

# Environmental Science and Management

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

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

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

Student ID: \_\_\_\_\_

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 with appropriate score*)

UWP 102G or B or UWP 101 or UWP 104E (*or take Comp. test*)

CMN 1 or 3 (4) or DRA 10 (3)

### Preparatory Subject Matter

49-52 units

#### *Biological Sciences (14)*

BIS 2A (4)

BIS 2B (5)

BIS 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 17A (4) or MAT 21A (4)

MAT 16B (3) or MAT 17B (4) or MAT 21B (4)

#### *Geology (3-4)*

GEL 1 or 50 (3-4)

#### *Economics (4)*

ECN 1A (4)

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

ESP 1 (4) I (Prereq. UWP 1 or ENL 3, sophomore standing;  
BIS 2B, ECN 1A recommended.)

### Core Subject Matter

29-32 units

ERS/ESM 120 (4) II Global Environmental Interactions (Prereq. 1 college chem course and 1 college bio course)

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.

*or*

STA 100 (4) Applied Stats. for Bio. Sci. (Prereq. MAT 16B or equiv.)

\*\*\* STA 100 recommended

ERS/ESM 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., & one course in Env. Sci.)

ABT/LDA 150 (4) I Intro. to Geographic Info. Systems (Prereq. PLS 21 or fam. with computers, Upper div. Stats., MAT 16B)

ERS/ESM or ESP 192 (3) Internship (Prereq. Upper div., sponsored by an ERS or ESP faculty member. See advisor for details.)

ERS/ESM 195 (2) II Capstone-Integrating Env. Science & Mgmt. (Prereq. Consent of Instructor and Senior in ESM or equiv.)

ERS/ESM 194H (0-3) Honors Thesis (optional) (Prereq. Senior standing, overall gpa 3.50 and higher and consent)