

Environmental Science Major  
Fall 2022 TIP SHEET

**Bracketed codes refer to University Requirements: Arts and Letters = [>1]; Social Science = [>2]; Science = [>3];  
Multicultural Codes for students enrolled prior to Fall 2019 = [IC], [IP], [AC]  
Cultural Literacy Codes starting Fall 2019: Global Perspectives = {GP} ; US = Difference, Inequality, Agency {US}**

**AREA 1. Environmental Studies Core Requirements**

ENVS 203 (LeMenager) Intro to Env Studies: Humanities (CRN 13387) [>1]

**AREA 2. Math and Statistics Requirements**

**Math**

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

MATH 251 (multiple) Calculus I (multiple CRNs)

MATH 252 (multiple) Calculus II (multiple CRNs)

**Statistics**

MATH 425 (tba) Statistical Methods I (CRN 12528)

SOC 312 (York) Statistical Analy Soc (CRN 11373)

**Analytical Approaches**

BI 410 (Hallett) Data Visualization (CRN 12795)

GEOG 481 (Fish) GI Science (CRN 12238)

**AREA 3A. Natural Science Requirements**

**Life Sciences**

***Lower division introductory sequences:***

BI 211 (Barber/Prikryl) Gen Biol I: Cells (CRN 12700/12701) [>3]

BI 213 (tba) Gen Biol III: Populat (CRN 12702) [>3]

CH 111 (tba) Intro Chem Principles (CRN 13018/13019) [>3]\*

CH 221 (Gupta/tba) General Chemistry I (CRN 13020/13021) [>3]

CH 223 (Longergan) General Chemistry III (CRN 13022) [>3]

***Upper division electives:***

BI 307 (Diez) Forest Biology (CRN 12710) [>3]

BI 357 (Sutherland) Marine Biology (CRN 12719) [>3]

BI 380 (Kern) Evolution (CRN 12724)

BI 454 (Emlet) Estuarine Biology (CRN 15213) OIMB

BI 457 (Galloway) Top Marine Conservation (CRN 15211) OIMB

BI 458 (tba) Biol Oceanography (CRN 15207) OIMB

BI 488 (Streisfeld) Evolutionary Processes (CRN 12800)

CH 331 (Glass) Organic Chemistry I (multiple CRNs)

ENVS 410 (Boulay) Wolves: Ecology & Poli (CRN 13411)

GEOG 323 (Gavin) Biogeography (CRN 12223) [>3]

**Earth and Physical Sciences**

***Lower division introductory sequences:***

ERTH 101 (Watkins) Exploring Planet Earth (CRN 14095) [>3]

ERTH 201 (Thomas) Dynamic Planet Earth (CRN 14116) [>3]

ERTH 203 (Davis) History of Life (CRN 14120) [>3]

GEOG 141 (Fonstad) The Natural Environment (CRN 12209) [>3]\*

PHYS 201 (Banaver) General Physics (CRN 11436) [>3]

***Upper division electives:***

ERTH 305 (Baxter) Dinosaurs (CRN 14123) [>3]\*\*

ERTH 306 (Giachetti) Volcanoes & Earthquakes (CRN 14124) [>3]\*\*

ERTH 308 (Tozer) Oregon & Pacific NW (CRN 14125) [>3]\*\*

ERTH 311 (Wallace) Earth Materials (CRN 14126) (5 Credits)

ERTH 316 (Jin) Intro Hydrogeology (CRN 14129)

ERTH 331 (Bindeman) Mineralogy (CRN 14133)

ERTH 353 (McKay) Geological Hazards (CRN 14136) [>3] ASYNC WEB

ERTH 410 (Giachetti) Volcanology (CRN 14148)

ERTH 441 (Roering) Hillslope Geomorphology (CRN 14151)

GEOG 427 (Fonstad) Fluvial Geomorphology (CRN 15216)

GEOG 430 (Gavin) Long-Term Environmental Change (CRN 12235)

GEOG 485 (Cooley) Remote Sensing I (CRN 12246)

GEOG 491 (Kohler) Adv GIS: Python (CRN 12249)

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

**Social Science Foundation:**

EDST 410 (Stapleton) Teach Climate Activism (CRN 11924)

ENVS 410 (Lynch) Understanding Place (CRN 13412)

ENVS 435 (Norgaard) Environmental Justice (CRN 13413)

GEOG 341 (Cohen) Population & Environment (CRN 12228) [>2] {>GP} {>IC}

SOC 416 (Sikirica) Top Climate Enrgy & Soc (CRN 11389)

**Policy Foundation:**

PPPM 443 (Rosgenberg) Natural Resource Pol (CRN 11707)  
PPPM 444 (Jacobsen) Environmental Policy (CRN 11708)

**Humanities Foundation:**

ENVS 345 (Morar) Environmental Ethics (CRN 13403) [>1]  
HIST 469 (Ostler) Top Indian Removal (CRN 13492)

**Sustainable Design & Practice Foundation:**

ARCH 345 (Gast) Princ Urban Design (CRN 16278) PDX  
LA 441 (Apostol) Applied Ecology (CRN 15571)  
LA 474 (Eischeid) Hist Landscape Arch I (CRN 15546)  
PPPM 445 (Stephens) Green Cities (CRN 11709)

**AREA 4. Environmental Issues Courses**

ENVS 411 (Hayes) Top Water Arts & Ecol (CRN 13424)

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

ENVS 404 (STAFF) Internship (CRN 13408)

**KEY**

**\*CH 111 only counts if Life Sciences is the non-focal area and GEOG 141 only counts if Earth & Physical Sciences is the non-focal area.**  
**\*\*Only one EARTH 30X class may count towards ENVS/ESCI major requirements**  
**OIMB= Oregon Institute of Marine Biology**  
**PDX= Class meets in Portland**  
**ASYNCH WEB= No on-campus meetings or scheduled meeting times. Class is asynchronous.**

**PLEASE NOTE:**

- **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 for that particular term.**
- **Up to three ENVS courses may count towards different general education group requirements if ENVS is your primary major**
- **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, fees, field trips, registration restrictions and other important information**

