT the focal area
**Only one GEOL 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.