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 (Schmidtke) 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)
BI 213 (Wetherwax) Gen Biol III: Populations (CRN 11049)
CH 111 (Greenbowe) Intro Chem Principles (CRN 11326)
CH 221 (Exton) General Chemistry I (CRN 11337/11338)
CH 223 (Gervasi) General Chemistry III (CRN 11339)
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)
ANTH 446 (Lee) Practica Archaeobotany (CRN 16342)
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 41 (Fonstad) Natural Environment (CRN 12553) *
GEOL 101 (Watkins) Planet Earth (CRN 12641/12649)
GEOL 201 (Thomas) Dynamic Planet (CRN 12661)
GEOL 203 (Blackwell) History of Life (CRN 16460)
PHYS 201 (Jenkins/Micklavzina/Jenkins) General Physics (CRN 14998/15007/15011)
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)
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)
GEOL 305 (Baxter) Dinosaurs (CRN 12666)**
GEOL 306 (Tozer) Volcanoes & Earthquake (CRN 12667) **
GEOL 310 (Rusk) Earth Resources & Envir (CRN 12668) [WEB]
GEOL 316 (Jin) Intro Hydrogeology (CRN 16053)
GEOL 331 (Blackwell) Mineralogy (CRN 12670)
GEOL 353 (Mckay) Geologic Hazards (CRN 12673) [WEB]
GEOL 415 (Toomey) Field Geophysics (CRN 16118)
GEOL 434 (Hopkins) Vertebrate Paleontology (CRN 12687)
GEOL 472 (Reed) Aqueous Min Gas Equil (CRN 16188)
GEOL 473 (Binderman) 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)
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.