# Environmental Studies Program, UCSB

## Hydrologic Sciences & Policy (B.S.) Worksheet 2021-22

### LOWER-DIVISION / PREPARATION IN MAJOR (1st and 2nd years)

**Social Science:**
- Env. St. 3 (S qr)* or Pol. Sci. 12

**Economics:**
- Env. St. 30 (F qr)* or Economics 1 or 2 or 9
- Earth Sci. 2
- Geography 4

**Biology & Ecology:**
- MCDB 1A (F qr)*
- MCDB 1B (W qr)*
- MCDB 1LL (W, Sum qr)*
- EEMB 2 (W qr)*
- EEMB 2LL (F, S qr)*
- EEMB 3 (S qr)*

**Chemistry:**
- Chem 1A/AL
- Chem 1B/BL
- Chem 1C/CL

**Quantitative Skills:**
- Math 3A or 2A
- Math 3B or 2B
- Math 4A
- Math 4B

**Statistics:**
- PSTAT 5A or 5LS

**Physics:**
- Physics 1
- Physics 2
- Physics 3/3L
- Physics 6A/AL
- Physics 6B/BL
- Physics 6C/CL

**History & Policy:**
- History 5 or 7

Advanced Placement (AP), International Baccalaureate (IB) and Transfer credit may be substituted for requirements above! Review your Course History/Profile on GOLD for automatically articulated credit or see the ES Advisor for assistance.

### UPPER-DIVISION (3rd and 4th years)

#### A. U.D. REQUIRED COURSES (25 UNITS)

- Geography 112 (F qr)*
- Geography/Env. St. 168 or 169 (S qr)*
- Geography/Env. St. 144 (W qr)*
- Geog. 116/Earth Sci. 173 (W qr)*
- Env. St. 176A (S qr)*
- EEMB 120† or Env. St. 100 (F qr)*

#### B. COMPLETE ONE OF THE FOLLOWING THREE EMPHASES (31 UNITS)

##### Biology and Ecology:
- **Required:** Env. St./EEMB 128, 171, and EEMB 148
  - 12 units ____
  - 19 units from the following: EEMB 117, 119, 120AL-BL, 142B-BL-C-CL, 153, 167, 168, 186;
  - Environmental Studies 103A, 149, 154, 163A-B, 176B, 190, 192, 197, 199, 199RA;
  - Geography 114A-B, 162, 176A-B-C; Earth Sci. 114, 117, 125, 168 or 169 (if not used above), 176.. 19 units ____

##### Physical and Chemical:
- **Required:** Env. St./Geography 114A, 162 and Earth Sci. 114, 117
  - 17 units ____
  - 14 units from the following: Chemistry 109A-B-C, 113A-AL-B-C, 123, 150; EEMB 142B-BL, 167, 168, 186; Environmental Studies 119, 128, 149, 154, 163A-B, 176B, 190, 192, 197, 199, 199RA;
  - Earth Sci. 102A-AL-B-BL-C, 103, 104A, 113, 122, 124AA-ZZ, 125, 130, 168 or 169 (if not used above), 176; Geography 110, 114B, 134, 166, 176A-B-C;
  - 14 units ____

##### Policy:
- **Required:** Env. St. 106, 174; Env. St. 173/History 173T; Env. St. 178/Political Science 175
  - 16 units ____
  - 15 units from the following: EEMB 142B-BL, 186; Environmental Studies 119, 128, 149, 154, 163A-B, 176B, 190, 192, 197, 199, 199RA; Earth Sci. 125, 176; Geography 135, 135S, 162, 176A-B-C;
  - History 172A-B, 176A-B; Political Science 177
  - 15 units ____

**Note:** Env S 192, 197, 199, and 199RA must be selected in consultation with the department undergraduate advisor as course material must relate to your hydrologic sciences emphasis. Up to 4 units each of the Env S 192, 199, and 199RA courses, and No more than 8 units combined, can be applied to the major.

**Note:** All courses, including cross-listed (either version), may apply to one area only in any part of the major. Courses taken to fulfill any major requirement must be taken for a letter grade unless only offered P/NP.

* Denotes specific quarter a course is to be offered; accurate for current academic year ONLY & subject to change year to year

>> See the other side for more info <<<