

**Note: See Major Progress Check on GOLD  
 for full list of all degree requirements.**

**HYDROLOGIC SCIENCES AND POLICY MAJOR, B.S. – 2022-2023**  
**PHYSICAL AND CHEMICAL EMPHASIS**

**PREPARATION FOR THE MAJOR**

**UNITS TO COMPLETE**

Economics 1, 2, 9, or Environmental Studies 30.....	4 _____
Mathematics 2A-B or 3A-B and 4A-B.....	16-18 _____
Chemistry 1A-AL-B-BL-C-CL.....	15 _____
Physics 1-2-3-3L (recommended) or 6A-AL-B-BL-C-CL.....	12 _____
Geography 4.....	4 _____
One course from: PSTAT 5A or 5LS.....	5 _____
Earth Science 2.....	4 _____
MCDB 1A-1B-1LL, EEMB 2-2LL-3.....	16 _____
Environmental Studies 3 or Political Science 12.....	4 _____
History 5 or 7.....	4 _____

**UPPER-DIVISION MAJOR**

56 UD units are required, distributed as follows:

- A. Environmental Studies 144, 163A; Earth Science 168 or 169; EEMB 120 or Environmental Studies 101;  
 Geography 112, 116 ..... 25 \_\_\_\_\_
- B. Geography 114A, 162; Earth Science 114, 117..... 17 \_\_\_\_\_
- C. 14 units from the following: Chemistry 109A-B-C, 113A-AL-B-C, 123, 150; EEMB 142B-BL,  
 167, 168, 186; Earth Science 102A-AL-B-BL-C-CL, 103, 104A, 113, 122, 124AA-ZZ, 125, 130,  
 168 or 169 (if not used above), 176; Environmental Studies 119, 128, 149, 154, 163B, 176A, 176B,  
 190, 192, 193SW, 193TW, 197, 199, 199RA; Geography 110, 114B, 134, 166, 176A-B-C..... 14 \_\_\_\_\_

**MAJOR REGULATIONS**

- PREREQUISITES**..... Check the *General Catalog* for the prerequisites to all listed courses.
- P/NP GRADING OPTION** ..... Up to 3 units of Env S 190 and 4 units of Env S 192 graded P will be accepted. All other courses applied to the major (prep or UD), including those applied to the major from other departments, must be completed for a letter grade.
- SUBSTITUTIONS**..... In the major requirements permissible only by petition to the department chair and dean.
- G.P.A. REQUIREMENTS**..... At least 2.0 overall UC average in **all** upper-division major courses **and all** courses (Prep and UD) for the major.
- DOUBLE MAJORS** ..... With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.