

# Environmental Science Major

## Fall 2024 Tip Sheet

### Area 1: Lower-Division ENVS Requirements:

ENVS 203 (Wald) Intro to Env Studies: Humanities (CRN 11967) [>1]

### Area 2: Lower-Division Math & Statistics Requirements:

#### Math:

MATH 246 (TBA) Calculus for the Biological Sciences I (CRN 13295-97)

MATH 251 (TBA) Calculus I (CRN 13298-13309)

MATH 252 (TBA) Calculus II (CRN 13310-16)

#### Statistics:

MATH 425 (TBA) Statistical Methods I (CRN 13341) <sup>A</sup>

SOC 312 (Waight) Statistical Analysis in Sociology (CRN 14901)

### Analytical Approaches:

GEOG 481 (TBA) GI Science I (CRN 12285)

### Area 3A: Natural Science:

#### Life Sciences

#### *Lower-Division Introductory Sequence:*

BI 211 (Multiple) General Biology I: Cells (Multiple CRNs) [>3]

BI 213 (Policha) General Biology III: Ecology and Evolution (CRN 10805) [>3]

CH 111 (McConnell) Intro Chem Principles (Multiple CRNs) [>3] <sup>B</sup>

CH 221 (Multiple) General Chemistry I (Multiple CRNs) [>3]

CH 223 (Loneragan) General Chemistry III (CRN 11118) [>3]

CH 227 (Clayton) General Chemistry Lab (Multiple CRNs) <sup>D</sup>

CH 229 (Loneragan) General Chemistry Lab (CRN 11147-63) <sup>D</sup>

#### *Upper-Division Electives:*

*Check for prerequisites!*

ANTH 341 (Lee) Food Origins (CRN 15987) *ASYNCR WEB* [>3]

ANTH 361 (Blumenthal) Human Evolution (CRN 15989) [>3]

ANTH 410 (Snodgrass) Healthy Aging (CRN 10263)

BI 307 (Diez) Forest Biology (CRN 16014) [>3]

BI 330 (Smith) Microbiology (CRN 16020)

BI 331 (Jud) Microbiology Lab (CRN 16021)

BI 380 (Singh) Evolution (CRN 10841)

BI 454 (Emlet) Estuarine Biology (CRN 10931) [OIMB]

BI 457 (Nakata) Top: Marine Science Communication (CRN 16073) [OIMB]

BI 458 (TBA) Biological Oceanography (CRN 10935) [OIMB]

BI 488 (Streisfeld) Evolutionary Processes (CRN 10936)

CH 331 (Glass) Organic Chemistry I (CRN 11164)

ENVS 410 (Boulay) Wolves: Ecology & Policy (CRN 11991)

GEOG 323 (Gavin) Biogeography (CRN 12268)

### Earth & Physical Science:

#### *Lower-Division Introductory Sequence:*

ERTH 101 (Watkins) Exploring Planet Earth (Multiple CRNs) [>3]

ERTH 201 (Thomas) Dynamic Planet Earth (CRN 12041) [>3]

ERTH 202 (Polizotto) Earth's Surface and Movement (CRN 12046) [>3]

ERTH 203 (TBA) History of Life (CRN 12050) [>3]

GEOG 141 (Fonstad) The Natural Environment (CRN 12249) [>3] <sup>B</sup>

PHYS 201 (Banavar) General Physics (Multiple CRNs) [>3]

PHYS 204 (Scannell) Introductory Physics Laboratory (CRN 14452-60) <sup>D</sup>

#### *Upper-Division Electives:*

ENVS 477 (Silva) Soil Science (CRN 11998)

ERTH 306 (Giachetti) Volcanoes and Earthquakes (CRN 12054) [>3] <sup>C</sup>

ERTH 307 (Sutherland) Oceanography (CRN 15832) [>3] <sup>C</sup>

ERTH 308 (Tozer) Geology of Oregon and the Pacific Northwest (CRN 12055) [>3] <sup>C</sup>

ERTH 311 (Wallace) Earth Materials (CRN 12056)

ERTH 316 (Rempel) Intro to Hydrogeology (CRN 12059)

ERTH 331 (Bindeman) Mineralogy (CRN 12063)

ERTH 353 (Mckay) Geologic Hazards (CRN 12066)

ERTH 441 (Roering) Hillslope Geomorphology (CRN 15833)

ERTH 473 (Bindeman) Isotope Geochemistry (CRN 12085)

GEOG 421 (Christian) Adv Clim Top: Glaciology (CRN 15793)

GEOG 482 (Kohler) GIScience II (CRN 12290)

GEOG 485 (Cooley) Remote Sensing I (CRN 12293)

GEOG 494 (Luan) Spatial Analysis (CRN 12296)

**Area 3B: Upper-Division Social Science, Policy, Humanities, & Sustainable**

**Design & Practice:**

*Check for Prerequisites!*

**Social Science Foundation:**

GEOG 341 (Cohen) Population and Environment (CRN 12273) [>2 >GP >IC]

SOC 416 (Hernandez Vidal) Top Climate Injustice (CRN 14917)

**Policy Foundation:**

PPPM 408 (Rosenberg) Workshop: Env Impact Assess (CRN 15614) *ASYNC WEB*

PS 477 (Mitchell) International Environmental Politics (CRN 14659)

**Humanities Foundation:**

ARH 368 (Scott) Arts and Visual Cultures of Climate Change (CRN 15766) [>GP >IC]

ENVS 345 (TBA) Environmental Ethics (CRN 11984) [>1]

PHIL 340 (TBA) Environmental Philosophy (CRN 15811) [>1 >GP >IC]

**Sustainable Design & Practice Foundation:**

ENVS 467 (Martin) Sustainable Agriculture (CRN 11997)

PPPM 445 (Russo) Green Cities (CRN 14573)

**Area 4: Environmental Issues:**

ENVS 411 (Foor) Top Surviving Apocalypse (CRN 11995)

**Area 5: Practical Learning Experience (PLE):**

ENVS 404 (TBA) Internship (CRN 11989)

ENVS 429 (Boulay) Top Environmental Leadership (CRN 15964)

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**KEY:**

<sup>A</sup> Students cannot receive credit for both STAT 243Z and MATH 425.

<sup>B</sup> Counts for non-focal area only.

<sup>C</sup> Only one EARTH 30X counts towards ENVS/ESCI Major Requirements.

<sup>D</sup> CH and PHYS labs are not required but are highly recommended.

ENVS 427 can count as Area 3A LS in lieu of Area 2 Analytical Approaches.

OIMB: at Oregon Institute of Marine Biology.

ASYNC WEB: does not meet in person on campus or virtual class time.

**Bracketed Codes/University Requirements:**

>1 Arts & Letters

>2 Social Science

>3 Science

**Multicultural Codes (if you were enrolled prior to 2019):**

IC; International Cultures

IP; Identity, Pluralism, & Tolerance

AC; American Cultures

**Cultural Literacy Codes (starting Fall 2019):**

GP; Global Perspectives

US; Difference, Inequality, Agency

**Please Note:**

- Be alert to prerequisites listed in the class schedule and UO catalog.
- Tip Sheets are 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 requirements sheet is guaranteed to count toward the major in the Area under which it is listed for that term.
- Up to three ENVS courses may count towards university Areas of Inquiry requirements.
- Some courses may be restricted to certain majors for the first few days of registration.
- You can look up individual CRNs in the class schedule to learn about prerequisites, fees, field trips, registration restrictions, and other important information.