Environmental Science Major
Fall 2015 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 201 (Walker) Intro to Env Studies: Social Science (CRN 12172) [>2]*
ENVS 203 (Wald) Intro to Env Studies: Humanities (CRN 12186) [>1]°

AREA 2. Lower Division Math and Science Requirements

Math Courses
MATH 246 (multiple instructors) Calculus for Biological Sciences I (multiple CRNs)
MATH 251 (multiple instructors) Calculus I (multiple CRNs)
MATH 252 (multiple instructors) Calculus II (multiple CRNs)

Statistics
SOC 312 (Southworth) Quantitative Methods in Sociology (CRN 15516)
MATH 425 (Merchant) Statistical Methods (CRN 13845)

Analytical Approaches
GEOG 481 (Schmidtke) GIScience I (CRN 12549)
LA 413 (Enright) Analyzing Land Systems (CRN 13512)

AREA 3A. Natural Science Requirements

Life Science
Lower division introductory sequences:
BI 211 (Postlethwait/Hulslander) General Biology I: Cells (CRN 10939) [>3]
BI 213 (Wetherwax) General Biology III: Populations (CRN 1958) [>3]
CH 111 (Lonergan) Intro to Chemical Principles (CRN 11227) [>3]
CH 221 (multiple instructors) General Chemistry I (multiple CRNs) [>3]

Upper division electives:
ANTH 330 (Sugiyama) Hunters and Gatherers (CRN 16411)
ANTH 341 (Lee) Food Origins (CRN 16415)
ANTH 362 (tba) Human Biological Variation (CRN 16417)
ANTH 375 (tba) Primates in Ecological Communities (CRN 16392)
BI 307 (Dickman) Forest Biology (CRN 10991)
BI 370 (Pfeifer-Meister) Ecology (CRN 16317)
BI 375 (Yospin) Biological Diversity (CRN 16313)
BI 410 (Wood) Tropical Marine Ecol (CRN 16320) [OIMB]
BI 432 (Stone) Mycology (CRN 16884)
BI 457 (Hodder) Marine Biology: Env Issues (CRN 11080) [OIMB]
BI 488 (Streifeld) Evolutionary Processes (CRN 11084)
CH 331 (Williams) Organic Chemistry I (CRN 11298)
GEOG 323 (Gavin) Biogeography (CRN 12529)
GEOG 433 (Gavin) Fire & Natural Disturbance (CRN 16355)

Earth and Physical Sciences
Lower division introductory sequences:
GEOG 141 (Fonstad) The Natural Environment (CRN 12491) [>3]
GEOL 201 (Thomas) Earth’s Interior Heat and Dynamics (12600) [>3]
PHYS 201 (multiple instructors) General Physics I (multiple CRNs) [>3]

Upper division electives:
GEOG 482 (Kohler) GIScience II (CRN 16357)
GEOG 491 (Bone) Advanced GIS (CRN 16363)
GEOL 304 (Miles) Fossil Record (CRN 16895) [WEB]°
GEOL 305 (Baxter) Dinosaurs (CRN 12609)°
GEOL 306 (Bindeman) Volcanoes & Earthquakes (CRN 12610)°
GEOL 307 (Sutherland) Oceanography (CRN 16002)°
GEOL 308 (Miles) Oregon & Pacific NW (CRN 16894) [WEB]°
GEOL 310 (Rusk) Earth Resources & Environment (CRN 16893) [WEB]
GEOL 316 (Jin) Introduction to Hydrogeology (CRN 15993)
GEOL 331 (Blackwell) Mineralogy (CRN 12615)
GEOL 353 (Mckay) Geological Hazards (CRN 16892)
GEOL 420 (Humphreys) Geocommunication (CRN 12630)
GEOL 441 (Roering) Hillslope Geomorphology (CRN 15996)

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

Social Science Core:
ENVS 450 (Walker) Political Ecology (CRN 16429)

Policy Core:
PPPM 331 (Holtgrieve) Environmental Management (CRN 15092) [WEB]
PPPM 408 (Holtgrieve) Wrk Env Impact Assessm (CRN 15101) [WEB]
PS 367 (Mitchell) Sci & Pol Climate Change (CRN 16199) [>2]

Humanities Core:
ENG 469 (Brilmyer) Top What is Nature? (CRN 16524)
ENVS 345 (Morar) Environmental Ethics (CRN 12195) [>1]°
HIST 473 (Weisiger) American Environmental History (CRN 16627)
PHIL 340 (tba) Environmental Philosophy (CRN 14953)

Sustainable Design & Practice Core:
ARCH 435 (tba) Principles of Urban Design (CRN 10399/10400) [PDX]
ENVS 467 (Martin) Sustainable Agriculture (CRN 16435)
LA 441 (Johnson) Principles of Applied Ecology (CRN 13516/13517)#
PPPM 445 (Stephens) Green Cities (CRN 15110)

AREA 4. Environmental Issues Courses
ENVS 411 (McHolm) Top Cultures of Oil (CRN 12207)
ENVS 411 (Shtob/Dreher) Top Food and Water (CRN 12208)

AREA 5. Practical Learning Experience
ENVS 404 (tba) Internship (CRN 12202)
ENVS 429 (Boulay/Lynch) Top Environmental Leadership (CRN 12209)

*Only one ENVS course may count towards general education group requirements
*GEOG 141 may only be used if Earth and Physical Science is NOT the focal area
** Only one GEOL 30X class may be taken
# See Peg if you would like to count this course as Area 3A Life Science

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. Classes on the tip sheet count in the Area for that particular term.