

**GEOGRAPHY DEPARTMENT**  
**1834 ELLISON HALL—PHONE: 805-893-4929**  
<http://www.geog.ucsb.edu>  
 College of Letters and Science  
 University of California, Santa Barbara

NAME \_\_\_\_\_

Date \_\_\_\_\_ Perm # \_\_\_\_\_

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

**PHYSICAL GEOGRAPHY MAJOR, B.S. – 2022-2023**  
**OCEAN SCIENCE EMPHASIS**

**PREPARATION FOR THE MAJOR**

**UNITS TO COMPLETE**

- 1. Geography 3, 4 ..... 8 \_\_\_\_\_
- 2. Geography 5 ..... 4 \_\_\_\_\_
- 3. Math 3A-B (or 2A-B) and 4A ..... 12 or 14 \_\_\_\_\_
- 4. Physics 6A-B-C or 1-2-3-3L-4-4L ..... 9 or 16 \_\_\_\_\_
- 5. PSTAT 5A or 5LS ..... 5 \_\_\_\_\_
- 6. Chemistry 1A-1AL or 2A-2AC ..... 5 \_\_\_\_\_
- 7. 12 units from: Chemistry 1B, 1BL, 1C, 1CL, 2B, 2BC, 2C, 2CC; MCDB 1A, 1AL, 1LL  
 1B, 1BL; EEMB 2, 2L, 2LL, 3, 3L; Earth Science 2, 3, 4; Astronomy 1, 2; Math 4B, 6A, 6B, 8..... 12 \_\_\_\_\_

(**Note:** Chemistry 1A-B-C is prerequisite to MCDB 1A)  
**Strongly recommended:** Computer Science 8; Geography 12 (or W 12); any additional courses  
 from the above elective selection

**UPPER-DIVISION MAJOR**

44-48 UD units are required, distributed as follows:

- A. 1 class from Statistical Analysis:  
 Geography 172; PSTAT 120A (or W 120A); Earth Science 134..... 4-5 \_\_\_\_\_
- B. 1 class of Physical Oceanography:  
 Geography 104 ..... 4 \_\_\_\_\_
- C. 3 classes from Oceanography and Marine Systems:  
 Geography 132, 149, 158, 160, 163, 165, 166; EEMB 142B-C..... 12 \_\_\_\_\_
- D. 3 classes from Climate and Earth System Science:  
 Geography 110, 113, 119, 131, 133, 134, 142; Earth Science 105, 130, 164B ..... 12 \_\_\_\_\_
- E. 3 classes from Geographical Techniques:  
 Geography 115A-B-C, 117, 126, 128, 175, 176A-B-C, 178, 183, 184, 186, 190, 191 ..... 12-15 \_\_\_\_\_  
**Note:** Geography 115A-B-C or 176A-B-C are recommended sequences

**Note:** Geography 193, 198, 199, 199RA may be applied to any UD area by petition, depending on the subject matter, up to a maximum of 5 units. A maximum of 8 units from courses in related fields may be applied to the major by petition (see department office or website for more information).

**MAJOR REGULATIONS**

- PREREQUISITES** ..... Check the *General Catalog* for the prerequisites to all listed courses.
- P/NP GRADING OPTION** ..... Up to 5 units of the following courses may be taken P/NP for major credit: Geography 193, 198, 199RA. All other major courses (prep or UD), including those applied to the major from other departments, must be completed on a letter-graded basis.
- SUBSTITUTIONS** ..... In the major requirements are 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.