### Environmental Science Major
**Summer 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 (Meier) Intro to Env Studies: Social Science (CRN 40839) [>2] *
ENVS 203 (Bacon) Intro to Env Studies: Humanities (CRN 40841) [>1]*

#### AREA 2. Lower Division Math and Science Requirements
**Math Courses**
- MATH 251 (Hogle/Schmidt) Calculus I (CRN 41385/6)
- MATH 252 (May/Montes de Oca) Calculus II (CRN 41387/8)

**Statistics**
- SOC 312 (Gullickson) Quantitative Methods in Sociology (CRN 41960)

**Analytical Approaches**
- GEOG 481 (tba) GIScience I (CRN 40955)
- PPPM 434 (Callister) Urban Geographic Info Systems (CRN 41831)

#### AREA 3A. Natural Science Requirements
**Life Science**

- Lower division introductory sequences:
  - BI 211 (Wetherwax) General Biology I: Cells (CRN 40353 + Lab) [>3]
  - BI 212 (Wilson) General Biology II: Organisms (CRN 40358 + Lab) [>3]
  - BI 213 (Policha) General Biology III: Populations (CRN 40363 + Lab) [>3]
  - CH 111 (tba) Intro Chem Pirinciples (CRN 40500) [>3]
  - CH 221 (tba) General Chemistry I (CRN 40501) [>3]
  - CH 222 (Greenbowe) General Chemistry II (CRN 40502) [>3]
  - CH 223 (Greenbowe) General Chemistry III (CRN 40503) [>3]

- Upper division electives:
  - ANTH 362 (Liebert) Human Biological Variation (CRN 42415) [WEB] [>3] [IP]
  - ANTH 463 (Waller) Primate Behavior (CRN 42416) [WEB]
  - ANTH 472 (Waller) Primate Conservation Biology (CRN 42239)
  - BI 448 (Holmes) Field Botany (CRN 40399)
  - BI 451 (Nash) Invertebrate Zoology (CRN 40400) [OIMB]
  - BI 452 (Scherr) Insect Biology (CRN 40401)
  - BI 455 (Hodder/Warrick) Marine Birds and Mammals (CRN 40402) [OIMB]
  - BI 457 (tba) Topic: Biology of Fishes (CRN 40403) [OIMB]
  - BI 468 (Titus) Amphibians and Reptiles of Oregon (CRN 40404)
  - BI 474 (tba) Marine Ecology (CRN 40405) [OIMB]
  - CH 331 (tba) Organic Chemistry I (CRN 40519) [>3]
  - CH 335 (tba) Organic Chemistry II (CRN 40520) [>3]
  - CH 336 (tba) Organic Chemistry III (CRN 40521) [>3]
  - GEOG 323 (tba) Biogeography (CRN 40944) [>3]

#### Earth and Physical Sciences

**Lower division introductory sequences:**
- GEOG 141 (tba) Natural Environment (CRN 40938) [WEB] [>3] *
- PHYS 201 (Griffith) General Physics I (CRN 41787 + Tutorial) [>3]
- PHYS 202 (Peck) General Physics II (CRN 41790 + Tutorial) [>3]
- PHYS 203 (Mcklazina) General Physics III (CRN 41793 + Tutorial) [>3]

**Upper division electives:**
- GEOL 304 (Miles) Fossil Record (CRN 42337) [WEB] [>3]**
- GEOL 306 (Tozer) Volcanoes & Earthquakes (CRN 42338) [WEB] [>3]**
- GEOL 307 (Baxter) Oceanography (CRN 40974) [>3]**
- GEOL 308 (Blackwell) Oregon and Pacific NW (CRN 40975) [>3]**
- GEOL 353 (Mckay) Geological Hazards (CRN 42339) [WEB] [>3]
- GEOL 406 (Watkins) Fld Volcanology (CRN 40980)
- GEOL 406 (Miller) Fld Structural Geology (CRN 40981)
- GEOL 406 (Weldon/Hopkins) Fld Mapping and Paleo (CRN 40982)

#### AREA 3B. Social Science, Policy, Humanities, and Sustainable Design & Practice
**Social Science Core:**
- ENVS 435 (Hall) Environmental Justice (CRN 40850)
- ENVS 455 (Walker) Sustainability (CRN 40851)
- GEOG 341 (tba) Population & Environment (CRN 40945) [>2] [IC]

**Policy Core:**
- PPPM 331 (Holtgrieve) Environmental Management (CRN 41820) [WEB]

**Humanities Core:**
- ENVS 345 (Guernsey) Environmental Ethics (CRN 40842) [>1] *
- PHIL 340 (Pack) Environmental Philosophy (CRN 41774) [>1]

**Sustainable Design & Practice Core:**
- PPPM 445 (Stephens) Green Cities (CRN 41833)

#### AREA 4. Environmental Issues Courses
Make an appointment with Peg Boulay if you are graduating this term and need this requirement.

#### AREA 5. Practical Learning Experience (PLE)
- ENVS 404 (Dreher) Internship (CRN 40846)

Last updated 04/17/2015
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

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.