

**Environmental Science Major (before Fall 2007)**

**Fall 2010 TIP SHEET**

**Bracketed codes refer to University General Education Requirements: A&L=Arts and Letters; SSC=Social Science; SC=Science; IC, IP, AC=Multicultural Codes.**

**AREA 1. Lower Division Environmental Studies Core Requirements**

ENVS 201 (Walker) Intro Env Studies: Soc Sci (CRN 12520)

ENVS 203 (Elliott/Mason) Intro Env Studies: Humanities (CRN 12533)

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

**Math**

MATH 246 (tba) Calculus for Biological Sciences I (multiple CRNs) [SC]

MATH 251 (tba) Calculus I (multiple CRNs) [SC]

MATH 252 (tba) Calculus II (multiple CRNs) [SC]

**Stats**

MATH 425 (tba) Statistical Methods I (CRN 13934)

**Natural Sciences**

BI 211 (Hulslander/Postlethwait) General Biology I: Cells (CRN 11453) [SC]

BI 213 (Wetherwax) General Biology III: Population (CRN 16013) [SC]

BI 251 Biochemistry & Cell Physiology (CRN 11471) [SC]

CH 111 (Haack) Intro to Chemical Principles (CRN 11699) [SC]

CH 221 General Chemistry I (multiple CRNs) [SC]

CH 227 (Exton) General Chemistry Lab I (CRNs 11709/ 11718)

GEOL 201 (Hooft Toomey) Earth's Interior Heat & Dynamics (CRN 12913) [SC]

PHYS 201 (Taylor) General Physics I (multiple CRNs) [SC]

PHYS 204 (Livelybrooks) Intro Physics Lab I (multiple CRNs)

**AREA 3A. Upper-Division Natural Science Requirements**

**Part 1. Core Courses**

***1. Geosphere***

ENVS 410 (Bridgham) Soils (CRN 16372)

GEOL 310 (Rusk) Earth Resources & Environment (CRN 16859) [SC]

GEOL 311 (Blackwell) Earth Materials (CRN 12925)

GEOL 334 (Dorsey) Sedimentology & Stratigraphy (CRN 12929)

***2. Hydrosphere***

BI 457 (Hodder) Top: Marine Environmental Issues (CRN 11559) [OIMB]

BI 458 (Shanks) Biological Oceanography (CRN 11562) [OIMB]

***3. Atmosphere***

GEOG 321 (Bartlein) Climatology (CRN 12843) [SC]

***4. Biosphere***

BI 307 (Yospin) Forest Biology (CRN 11477) [SC]

BI 370 (Bohannan) Ecology (CRN 11494)

BI 457 (Hodder) Top: Marine Environmental Issues (CRN 11559) [OIMB]

LA 441 (Johnson) Principles of Applied Ecology (CRN 13663)

***5. Human Dimensions***

GEOG 341 (Cohen) Population & Environment (CRN 12844) [SSC]

***6. Analytical Approaches***

BI 471 (Green) Population Ecology (CRN 16828)

ENVS 355 (Bothun) Env Data Analysis/Modeling (CRN 16410)

GEOG 416 (Kohler) Intro to Geographic Info Systems (CRN 12859)

**Part 2. Additional Electives**

ANTH 361 (Lukacs) Human Evolution (CRN 16403) [SC]

ANTH 365 (Moreno Black) Food & Culture (CRN 16411)

ANTH 375 (Frost) Primates in Ecological Communities (CRN 16412) [SC]

ANTH 399 (Lee) Sp St: Environmental Archaeology (CRN 10833)

BI 380 (Bradshaw) Evolution (CRN 16027)

BI 390 (Holmes) Animal Behavior (CRN 16794)

BI 410 (Streisfeld) Evolutionary Process (CRN 16047)

BI 432 (Stone) Mycology (CRN 16781)

BI 454 (Emlet) Estuarine Biology (CRN 11557) [OIMB]

BI 457 (Hodder) Top: Marine Environmental Issues (CRN 11559) [OIMB]

BI 458 (Shanks) Biological Oceanography (CRN 11562) [OIMB]

CH 331 (Williams) Organic Chemistry I (CRN 11753)

CH 410 (Boettcher) Inorganic Lab (CRN 16887)

GEOG 321 (Bartlein) Climatology (CRN 12843) [SC]

GEOG 430 (Gavin) Long-Term Environmental Change (CRN 16437)

GEOL 334 (Dorsey) Sedimentology & Stratigraphy (CRN 12929)

GEOL 425 (Reed) Geology of Ore Deposits (CRN 15962)

LA 441 (Johnson) Principles of Applied Ecology (CRN 13663)

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

ANTH 365 (Moreno Black) Food & Culture (CRN 16411)

ARCH 435 (Gast) Principles of Urban Design (CRN 10910) (Portland)

ARCH 437 (Genasci) Theory of Urban Design (CRN 10912)

ARH 351 (Schulz) 19<sup>th</sup> Century Art (CRN 11064) [A&L] (H)

EC 330 (tba) Urban & Regional Economic Problems (CRN 12284) {IP} [SSC]

ENVS 455 (Walker) Sustainability (CRN 16918)

GEOG 341 (Cohen) Population & Environment (CRN 12844) [SSC]

GEOG 410 (Su) Geography of Tourism (CRN 16427)

LA 361 (Ribe) Land Analysis (CRN 13650)

PHIL 339 (Zack) Intro to Philosophy of Science (CRN 16624) [SSC]

PPPM 331 (Holtgrieve) Environmental Management (CRN 15133)

PPPM 399 (Hosticka) Sp St: Portland Planning (CRN 15134)

PPPM 407 (Hibbard) Sem: Regional Planning (CRN 16618)

PPPM 407 (Choquette) Sem: Strategic Planning (CRN 16946)

SOC 399 (Elliott) Sp St: Urban Sociology (CRN 16195)

SOC 410 (Southworth) Transportation Alternatives (CRN 16202)

SOC 410 (Light) Sociology of Science (CRN 16204)

SOC 416 (Foster) Top: Environment & Society (CRN 15527)

SOC 420 (Foster) Political Economy (CRN 15528)

SOC 450 (tba) Sociology of Developing Areas (CRN 16206) [IC]

**AREA 4. Environmental Issues**

ENVS 411 (tba) Law & Environment (CRN 17061)

ENVS 411 (Peacher/Roddy) Communication (CRN 12543)

**AREA 5. Practical Learning Experience (PLE)**

ENVS 404 (Boulay) Internship (CRN 12539)

ENVS 429 (Boulay) Ecotourism (CRN 12545)