

Environmental Science Major

Winter 2023 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 201 (Muraca) Intro Env Studies: Soc Sci (CRN 21801) [>2]

ENVS 203 (Scott) Intro Env Studies: Hum (CRN 25515) [>1]

AREA 2. Math and Statistics Requirements

Math

MATH 246 (Xu/tba) Calc for Biol Sci I (23098/23099)

MATH 247 (Fisher) Calc for Biol Sci II (23100/23101)

MATH 251 (tba) Calculus I (multiple CRNs)

MATH 252 (multiple) Calculus II (multiple CRNs)

Statistics

ERTH 418 (Roering) Earth & Env Data Analy (21922)

MATH 425 (Pazdan-Siudeja) Statistical Methods I (CRN 23150)^A

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

Analytical Approaches

ENVS 427 (Boulay) Envir & Eco Monitoring (CRN 21844)^B

GEOG 481 (tba) GIScience I (CRN 22128)

AREA 3A. Natural Science Requirements

Life Sciences

Lower division introductory sequences:

BI 211 (Jud) Gen Biol I: Cells (CRN 20749) [>3]

BI 212 (Carrier) Gen Biol III: Organisms (CRN 20759) [>3]

CH 221 (Lonergan/Exton) General Chemistry I (CRN 21041/21042) [>3]

CH 222 (Lohrman/Gupta) General Chemistry II (CRN 21043/25946) [>3]

CH 227 (Glass/Clayton) Gen Chemistry Lab (CRN 21045/21056)^C

CH 228 (Gupta/Lohrman) Gen Chemistry Lab (CRN 21077/25947)^C

Upper division electives:

BI 370 (Policha) Ecology (CRN 20801)

BI 471 (Diez) Population Ecology (CRN 20893)

BI 472 (Bohannan) Community Ecology (CRN 25417)

CH 335 (Haley) Organic Chemistry II (CRN 21096)

Earth and Physical Sciences

Lower division introductory sequences:

ERTH 102 (Miller) Exploring Earth Enviro (CRN 21865/21874) [>3]

ERTH 201 (Sahakian) Dynamic Planet Earth (CRN 21886) [>3]

ERTH 202 (Polizzotto) Earth Surface & Enviro (CRN 21889) [>3]

GEOG 141 (Gavin) Natural Environment (CRN 22094) [>3]^D

PHYS 202 (Strom) General Physics (CRN 24167/24175) [>3]

Upper division electives:

ERTH 304 (Barrett) Fossil Record (CRN 21894) [>3]^E

ERTH 305 (Baxter) Dinosaurs (CRN 26253) [>3]^E

ERTH 306 (Karlstrom) Volcanoes & Earthquakes (CRN 25621) [>3]^E

ERTH 307 (Baxter) Oceanography (CRN 21895) [>3]^E

ERTH 308 (Tozer) Oregon & Pacific NW (CRN 21896) [>3]^E

ERTH 310 (Mckay) Earth Resource & Envir (CRN 21897) [>3]

ERTH 315 (Karlstrom) Earth Physics (CRN 21898)

ERTH 332 (Bindeman) Intro Petrology (CRN 21901)

ERTH 353 (Mckay) Geologic Hazards (CRN 21904)

ERTH 410 (Rempel) Intro to Glaciology (CRN 25622)

ERTH 434 (Davis) Verteb Paleontology (CRN 25624)

GEOG 321 (Bartlein) Climatology (CRN 22109)

GEOG 360 (McDowell) Watershed Sci & Pol (CRN 22112) [>3]

GEOG 482 (Kohler) GIScience II (CRN 22133)

GEOG 485 (Ryan) Remote Sensing I (CRN 22136)

GEOG 490 (Ryan) Top Geospat Data Sci (CRN 22141)

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

Social Science Foundation:

ENVS 450 (Walker) Political Ecology (CRN 25525)

SOC 416 (McGee) Top Race & Climate Chg (CRN 24631)

SOC 416 (tba) Top Environ Justice (CRN 24632)

Policy Foundation:

See a Tykeson academic adviser if you need a Policy Foundation course to graduate Fall 2022.

Humanities Foundation:

ENVS 410 (Wald) Top Nat in Pop Culture (CRN 21840)
ENVS 410 (Scott) Unnatural Disasters (CRN 21841)
ENVS 410 (Morar) Top Cnsv Bio Ideology (CRN 25524)
HIST 379 (Weisiger) Am Env Hist, 1890-Pres (CRN26083) [>2] [AC] {US}

Sustainable Design & Practice Foundation:

ARCH 431 (O'Leary) Community Design (CRN 26167)
ARCH 435 (Gast) Princ Urban Design (CRN 26177) PDX
PPPM 442 (Yang) Sustainable Urban Dev (CRN 24283)

AREA 4. Environmental Issues Courses

ENVS 411 (Foor) Top Queer Ecologic Rei (CRN 21842)
ENVS 425 (Lynch) Top Env Ed Thry & Prac (CRN 21843)^B

AREA 5. Practical Learning Experience (PLE)

ENVS 404 (Keeler) Intern Env Studies (CRN 21832)

KEY

^A Students cannot take MATH 425 if they have taken MATH 243

^B Limited to students participating in the Environmental Leadership Program

^C Highly recommended course, but not required and does not count towards major requirements.

^D GEOG 141 only counts if Earth & Physical Sciences is the non-focal area.

^E Only one EARTH 30X class may count towards ENVS/ESCI major requirements

OIMB= Oregon Institute of Marine Biology

PDX= Class meets in Portland

ASYNCRONOUS 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

