Environmental Science Major
Fall 2019 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 (Wald) Intro Env Studies: Hum (CRN 12174) [>1] *

AREA 2. Math and Statistics Requirements
Math
MATH 246 (tba) Calc for Biol Sci I (Multiple CRN’s)
MATH 251 (tba) Calculus I (Multiple CRN’s)
MATH 252 (tba) Calculus II (Multiple CRN’s)

Statistics
MATH 425 (tba) Statistical Methods I (CRN 13795)
SOC 312 (York) Statistical Analy Soc (CRN 15561)

Analytical Approaches
GEOG 481 (Fish) GIScience I (CRN 12532)
GEOL 410 (Sahakian) Earth Sci Comput Tools (CRN 12630)

AREA 3A. Natural Science Requirements
Life Sciences
Lower division introductory sequences:
BI 211 (Hulslander) Gen Biol I: Cells (CRN 10960) [>3]
BI 213 (Wetherwax) Gen Biol III: Populat (CRN 10978) [>3]
CH 111 (Schabes) Intro Chem Principles (CRN 11260/16358) [>3]*
CH 221 (Exton) General Chemistry I (CRN 11269/11270) [>3]
CH 223 (Nazin) General Chemistry III (CRN 11271) [>3]

Upper division electives:
ANTH 341 (Lee) Food Origins (CRN 10255) [>3]
ANTH 362 (DuBois) Human Biol Variation (CRN 16302) [>3] {IP} [WEB]
ANTH 467 (Blumenthal) Paleoecol Human Evol (CRN 16312)
BI 370 (Policha) Ecology (CRN 11017)
BI 380 (Bradshaw) Evolution (CRN 11020)
BI 432 (Stone) Mycology (CRN 1104)
BI 454 (Emlet) Estuarine Biology (CRN 11106) [OIMB]
BI 457 (Galloway) Marine Conservatn (CRN 11107) [OIMB]
BI 458 (Shanks) Biol Oceanography (CRN 11109) [OIMB]
BI 476 (Bridgham) Terrest Ecosys Ecol (CRN 16204)
CH 331 (Doxsee) Organic Chemistry I (CRN 11328)
GEOG 323 (Chritz) Biogeography (CRN 16072) [>3]
GEOG 433 (Gavin) Fire & Natural Disturb (CRN 16389)

Earth and Physical Sciences
Lower division introductory sequences:
GEOG 141 (Fonstad) The Natural Environment (CRN 12476) [>3]*
GEOL 101 (Rempel) Exploring Planet Earth (CRN 12579) [>3]
GEOL 201 (Melgar Moctezuma) Dynamic Planet Earth (CRN 12599) [>3]
GEOL 203 (Blackwell) History of Life (CRN 12603) [>3]
PHYS 201 (Johnson) General Physics I (CRN 15029) [>3]

Upper division electives:
ENVS 465 (Bridgham) Wetland Ecology & Management (CRN 16141)
ENVS 477 (Silva) Soil Science (CRN 12205)
GEOG 485 (Kohler) Remote Sensing I (CRN 12540)
GEOG 491 (Kohler) Advanced GIS (CRN 16428)
GEOL 305 (Baxter) Dinosaurs (CRN 12607) [>3]**
GEOL 306 (Giachetti) Volcanoes & Earthquakes (CRN 12608) [>3]**
GEOL 308 (Tozer) Oregon & Pacific NW (CRN 16136) [>3]**
GEOL 310 (Rusk) Earth Resources & Environment (CRN 12609) [>3] [WEB]
GEOL 316 (Jin) Intro Hydrogeology (CRN 12610)
GEOL 331 (Blackwell) Mineralogy (CRN 12614)
GEOL 353 (Mckay) Geologic Hazards (CRN 12617) [>3] [WEB]
GEOL 473 (Binderman) Isotope Geochemistry (CRN 12637)

AREA 3B. Upper-Division Social Science, Policy, Humanities, and Sustainable Design & Practice
Social Science Core:
ENVS 410 (Lynch) Understanding Place (CRN 17028)
GEOG 341 (Cohen) Population & Environment (CRN 12510) [>2] [IC]

Policy Core:
PPPM 408 (Holtgrieve) Environmental Impact Assessment (CRN 15151) [WEB]
PPPM 443 (Rosenberg) Natural Resource Policy (CRN 15161)
PS 367 (Mitchell) Science and Politics of Climate Change (CRN 16153) [>2]
PS 477 (Mitchell) International Environmental Politics (CRN 15267)

Humanities Core:
ARH 399 (Scott) Art, Visual Culture, and Climate Change (CRN 16853)
**Sustainable Design & Practice Core:**
ENVS 410 (Russell) Water, Pub Health, Env (CRN 16458)
LA 410 (Russell) Sust Des Princ & Pract (CRN 13446)
LA 441 (Johnson) Princ Applied Ecology (CRN 13449)
PPPM 445 (Arroyo) Green Cities (CRN 15163)

**AREA 4. Environmental Issues Courses**
ENVS 411 (Vinyeta) Top Species in Conflict (CRN 12204)
ENVS 411 (Maggiulli) Top Ecohor Fear Rhet (CRN 16461)

**AREA 5. Practical Learning Experience (PLE)**
ENVS 404 (tba) Internship (CRN 12197)

*Only one ENVS course may count towards general education group requirements if ENVS/ESCI is your 1st major*
*CH 111/GEOG 141 may only be used if that course is taken as part of your NON-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.