Environmental Studies, UCSB

8/1/26

Hydrologic Sciences & Policy (B.S.) Worksheet 2026-27

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

ENVS 1 (F or Sum qtrs)* ☐
or ENVS 3 (W or Sum qtrs)* ☐
and ENVS 40 (F, W, S qtrs)* ☐

Economics:
ENVS 30 (S qtr)* **or** ☐
Economics 1 **or** 2 **or** 9

Physical Earth Sci.:
Earth Sci. 2 ☐
and Geography 4 ☐

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

Statistics:
PSTAT 5A **or** 5LS ☐

Chemistry:
CHEM 1A ☐ 1B ☐ 1C ☐
and 2AL ☐ **and** 2BL ☐

Quantitative Skills:
Math 3A **or** 2A (F qtr)* ☐
Math 3B **or** 2B (W qtr)* ☐
Math 4A ☐
Math 4B ☐

Physics:
Physics 6A/AL ☐ ☐
Physics 6B/BL ☐ ☐
Physics 6C/CL ☐ ☐
OR
Physics 7A ☐
Physics 7B ☐
Physics 7C + L ☐ ☐

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 assitance.

UPPER-DIVISION (generally 3rd and 4th years) - Total of 56 units required!

A. U.D. REQUIRED COURSES (21 UNITS)

ENVS 102 ☐
ENVS 144^ (S qtr)* ☐
ENVS 163A (F qtr)* ☐
ENVS 126 (193DS) **or** 164 ☐
Geography 116/Earth Sci. 173 (*5 unit course*) (W qtr)* ☐

B. REQUIRED U.D. THEMED CLUSTERS (24-25 UNITS)

Complete **one course from each** of the following six clusters of courses. One additional course from each cluster, excluding #3, may apply to Area C if desired. *^ denotes course is cross-listed with another dept.*

1. *Water Policy, Management, and Society:* ENVS 138^, 163B, 193TW ☐
2. *Water Quality:* ENVS 162^, 168^, 169^ ☐
3. *Intro to GIS:* Earth Sci. 176; ENVS 154; GEOG 176C (5 units & GEOG 176A-B from Area C are prerequisites) ☐
4. *Soil and Ecology:* EEMB 120, 148, 168; ENVS 101, 114A^, 128^, 133^, 171^ ☐
5. *Climate and Environmental Justice:* ENVS 116, 130A, 134CJ^, 180, 181, 186, 188 ☐
6. *Field Studies:* ENVS 114B^ (ENVS 114A^ is a prerequisite), 119^; GEOG 112 ☐

C. U.D. ELECTIVES (10-11 UNITS)

Any units from the following list of electives and/or one additional course from any cluster in Area B, excluding #3 (Intro to GIS), may be used to bring the total number of UD units completed in the major to 56:

Earth Science 106, 113, 114, 117, 130, 131, 134, 164B, 175;
Environmental Studies 145, 156, 165A, 165B, 170, 190, 192, 193AW, 195A-B-C, 197, 199, 199RA;
Geography 110, 115A-B-C, 119, 133, 134, 137, 142, 172, 175, 176A-B, 178

No more than 8 units combined and 4 units each from ENVS *192, 199, 199RA may apply.*

Elective Courses:	**Units:**
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
Total =	_____

Need 11 units unless completed GEOG 176C in Area B-3; then need just 10.

NOTES:
- **Study Abroad or Environmental Field Studies units may be used to satisfy part or all of Area C, and parts of Area A and B. They need to be hydrology related, U.D., and approved by petition. Consult an ES Academic Advisor for more information before pursuing one of these options: www.es.ucsb.edu/advising**
- **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***

Environmental Studies (ES) at UCSB offers three undergraduate degrees. The two majors in Environmental Studies (B.A. & B.S.) addresses the interdisciplinary relationships needed to understand today's complex environmental problems by focusing on understanding the interrelationships between the humanities, social sciences, and natural and physical science disciplines. A third major in Hydrological Sciences and Policy (B.S.) provides students with the specific scientific training and a fundamental background in policy needed to understand and solve complex hydrologic problems at local, regional, and global levels. Hydrology is a science dealing with the occurrence, circulation, distribution, and properties of the waters of the solid earth and its atmosphere. Many of today's significant environmental problems that society is facing are water issues.

The Bachelor of Science Degree (B.S.) in Hydrologic Sciences & Policy, shown on the reverse-side, provides a rigorous scientific framework for students to examine the hydrologic process in our environment. Although the program is housed within Environmental Studies, the curriculum for this degree is offered cooperatively by the departments of Ecology, Evolution, and Marine Biology, Chemistry and Biochemistry, Geography, Earth Science, Political Science, and History. Lower-division courses concentrate on the physical and natural sciences along with a couple social science and policy courses. In the upper-division, students complete a core group of required hydrology related courses (Area A), then complete one course from each of six themed cluster of courses (Area B) and then has the freedom to select 10-11 units from a list of hydrology related electives from a number of different departments (Area C). Study Abroad or Environmental Field Studies units may be used to satisfy part or all of Area C, and parts of Area A and B. They need to be hydrology related, U.D., and approved by petition. Learn more about the Hydrology degree and download a *Four Year Plan to Complete the Major* at: **www.es.ucsb.edu/degrees**

Declaring The Hydrologic Sciences Major: The Hydrologic Sciences major does not have a "pre-major" or require one to complete the entire Preparation for the Major before they can declare. However, to affirm one feels confident Hydrology is the right major for them, we ask students complete at least one of the lower-division introductory ES courses (ENV S 1 or 3 or 40) and a minimum of two other lower-division Preparation for the Major courses before submitting their change of major petitions. Exceptions for those who are currently enrolled in one of the above courses or for other extreme circumstances may be considered. There's no minimum GPA requirement to declare, but one should be in good academic standing with at least an overall GPA of 2.0 or higher.

The process for declaring the HYDRO major is online via UCSB's Student Success Hub. The instructions and link to this page are found on the ES website here: **www.es.ucsb.edu/declaring-major**
Those declaring a double major will follow a slightly different procedure and must also complete the *Memo of Understanding for Double Majors*. The change of major process takes on average 1-2 weeks to be completed and show up on GOLD.
If you have any questions about how to declare the ES major, or major requirements, contact an Environmental Studies Academic Advisor here: **www.es.ucsb.edu/advising** or by email at: **advising@es.ucsb.edu**

DON'T BE THE LAST TO KNOW - Make sure you subscribe to and read *ESmail,* the Environmental Studies Student Email Newsletter! If you're a HYDRO or ES major, or considering becoming one, you should subscribe to the ES Program's *ESmail* listservice (use any email address). Managed by the ES Academic Advisors, this free email service is open to anyone interested in staying up-to-date on what's going on within Environmental Studies. One to two email messages are posted each week containing important information such as: upcoming 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 visit**: **www.es.ucsb.edu/mailing-lists** and follow the posted directions.