

## Environmental Science Major

### Fall 2018 TIP SHEET

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

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

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

ENVS 203 (Wald) Intro Env Stu: Hum (CRN 12237) [>1]°

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

##### **Math**

MATH 246 (tba) Calc for Bio Sci I (multiple CRNs)

MATH 251 (tba) Calculus I (multiple CRNs)

MATH 252 (tba) Calculus II (multiple CRNs)

##### **Statistics**

MATH 425 (tba) Statistical Methods I (CRN 13788)

SOC 312 (Erickson) Statistical Analy Soc (CRN 15515)

##### **Analytical Approaches**

BI 410 (Hallett) Data Mgmt & Visual (CRN 17098)

GEOG 481 (Schmitdke) GIScience I (CRN 12600)

LA 410 (Lee) Data Visualization (CRN 13470) [WEB]

LA 413 (Enright) Analyzing Land Systems (CRN 13471) ~

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

##### **Life Sciences**

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

BI 211 (Huslander/Barber) Gen Biol I: Cells (CRN 11031/11040) [>3]

BI 213 (Wetherwax) Gen Biol III: Populations (CRN 11049) [>3]

CH 111 (Greenbowe) Intro Chem Principles (CRN 11326) [>3]

CH 221 (Exton) General Chemistry I (CRN 11337/11338) [>3]

CH 223 (Gervasi) General Chemistry III (CRN 11339) [>3]

CH 227 (Exton/Greenbowe) Gen Chemistry Lab (multiple CRN's) [2 credits]+

CH 229 (Kittredge) Gen Chemistry Lab III (CRN 16308) [2 credits]+

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

ANTH 341 (Lee) Food Origins (CRN 16296) [>3]

ANTH 446 (Lee) Practica Archaeobotany (CRN 16342)

BI 359 (Streisfeld) Plant Biology (CRN 17029)

BI 370 (Policha) Ecology (CRN 11084) [5 credits]

BI 380 (tba) Evolution (CRN 11087)

BI 410 (Wood) Tropical Marine Ecolog (CRN 16559)

BI 432 (Stone) Mycology (CRN 11171) [5 credits]

BI 454 (Emlet) Estuarine Biology (CRN 11173) [OIMB] [5 credits]

BI 457 (Galloway) Top Marine Conservatn (CRN 11174) [OIMB] [5 credits]

BI 458 (Shanks) Biol Oceanography (CRN 11175) [OIMB] [5 credits]

CH 331 (Lohrman) Organic Chemistry I (CRN 11396)

##### **Earth and Physical Sciences**

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

GEOG 141 (Fonstad) Natural Environment (CRN 12553) \* [>3]

GEOG 101 (Watkins) Planet Earth (CRN 12641/12649) [>3]

GEOG 201 (Thomas) Dynamic Planet (CRN 12661) [>3]

GEOG 203 (Blackwell) History of Life (CRN 16460) [>3]

PHYS 201 (Jenkins/Micklavzina/Jenkins) General Physics (CRN 14998/15007/15011) [>3]

PHYS 204 (Scannell) Intro Physics Lab (multiple CRNs) [2 credits]+

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

ENVS 477 (Silva) Soil Science (CRN 12269)

GEOG 322 (tba) Geomorphology (CRN 16051) [>3]

GEOG 430 (Gavin) Long-Term Envir Change (CRN 16046)

GEOG 482 (tba) GIScience II (CRN 16048)

GEOG 485 (Kohler) Remote Sensing I (CRN 12605)

GEOG 490 (Merson) GIScience: Webmapping (CRN 16049)

GEOG 305 (Baxter) Dinosaurs (CRN 12666)\*\* [>3]

GEOG 306 (Tozer) Volcanoes & Earthquake (CRN 12667) \*\* [>3]

GEOG 310 (Rusk) Earth Resources & Envir (CRN 12668) [WEB] [>3]

GEOG 316 (Jin) Intro Hydrogeology (CRN 16053)

GEOG 331 (Blackwell) Mineralogy (CRN 12670)

GEOG 353 (Mckay) Geologic Hazards (CRN 12673) [WEB] [>3]

GEOG 415 (Toomey) Field Geophysics (CRN 16118)

GEOG 434 (Hopkins) Verteb Paleontology (CRN 12687)

GEOG 472 (Reed) Aqueous Min Gas Equil (CRN 16188)

GEOG 473 (Bindeman) Isotope Geochemistry (CRN 16197)

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

##### **Social Science Core:**

GEOG 341 (Cohen) Population & Environment (CRN 12587) [>2] {IC}

SOC 416 (Norgaard) Top Climate Change (CRN 15537)

##### **Policy Core:**

PPPM 408 (Holtgrieve) Wrk Env Impact Assessm (CRN 15116) [WEB]

PPPM 443 (tba) Natural Resource Pol (CRN 15126)

PPPM 444 (Jacobsen) Environmental Policy (CRN 17112)

PS 477 (Mitchell) Intl Environ Politics (CRN 15232)

**Humanities Core:**

ARH 410 (Scott) Land and Environ Art (CRN 16611)  
ENVS 345 (Guernsey) Environmental Ethics (CRN 12253) [>1]°  
ENG 469 (Rossi) Top Senses of Place (CRN 16459)  
HIST 378 (Dennis) Amer Env Hist to 1890 (CRN 1288) [>2] {AC}  
HIST 473 (Dennis) Top US Cities & Envir (CRN 16753)  
PHIL 340 (tba) Environmental Philos (CRN 16103) [>1]

**Sustainable Design & Practice Core:**

ARCH 435 (Gast) Princ Urban Design (CRN 10473) [PDX]  
ENVS 410 (Rempel) Climate Responsive Des (CRN 16178)  
LA 441 (Johnson) Principles of Applied Ecology (CRN 13472)~  
PPPM 445 (tba) Green Cities (CRN 15127)

**AREA 4. Environmental Issues Courses**

ENVS 411 (Boulay) Top Wolves in Oregon (CRN 16191)#  
ENVS 411 (Shtob) Top Design of Disaster (CRN 16785)

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

ENVS 404 (tba) Internship (CRN 12261)

°Only one ENVS course may count towards general education group requirements if ENVS/ESCI is your primary major

+Highly recommended course only, does not count towards major requirements

\*GEOG 141 may only be used if Earth & Physical Science is NOT the focal area.

CH 111 may only be used if Life Sciences is NOT the focal area.

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

~Instructor approval required

#Application required

**PLEASE NOTE:**

- 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 for that particular term.
- Some courses may be restricted to certain majors for the first few days of registration. You can look up individual CRN information in the class schedule to learn about pre-requisites, registration restrictions and other important information.

