Environmental Science Major  
Spring 2013 TIP SHEET  

Bracketed codes refer to University Requirements: Arts and Letter = [>1]; Social Science = [>2]; Science = [>3];  
Multicultural Codes= [IC], [IP], [AC]

**AREA 1. Environmental Studies Core Requirements**  
ENVS 203 (Westling) Intro Env Studies: Humanities (CRN 32969) [>1]  

**AREA 2. Math and Statistics Requirements**  
Math  
MATH 247 (Iverson) Calculus for Bio Sciences II (CRN 34359)  
MATH 251 Calculus I (multiple CRNs)  
MATH 252 Calculus II (multiple CRNs)  
Statistics  
MATH 425 (Merchant) Statistical Methods I (CRN 36984)  
SOC 312 (Southworth) Quantitative Methods in Soc (CRN 36058)  

**Analytical Approaches**  
GEOG 482 (Kohler) GIScience II (CRN 33242)  
GEOG 486 (Fonstad) Remote Sensing II (CRN 33249)  
GEOG 491 (Kohler) Advanced GIS (CRN 33249)  
MATH 410 (Tingey) Statistical Models/Methods (CRN 34400)  
PHYS 410 (Belitz) Math Methods (CRN 37391)  
PPPM 434 (Yang) Urban Geog Info Systems (CRN 33249)  

**AREA 3A. Natural Science Requirements**  
Life Sciences  
Lower division introductory sequences:  
BI 212 (Carrier) General Bio II: Organisms (CRN 31830) [>3]  
BI 213 (Hulslander) General Bio III: Population (CRN 31842) [>3]  
CH 223 (Chimploy) General Chemistry III (CRNs 32084/32085) [>3]  
CH 229 (Exton) General Chemistry Lab III (CRNs 32087/32112)  
Upper division electives:  
ANTH 361 (Lukacs) Human Evolution (CRN 37572) [>3]  
ANTH 446 (Lee) Practical Archaeobotany (CRN 31209)  
ANTH 460 (Moreno Black) Nutritional Anthropology (CRN 37561)  
ANTH 463 (Waller) Primate Behavior (CRN 37583)  
ANTH 472 (Waller) Primate Conservation Biology (CRN 31210)  
BI 306 (Wetherwax) Pollination Biology (CRN 31852) [>3]  
BI 307 (Dickman) Forest Biology (CRN 31853) [>3]  
BI 309 (Weeks) Tropical Diseases of Africa (CRN 36694) [IC]  
BI 330/331 (Prikryl) Microbiology and Lab (CRN 31864/multiple CRNs)  
BI 375 (Green) Biological Diversity (CRN 31869)  
BI 390 (Shanks) Animal Behavior (CRN 31877) [OIMB]  
BI 410 (Wood) Marine Phytoplankton (CRN 36720)  
BI 442 (Roy) Systematic Botany (CRN 31948)  

Earth and Physical Sciences  
Lower division introductory sequences:  
GEOG 141 (tba) Natural Environment (CRN 33188) [>3] (if non-focal area)  
GEOL 203 (Retallack) Evolution of the Earth (CRN 33311) [>3]  
PHYS 203 (Jenkins) General Physics III (CRNs 35575/35576) [>3]  
PHYS 206 (Shahir) Intro Physics Lab III (multiple CRNs)  
Upper division electives:  
ENVS 350 (Bothun) Ecology of Energy Generation (CRN 37267)  
GEOS 321 (Bartlein) Climatology (CRN 37229) [>3]  
GEOL 304 (Miles) Oregon & Pacific NW (CRN 37656) [>3]**  
GEOL 310 (Rusk) Earth Resources and Environment (CRN 37658) [>3]  
GEOL 332 (Wallace) Intro to Petrology (CRN 33317)  
GEOL 350 (Burgette) Structural Geography (CRN 33320)  
GEOL 410 (Toomey) Field Geophysics (CRN 33335)  
GEOL 410 (Roering) Tectonic Geomorphology (CRN 37483)  
GEOL 435 (Retallack) Paleopedology (CRN 37481)  
GEOL 451 (Hagimoto) Hydrogeology (CRN 37489)  
GEOL 472 (Reed) Aqueous Mineral Gas Equilibrium (CRN 33339)  
GEOL 473 (Bindeman) Isotope Geochemistry (CRN 37477)  
PHYS 410 (Bothun) Atmospheric Dynamics (CRN 37393)  

**AREA 3B. Upper-Division Social Science, Policy, Humanities, and Sustainable Design & Practice**  
Social Science Core:  
ENVS 450 (Walker) Political Ecology (CRN 37248)  
SOC 304 (Wishart) Community, Environment, Society (CRN 36872)[>2]
Policy Core:
PPPM 443 (Nielsen-Pincus) Natural Resource Policy (CRN 35680)
PS 477 (Mitchell) International Environmental Politics (CRN 35768)

Humanities Core:
HIST 407 (Weisiger) Env History of the Pacific NW (CRN 33514)
PHIL 340 (Brence) Environmental Philosophy (CRN 35531) [>1]

Sustainable Design & Practice Core:
ARCH 430 (Davis/Keyes) Architectural Contexts (CRN 31301)
ENVS 467 (Martin) Sustainable Agriculture (CRN 37243)

AREA 4. Environmental Issues Course
ENVS 411 (Elliott) Top Hanford Env Issues (CRN 32989)

AREA 5. Practical Learning Experience (PLE)
ENVS 404 (Boulay) Internship (CRN 32985)

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

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.