Environmental Science Major
Fall 2012 TIP SHEET

{IC}, {IP}, {AC} =Multicultural Codes.

AREA 1. Environmental Studies Core Requirements
ENVS 201 (Martin) Intro Env Studies: Soc Sci (CRN 12847) [>2]
ENVS 203 (tba) Intro Env Studies: Humanities (CRN 12860) [>1]

AREA 2. Math and Statistics Requirements
Math
MATH 246 Calculus for Biological Sciences I (multiple CRNs) [>3]
MATH 251 Calculus I (multiple CRNs) [>3]
MATH 252 Calculus II (multiple CRNs) [>3]

Statistics
MATH 425 (Merchant) Statistical Methods I (CRN 14369)
SOC 312 (O’Brien/York) Quantitative Methods in Soc (CRNs 16013/16014)

Analytical Approaches
ENVS 355 (Bothun) Env Data Analysis & Modeling (CRN 17462)

AREA 3A. Natural Science Requirements

Life Sciences
Lower division introductory sequences:
BI 211 (Postlethwait) General Bio I: Cells (CRNs 11738/16542) [>3]
BI 213 (Wetherwax) General Bio III: Population (CRN 11751) [>3]
CH 111 (Lonergan) Intro to Chemical Principles (CRN 11987) [>3]
CH 221 (Exton) General Chemistry I (multiple CRNs) [>3]
CH 227 (Exton) General Chemistry Lab I (CRNs 11999/12008)

Upper division electives:
ANTH 310 (Lee) Environmental Archaeology (CRN 11044)
ANTH 410 (Lukacs) Bioarchaeology (CRN 16996)
ANTH 466 (tba) Primate Feeding & Nutrition (CRN 16993)
BI 380 (Bradshaw) Evolution (CRN 16541)
BI 432 (Stone) Mycology (CRN 17482)
BI 454 (Emlet) Estuarine Biology (CRN 11847) [OIMB]
BI 457 (Hodder) Top Marine Env Issues (CRN 11848) [OIMB]
BI 457 (Maslakova) Top Marine Molecular Bio (CRN 11849) [OIMB]
BI 458 (Shanks) Bio Oceanography (CRN 11850) [OIMB]
BI 475 (Castenholz) Freshwater Ecology (CRN 17362)
CH 331 (Williams) Organic Chemistry I (CRN 12053)
GEOG 323 (tba) Biogeography (CRN 17088) [>3]
GEOG 423 (tba) Top Advanced Biogeography (CRN 17122)
LA 441 (Johnson) Principles of Applied Ecology (CRN 17324)

Earth and Physical Sciences
Lower division introductory sequences:
GEOG 141 (Fonstad) Natural Environment (CRN 13156) [>3]*
GEOL 201 (Burgette) Earth’s Interior Heat (CRN 13280) [>3]
PHYS 201 (Micklavzina/Taylor) General Physics I (multiple CRNs) [>3]
PHYS 204 (Livelybrooks) Intro Physics Lab (multiple CRNs)

Upper division electives:
ENVS 477 (Bridgham) Soil Science (CRN 17640)
GEOG 430 (tba) Long Term Env Change (CRN 17125)
GEOG 461 (Kohler) Environmental Alteration (CRN 17131)
GEOL 305 (Baxter) Dinosaurs (CRN 16685)** [>3]
GEOL 306 (Bindeman) Volcanoes & Earthquakes (CRN 13284) [>3]**
GEOL 307 (Sutherland) Oceanography (CRN 16686) [>3]**
GEOL 308 (Tozer) Oregon & Pacific NW (CRN 13285) [>3]**
GEOL 308 (Miles) Oregon & Pacific NW (CRN 17571) [>3]**(web)
GEOL 311 (Blackwell) Earth Materials (CRN 13286)
GEOL 334 (Dorsey) Sedimentology & Stratigraphy (CRN 13290)
GEOL 425 (Reed) Geology of Ore Deposits (CRN 13306)
GEOL 441 (Roering) Hillslope Geomorphology (CRN 16835)

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

Social Science Core
ENVS 455 (Walker) Sustainability (CRN 12877)
GEOG 341 (Cohen) Population & Environment (CRN 13205) [>2] {IC}
SOC 304 (Norgaard) Community, Environment, & Society (CRN 16004) [>2]

Policy Core
ENVS 411 (Crider) Top Law & Environment (CRN 12873)
PPPM 331 (Holtgrieve) Environmental Management (CRN 15610)
PPPM 444 (Jacobsen) Environmental Policy (CRN 17615)

Humanities Core
ENG 399 (Witte) Sp St: Ecopoetry (CRN 12808)
ENVS 345 (Morar) Environmental Ethics (CRN 12861) [>1]
HIST 473 (Weisiger) American Environmental History (CRN 17203)

Design Core
ARCH 435 (Gast) Principles of Urban Design (CRN 11158) [Portland]
PPPM 445 (tba) Green Cities (CRN 15628)
AREA 4. Environmental Issues
ENVS 411 (Bonady/Linde) Top Env Problems in China (CRN 12873)
ENVS 411 (Boulay/Lynch) Top Understanding Place (CRN 12875)
ENVS 411 (Elliott) Hanford Env Issues (CRN 17636)
ENVS 411 (Sky/Toth) Top Env Issues in Theater & Film (CRN 17637)

AREA 5. Practical Learning Experience (PLE)
ENVS 404 (Boulay) Internship (CRN 12867)

*GEOG 141 may only be used if Earth & Physical Sci is NOT the focal area
**Only one GEOL 30X class may be taken