

HYDROLOGIC SCIENCES & POLICY (B.S.) WORKSHEET 2018-19

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

MCDB 1A (F qtr)* <input type="checkbox"/> MCDB 1B (W qtr)* <input type="checkbox"/> EEMB 2 (W qtr)* <input type="checkbox"/> EEMB 3 (S qtr)* <input type="checkbox"/> AND EITHER: MCDB 1AL and <input type="checkbox"/> 1BL or EEMB 2L <input type="checkbox"/> and EEMB 3L <input type="checkbox"/> ----- OR ----- MCDB 1LL and <input type="checkbox"/> EEMB 2LL <input type="checkbox"/>	Earth Sci. 2 <input type="checkbox"/> Geography 3B <input type="checkbox"/> Env. St. 30 or <input type="checkbox"/> Economics 1 or 2 or 9 <input type="checkbox"/> Env. St. 3 (S qtr)* or <input type="checkbox"/> Pol. Sci. 12 <input type="checkbox"/> PSTAT 5A or 5LS <input type="checkbox"/>	Chem 1A/AL <input type="checkbox"/> <input type="checkbox"/> Chem 1B/BL <input type="checkbox"/> <input type="checkbox"/> Chem 1C/CL <input type="checkbox"/> <input type="checkbox"/> Math 3A or 2A <input type="checkbox"/> Math 3B or 2B <input type="checkbox"/> Math 4A <input type="checkbox"/> Math 4B <input type="checkbox"/>	Physics 1 <input type="checkbox"/> <i>This series is Recommended</i> Physics 2 <input type="checkbox"/> Physics 3/3L <input type="checkbox"/> <input type="checkbox"/> OR Physics 6A/AL <input type="checkbox"/> <input type="checkbox"/> Physics 6B/BL <input type="checkbox"/> <input type="checkbox"/> Physics 6C/CL <input type="checkbox"/> <input type="checkbox"/> History 5 or 7 <input type="checkbox"/>
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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 qtr)* <input type="checkbox"/>	Earth Sci./Env. St. 168 or 169 (S qtr)* <input type="checkbox"/>	Geography/Env. St. 144 (W qtr)* <input type="checkbox"/>
Geog. 116/Earth Sci. 173 (W qtr)* <input type="checkbox"/>	Env. St. 176A (F qtr)* <input type="checkbox"/>	EEMB 120† or Env. St. 100 (F qtr)* <input type="checkbox"/>

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

- Biology and Ecology:**
 Required: Env. St./EEMB 128, 171 and EEMB 148, 12 units _____
 † It's highly recommended students pursuing this emphasis take EEMB 120 in Area A above.
- 19 units from the following: EEMB 117, 119, 120AL-BL, 142B-BL-C-CL, 153, 167, 168, 186;
 Environmental Studies 103A, 149, 154, 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, 176B, 190, 192, 197, 199, 199RA;
 Earth Sci. 102A-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,
 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 reverse side for instructions on how to declare the Hydro major <<<

To declare Hydrologic Sciences make sure you qualify and follow these steps:

- 1) ES does not have a "pre-major" that must be completed before applying. We just ask students try to complete at least one of the lower-division ES courses (Env S 1, 2, or 3) and two additional lower-division Preparation for the Major courses. Exceptions for those currently enrolled in one of the above courses will be considered.
- 2) There's no minimum GPA requirement to declare the ES major. A student just needs to be in good academic standing at the time they submit their change of major forms = overall GPA of 2.0 or higher.
- 3) On the reverse side check all classes you've completed to date and circle classes currently enrolled in. Return this form to the ES Advisor or Peer Advisor in Bren 4312 or 4313 with the following 3 documents:
 - a) A signed copy of the College of L&S **Major Declaration Petition**. Double majors also need the **Memo of Understanding for Double Majors** (forms downloadable at: www.es.ucsb.edu/declaration).
 - b) Printout of your **UCSB Course History** containing all completed transfer work, AP/IB scores, and UCSB courses (access GOLD, click *PROGRESS*, then *Major & GE Progress Checks*, then *Course History*).
 - c) Regular #10 business **envelope** (4 1/8" by 9 1/2") with your mailing address in the Recipient section - middle of the envelope - and one standard 'Forever' stamp placed in the top right corner. We add the Return Address.

Name: _____ Perm #: _____

Email: _____ Date: _____

Don't Be the LAST Student to Know What's Going ON!

Activate/Use Your UCSB U-Mail Account:

UCSB assigns all registered students a free email account (U-Mail). This account is yours as long as you remain a student and is the only email address the university will use to contact students electronically! If you use an outside email account but sure to set your UCSB email preferences to forward messages to that account. Learn more about your U-Mail account at: <http://www.umail.ucsb.edu>



Subscribe to *ESmail*, ES's Student Email Newsletter Service:

If you are a ES major, or considering becoming one, you should immediately subscribe to the ES Program's *ESmail* listserv (U-Mail or any outside email address). Managed by the Program's Academic Advisor, this free email service is open to anyone interested in staying up-to-date on what's going on with the ES Program. Approximately one to two email messages are posted each week containing important information. Topics covered include: important campus deadlines, schedule of classes updates, scholarship opportunities, internship and job listings, special environmental events and lectures, and much more. One may unsubscribe from the service at anytime.

To subscribe to *ESmail* visit: <http://www.es.ucsb.edu/news/esmail> and just follow the posted directions.

Visit the ES Student Lounge & Library (Bren 4016)

The ES Student Lounge and Seminar Room, located in Bren 4016 (4th floor lab wing "4L"), is open weekdays 8:00 a.m. to 4:45 p.m. for drop-in use by all ES and Hydrology students. The lounge is equipped with a couple computers to access email, surf the web, word processing, create PowerPoint presentations, and print documents. The lounge's laser printer is set up for paper-saving auto duplexing (a 5 cent donation per sheet is requested). The lounge also has campus WiFi access for personal laptop use. A number of moveable tables, comfortable chairs, and a couch are available and make the lounge a great place to hold group study sessions. While you're there be sure to browse the ES Program's library containing a wide range of environmentally related books.

Don't forget to visit the ES Program's Website at: <http://www.es.ucsb.edu>