

## Environmental Science Major

### Winter 2018 TIP SHEET

Bracketed codes refer to University Requirements: Arts and Letters = [>1]; Social Science = [>2]; Science = [>3];

Multicultural Codes = {IC}, {IP}, {AC}

ENVS 410 (Dickman) Forest Ecology & Mgmt (CRN 27343)

#### **AREA 1. Environmental Studies Core Requirements**

ENVS 201 (Walker) Intro Env Stu: Soc Sci (CRN 22794) [>2]°

#### **AREA 2. Math and Statistics Requirements**

##### **Math**

MATH 246 (Multiple Instructors) Calc for Biol Sci I (Multiple CRNs)

MATH 247 (tba) Calc for Biol Sci II (CRN 24228)

MATH 251 (Multiple Instructors) Calculus I (Multiple CRNs)

MATH 252 (Multiple Instructors) Calculus II (Multiple CRNs)

##### **Statistics**

GEOG 418 (Roering) Earth & Env Data Analy (CRN 23170)

GEOG 495 (Bartlein) Geographic Data Analy (CRN 23095)

MATH 425 (Yao) Statistical Methods I (CRN 24284)

SOC 312 (Greiner) Statistical Analy Soc (CRN 26017)

##### **Analytical Approaches**

ENVS 410 (Hallett) Visual Data Mgmt (CRN 27362)

ENVS 427 (Boulay) Envi and Ecol Monitoring (CRN 22826)~

GEOG 410 (Melgar Moctezuma) Earth Sci Comput Tools (CRN 27528)

#### **AREA 3A. Natural Science Requirements**

##### **LIFE SCIENCES**

##### ***Lower division introductory sequences:***

BI 211 (Prikryl/Wetherwax) Gen Biol I: Cells (CRNs 21665/21674) [>3]

BI 212 (Carrier) Gen Biol II: Organisms (CRN 21683) [>3]

CH 221 (tba) General Chemistry I (CRN 21952) [>3]

CH 222 (Exton/Greenbowe) General Chemistry II (CRN 21953/21954) [>3]

CH 227 (Kittredge) Gen Chemistry Lab (CRN 26994) [2 credits]\*

CH 228 (Exton, Greenbowe) Gen Chemistry Lab (CRN 21956/21985) [2 credits]\*

##### ***Upper division electives:***

ANTH 341 (Lee) Food Origins (CRN 26647) [>3]

ANTH 361 (Ulibarri) Human Evolution (CRN 26846) [>3]

ANTH 362 (Ulibarri) Human Biol Variation (CRN 21016) [>3] {IP}

ANTH 446 (Lee) Practica Archaeobotany (CRN 21044)

BI 309 (Weeks) Tropical Diseases Afr (CRN 21702) {IC}

BI 357 (tba) Marine Biology (CRN 21716) [>3]

BI 359 (Streisfeld) Plant Biology (CRN 26487)

BI 390 (Shanks/Schlenoff) Animal Behavior (CRNs 21732/21728) [OIMB/UO]

BI 457 (Galloway) Top Marine Conservation (CRN 21814) [OIMB] [5 credits]

BI 471 (Roy) Population Ecology (CRN 27006)

BI 472 (Bohannon) Community Ecology (CRN 21816)

CH 335 (Haley) Organic Chemistry II (CRN 22000)

#### **EARTH AND PHYSICAL SCIENCES**

##### ***Lower division introductory sequences:***

GEOG 141 (Zettler-Mann) Natural Environment (CRN 23039) [>3]\*\*

GEOG 102 (Polizotto) Envir Geol & Land Dev (CRNs 23120/23121) [>3]

GEOG 201 (Blackwell) Earth's Interior Heat (CRN 26725) [>3]

GEOG 202 (Webb) Surface & Envir Geol (CRN 23141) [>3]

PHYS 202 (Jenkins/Micklavzina) General Physics (Multiple CRNs/25524) [>3]

PHYS 205 (Scannell) Intro Physics Lab (Multiple CRNs)\*

##### ***Upper division electives:***

ENVS 350 (Bothun) Ecol Energy Generation (CRN 27418)

ENVS 465 (Bridgham) Wetland Ecol/Mgmt (CRN 27354)

GEOG 322 (McDowell) Geomorphology (CRN 23069) [>3]

GEOG 421 (Bartlein) Adv Climatology: Topic (CRN 27406) [>3]

GEOG 461 (Kohler) Environment Alteration (CRN 26948)

GEOG 425 (Sproles) Hydrology and Water Res (CRN 23085)

GEOG 482 (Kohler) GIScience II (CRN 23089)

GEOG 304 (Baxter) Fossil Record (CRN 23145) [>3]\*\*\*

GEOG 305 (Baxter) Dinosaurs (CRN 23146) [>3]\*\*\*

GEOG 306 (Karlstrom) Volcanoes & Earthquakes (CRN 26718) [>3]\*\*\*

GEOG 308 (Tozer) Oregon & Pacific NW (CRN 26717) [>3]\*\*\*

GEOG 310 (Mckay) Earth Resources & Envir (CRN 23148) [WEB] [>3]

GEOG 316 (Jin) Intro Hydrogeology (CRN 26761)

GEOG 332 (Bindeman) Intro Petrology (CRN 23152) [5 credits]

GEOG 353 (Watkins) Geological Hazards (CRN 26783) [>3]

GEOG 425 (Reed) Geol of Ore Deposits (CRN 26803) [5 credits]

GEOG 462 (Rempel) Environmental Geomech (CRN 26973)

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

**Social Science Core:**

GEOG 410 (Walker) Oregon Environ Politic (CRN 27158)  
SOC 410 (Bacon) Salmon & Society (CRN 27584)

**Policy Core:**

ENVS 335 (Cameron) Alloc Scarce Env Res (CRN 22814) [>2]°  
PPPM 444 (Jacobsen) Environmental Policy (CRN 26591)

**Humanities Core:**

ENG 363 (Wald) Chicano/Latino Writers (CRN 26841) {IP}  
ENVS 345 (Schreiner) Environmental Ethics (CRN 27411) [>1]°  
HIST 467 (Weisiger) American West (CRN 27226)  
PHIL 340 (Brence) Environmental Philos (CRN 26529) [>1]  
TA 472 (May) Top Theatr-Env Justice (CRN 26307) {AC}

**Sustainable Design & Practice Core:**

PPPM 442 (Yang) Sustainable Urban Dev (CRN 25636)  
ENVS 400M (Rempel) Passive Heating (27430)  
LA 410 (Russel) Sust Des Princ & Practice (CRN 23952)

**AREA 4. Environmental Issues Courses:**

ENVS 410 (Martin) Consumerism and the Environment (CRN 22823)  
ENVS 411 (Faye) Top Food, Trees, Cultr (CRN 22824)  
ENVS 425 (Lynch) Top Env Ed Thry & Prac (CRN 22825)

**AREA 5. Practical Learning Experience**

ENVS 404 (tba) Intern Env Studies (CRN 22817)

**Additional ENVS Course: This course does not count towards major requirements, but is a great opportunity for career development.**

ENVS 399 (Elderbrock) Sp St Careers Course (CRN 27625) [2 credits]

°Only one ENVS course may count towards general education group requirements if ENVS/ESCI is your 1<sup>st</sup> major.

\*Recommended course only, does not count towards major.

\*\*GEOG 141 may only be used if Earth & Physical Sciences is your non-focal area.

\*\*\*Only one GEOL 30X class may count towards ENVS/ESCI major requirements

~This course may count for Area 3A instead.

**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**

