Environmental Science Major
Spring 2021 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}

Unless otherwise noted, classes are remote. Remote courses have class meeting days and times as scheduled and will include live engagement during scheduled class periods.

AREA 1. Environmental Studies Core Requirements
ENVS 201 (Martin) Intro Env Studies: Soc Sci (CRN 32099) [>2]
ENVS 203 (Scott) Intro Env Studies: Hum (CRN 32112) [>1]

AREA 2. Math and Statistics Requirements
Math
MATH 247 (Fisher) Calc for Biol Sci II (CRN 33448)
MATH 251 (tba) Calculus I (multiple CRNs)
MATH 252 (tba) Calculus II (multiple CRNs)

Statistics
MATH 425 (Pazdan-Siudeja) Statistical Methods I (CRN 33501)

Analytical Approaches
If you are graduating S21 and need an Analytical Approaches course, see your Tykeson Adviser.

AREA 3A. Natural Science Requirements
Life Sciences
Lower division introductory sequences:
BI 212 (Carrier) Gen Biol II: Organisms (CRN 30965) [>3]
BI 213 (Wetherwax) Gen Biol III: Population (CRN 30972) [>3]
CH 222 (Boettcher) General Chemistry II (CRN 31244) [>3]
CH 223 (Lonegan) General Chemistry III (CRN 31245) [>3]

Upper division electives:
ANTH 341 (tba) Food Origins (CRN 36408) [>3]
ANTH 361 (Blumenthal) Human Evolution (CRN 35591) [>3]
ANTH 463 (Ulibarri) Primate Behavior (CRN 36195) WEB
BI 330 (Prikryl) Microbiology (3 credits) (CRN 31001)
BI 331 (tba) Microbiology Lab (3 credits) (multiple CRNs) Hybrid
BI 390 (Shanks) Animal Behavior (CRN 31010) OIMB
BI 390 (Shanks) Animal Behavior (CRN 36667)
BI 395 (McGuire) Tropical Ecology (CRN 36685)
BI 410 (McGuire) Microbial Ecology (CRN 31095)
BI 442 (Stankuna) Systematic Botany (CRN 31099)
BI 451 (Emlet/Watts) Invertebrate Zoology (CRN 35580) OIMB
BI 474 (Galloway) Marine Ecology (CRN 35584) OIMB
CH 336 (Jasti) Organic Chemistry III (CRN 31291)

Earth and Physical Sciences
Lower division introductory sequences:
ERTH 103 (Tate) Exploring Earth History (CRN 32397) [>3]
ERTH 202 (Chaussard) Earth Surface/Environ (CRN 32418) [>3]
ERTH 203 (Retallack) Evolution of the Earth (CRN 32421) [>3]
GEOG 141 (Saban) The Natural Environment (CRN 32319) [>3] WEB *
PHYS 203 (Ursell) General Physics (CRN 34532) [>3]
PHYS 206 (Scannel) Intro Physics Lab (multiple CRNs)

Upper division electives:
ERTH 305 (Baxter) Dinosaurs (CRN 32424) [>3] WEB**
ERTH 306 (Townsend) Volcanoes & Earthquakes (CRN 32425) [>3]**
ERTH 307 (Martin/Hager) Oceanography (CRN 32426) [>3]**
ERTH 316 (Rempel) Intro Hydrogeology (CRN 32432)
ERTH 334 (Dorsey) Sediment & Stratigraph (CRN 32436) Hybrid
ERTH 350 (Miller) Structural Geology (3 credits) (CRN 32439) %
ERTH 351 (Miller) Structural Geol Prob (1 credit) (CRN 32440) %
ERTH 352 (Miller) Struc Geol Lab & Field (1 credit) (multiple CRNs) %
ERTH 353 (Thomas) Geological Hazards (CRN 32443) [>3] Hybrid
ERTH 435 (Retallack) Paleopedology (CRN 36592) Hybrid
GEOG 322 (Fonstad) Geomorphology (CRN 36737) [>3]
GEOG 360 (McDowell) Watershed Sci & Pol (CRN 32339)
GEOG 361 (Silva) Global Environ Change (CRN 36738)
GEOG 490 (Fonstand) Top Map with Drone (CRN 32358)
**AREA 3B. Upper-Division Social Science, Policy, Humanities, and Sustainable Design & Practice**

**Social Science Foundation:**
- ENVS 450 (Walker) Political Ecology (CRN 36044)
- GEOG 410 (Walker) Oregon Environ Politics (CRN 32349)
- ES 354 (Pulido) Environmental Racism (CRN 32178) [≥2], [≥IP], [≥GP]
- SOC 416 (Lievanos) Top Envrnmt & Health (CRN 35029)

**Humanities Foundation:**
- ARH 368 (Scott) Art Visual Climate Chg (CRN 35537) [≥GP]
- HIST 473 (Weisiger) Top: Amer Envir Hist (CRN 36793)
- PHIL 340 (Muraca) Environmental Philos (CRN 35483) [≥1]

**Sustainable Design & Practice Foundation:**
- ARCH 435 (Gast) Principles of Urban Design (CRN 36763)
- ENVS 493M (Rempel) Passive Cooling (CRN 32137)
- LA 440 (Ko) Intro Landsc Plan Ana (CRN 33195)
- LA 459 (Russel) Top Sustainable Sites (CRN 33197)

**AREA 4. Environmental Issues Courses**
- ENVS 411 (Maggiulli) Top Futurity... (CRN 32131)
- ENVS (White) Top Plant to Pharmacy (CRN 32132)

**AREA 5. Practical Learning Experience (PLE)**
- ENVS 404 (STAFF) Internship (CRN 32123)
- ENVS 429L (Boulay/Lynch) Top Environ Leadership (CRN 36821/36822) +

**KEY**
* GEOG 141 may only be used if Earth & Physical Science is NOT the focal area
** Only one ERTH 30X class may count towards ENVS/ESCI major requirements
+ Must be enrolled in the Environmental Leadership Program
% GEOL 351 and GEOL 352 are corequisites with GEOL 350
OIMB= Oregon Institute of Marine Biology
PDX= Taught through the Portland UO Campus. Most Portland UO classes are remote Spring 2021.
WEB= No on-campus meetings or scheduled meeting times. Class is asynchronous
On Campus= On-campus meeting times and locations as scheduled
Remote= Courses have class meeting days and times as scheduled and will include live engagement during scheduled class periods.
Hybrid= Lectures are remote or asynchronous, while discussion sessions or labs are on campus.

**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, registration restrictions and other important information.