

# Environmental Science and Management

## List of Preparatory and Depth Subject Matter for All Tracks

Name: \_\_\_\_\_

Track: \_\_\_\_\_

Additional Major/Minor: \_\_\_\_\_

### Written and Oral Expression (this also meets College requirements) 11-12 units

 ENL 3 or UWP 1 (*AP or IB can count for one*) UWP 102A or B or UWP 101 or UWP 104E (*or take Comp. test*) CMN 1 or 3 (4) or DRA 10 (3)

### Preparatory Subject Matter

50-53 units

#### **Biological Sciences (14-15)**

 BIS 1A or 2A (4-5) BIS 1B or 2B (5) BIS 1C or 2C (5)

#### **Physics (8)**

 PHY 7A (4) (Prereq. MAT 16B-concurrent o.k.) PHY 7B (4)

#### **Chemistry (10)**

 CHE 2A (5) I, II or CHE 2AH (5) I CHE 2B (5) II, III or CHE 2BH (5) II

#### **Mathematics (6-8)**

 MAT 16A (3) or MAT 21A (4) MAT 16B (3) or MAT 21B (4)

#### **Geology (4)**

 GEL 1 (4)

#### **Economics (4)**

 ECN 1A (4)

#### **Environmental Science and Policy (4)**

 ESP 1 (4) III (Prereq. UWP 1, BIS 2A & 2B,  
Upper div. writing recommended.)

### Breadth/General Education

6-24 units (max)

To include 12 units of humanities and/or Civilization and Culture.  
See advisor for more details-many of your required classes give GE credit.

### Core Subject Matter

29-32 units

 ERS 120 (4) II Global Environmental Interactions (Prereq. CHE 8B or equiv., Gen. Bio. or the equiv.) ESP 100 (4) I, II General Ecology (Prereq. BIS 1A-C or 2A-C, MAT 16A, 16B, STA 13 rec.) ESP 162 (4) II Environmental Policy (Prereq. ECN 1A) STA 13 (4) Elementary Stats. (Prereq. MAT 16B or equiv.)*or*STA 100 (4) Applied Stats. for Bio. Sci. (Prereq. MAT 16B or equiv.) \*\*\* **STA 100 recommended** ERS 108 (4) III Env. Monitoring Course (Prereq. Entry-level Ecology coursework (i.e. ESP 100)*or*

ESP 179 (4) II Environ. Impact Assessment (Prereq. Upper div., &amp; one course in Env. Sci.)

 ABT 180 (4) I Intro. to Geographic Info. Systems (Prereq. PLS 21 or fam. with computers, Upper div. Stats., MAT 16B) ERS or ESP 192 (3) Internship (Prereq. Upper div., sponsored by an ERS or ESP faculty member. See advisor for details.) ERS 195 (2) II Capstone-Integrating Env. Science & Mgmt. (Prereq. Consent of Instructor and Senior in ESM or equiv.) ERS 194H (0-3) Honors Thesis (optional) (Prereq. Senior standing, overall gpa 3.50 and higher and consent)