Environmental Science Major  
Spring 2017 TIP SHEET

Bracketed codes refer to General 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 (Bacon) Intro Env Stu: Hum (CRN 32132) [>1]*

**AREA 2. Lower Division Math and Science Requirements**

**Math**
MATH 247 (Wray) Calc for Biol Sci II (CRN 33492)
MATH 251 (multiple instructors) Calculus I (multiple CRNs)
MATH 252 (multiple instructors) Calculus II (multiple CRNs)

**Statistics**
MATH 425 (Merchant) Statistical Methods I (CRN 33545)
SOC 312 (Southworth) Quantitative Meth Soc (CRN 35330)

**Analytical Approaches**
GEOG 481 (tba) GIScience I (CRN 32397)

**AREA 3A. Natural Science Requirements**

**Life Sciences**

Lower division introductory sequences:
- BI 212 (Carrier) Gen Biol II: Organisms (CRN 30976) [>3]
- BI 213 (Hulslander) Gen Biol III: Populat (CRN 30986) [>3]
- CH 222 (Baldock) General Chemistry II (CRN 36098) [>3]
- CH 223 (Kellman/Baldock) General Chemistry III (CRN 31258/31259) [>3]
- CH 229 (Exton/Greenbowe) Gen Chemistry Lab (multiple CRNs)^

Upper division electives:
- ANTH 330 (Sugiyama) Hunters & Gatherers (CRN 36088) [WEB] [>2] {IC}
- ANTH 361 (Ulibarri) Human Evolution (CRN 30307) [>3]
- ANTH 362 (Liebert) Human Biol Variation (CRN 36089) [WEB] [>3] {IP}
- ANTH 462 (Frost) Primate Evolution (CRN 36079)
- ANTH 468 (Sterner) Evolutionary Theory (CRN 36081)
- BI 306 (Wetherwax) Pollination Biology (CRN 35837) [>3]
- BI 307 (Dickman) Forest Biology (CRN 35836) [>3]
- BI 330 (Saunders) Microbiology (CRN 31011)/BI 331 (Kelly) Lab (multiple CRNs)

- BI 374 (Schlenoff) Conservation Biology (CRN 31020)
- BI 442 (Policha) Systematic Botany (CRN 31105) (5 Credits)
- BI 451 (Emlet, Watts) Invertebrate Zoology (CRN 31106) [OIMB] (8 Credits)
- BI 457 (Galloway) Top Marine Ecology (CRN 31108) [OIMB] (5 credits)
- CH 336 (Swisher) Organic Chemistry III (CRN 31298)

**Earth and Physical Sciences**

Lower divisions introductory sequences:
- GEG 141 (Lea) Natural Environment (CRN 36326) [WEB] [>3]^*
- GEOL 103 (Baxter) Evolving Earth (CRN 32445/32446) [>3]
- GEOL 203 (Retallack) Evolution of the Earth (CRN 32468) [>3]
- PHYS 203 (Jenkins) General Physics (CRN 34825/34826) [>3]
- PHYS 206 (Scannell) Intro Physics Lab (multiple CRNs)^

Upper division electives:
- GEOL 304 (Miles) Fossil Record (CRN 32472) [WEB] [>3]**
- GEOL 306 (Mckay) Volcanoes & Earthquake (CRN 32474) [WEB] [>3]**
- GEOL 308 (Tozer) Oregon & Pacific NW (CRN 32476) [>3]**
- GEG 310 (Rusk) Earth Resource & Envir (CRN 36020) [WEB] [>3]
- GEOL 311 (Blackwell) Earth Materials (CRN 32477) (5 credits)
- GEOL 334 (Dorsey) Sedimentology & Stratigraph (CRN 32481)
- GEOL 350 (Weldon) Structural Geology (CRN 32484) (3 credits)
- GEOL 353 (Bindeman) Geological Hazards (CRN 32487) [>3]
- GEOL 410 (Roering) Adv Environmental Geol (CRN 36821)
- GEOL 410 (Karlstrom) Fluid Dynamics (CRN 36018)
- GEOL 435 (Retallack) Paleopedology (CRN 35976)
- GEOL 438 (Jin) Geobiology (CRN 35967)
- GEOL 451 (Jin) Hydrogeology (CRN 32500)
 AREA 3B. Social Science, Policy, Humanities, and Sustainable Design & Practice
Social Science Core:
GEOG 341 (Cohen) Population & Environ (CRN 32374) [>2] {>IC}

Policy Core:
PPPM 408 (Holtgrieve) Wrk Env Impact Assess (CRN 34941) [WEB]
PS 477 (Mitchell) Intl Environ Politics (CRN 35042)

Humanities Core:
ENVS 345 (Schreiner) Environmental Ethics (CRN 32141) [>1]*
PHIL 340 (Brence) Environmental Philos (CRN 35807) [>1]

Sustainable Design & Practice Core:
ARCH 430 (Davis) Architectural Contexts (CRN 30436)
ENVS 410 (Russel) Water, Pub Health, Env (CRN 32150)
LA 440 (Hulse) Intro Landsc Plan Ana (CRN 33266)

 AREA 4. Environmental Issues
ENVS 411 (Martin) Top Conservation Areas (CRN 32152)
ENVS 411 (Willingham) Top Environ Interpretation (CRN 36507)

 AREA 5. Practical Learning Experience #
ENVS 404 (Vinyeta) Intern Env Studies (CRN 32146)
ENVS 429 (Lynch, Boulay) Top Environ Leadership (CRN 32154)***
FHS 409 (Belcher) Prac Outdoor School (CRN 32242) (1-3 credits)

*Only one ENVS course may count towards general education group requirements if ESCI is your primary major
*GEOG 141 may only be used if Earth and Physical Science is NOT the focal area
** Only one GEOL 30X class may be taken
*** Only for students currently enrolled in ELP winter term
^ Recommended class, does not count for major
# Must take 4 credits of Area 5

Terms to Know
Res = Research
Sp St = Special Studies
Sp Pr = Special Project
Sem = Seminar
Top = Topic
Wrk = Work

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 for that particular term.

Oregon Abroad:
BI 372, GEOL 308, HIST 473, & ENVS 375 are part of a 4-course block program that must be taken together. Application acceptance required.

BI 372 (Roy) Field Biology (CRN 31019) [>3] [3A Life Science]
ENVS 375 (Dennis) Oregon Seminar (36579) [Area 4]
GEOL 308 (Roering) Oregon & Pacific NW (CRN 36891) [>3] [3A EPS]**
HIST 473 (Dennis) Top Oregon Environment (CRN 36551) [3B Humanities Core]