

EARTH SCIENCE MAJOR, B.S. – 2020-2021
Geophysics Emphasis

An initial consultation with a departmental advisor is essential before embarking on the Earth Science major.

To be admitted to full major status, students must complete the 5 designated courses from the pre-Earth Science major with a 2.3 or higher grade-point average.

| <u>PREPARATION FOR THE MAJOR</u> | <u>UNITS YET TO COMPLETE</u> |
|---|-------------------------------------|
| Math 3A-B (or 2A-B) and 4A-B and 6A-B | 24-26 _____ |
| Chemistry 1A-1AL-1B-1BL-1C-1CL or 2 series | 15 _____ |
| Earth 2 and one of either Earth 3 or Earth 4 | 8 _____ |
| Physics 1-2-3-3L-4-4L-5-5L (or Physics 21-22-23-3L-24-4L-25-5L) | 20 _____ |
| One course from Computer Science 8 or 16 | 4 _____ |

Recommended: Writing 109ST

UPPER-DIVISION MAJOR

47-48 Units are required, distributed as follows:

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| A. Earth 104A | 4 _____ |
| Earth 105 | 4 _____ |
| Earth 114 | 4 _____ |
| Earth 134 | 4 _____ |
| Earth 160 (2 units) | 2 _____ |
| B. Two courses from Earth 100, 103, 123, 131, 157 | 8 or 9 _____ |
| Earth 133 or 135 | 4 _____ |
| Earth 136 | 5 _____ |
| 4 units of upper division of electives in Earth Science | 4 _____ |
| C. 8 Units of Upper Division courses from Math, Physics or Engineering: Recommended courses are: | |
| Math 104A-B, 122A-B, 124A-B, 144A-B; Physics 101, 102, 103, 104, 110A-B; ECE 130A-B | 8 _____ |

Recommended Electives: Statistics, advanced math, Earth 18, 100, 102A, 102C, 103, 104B, 113, 122, 123, 124AA-ZZ, 126, 157, 173 (or Geography 116), 176, 199RA; Geography 176A-B

Preparation for Earth and Planetary Science: Students interested in careers or graduate study in Earth and Planetary Science are recommended to take Earth 123, 159 and Geography 110.

MAJOR REGULATIONS

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| PREREQUISITES | Check the <i>General Catalog</i> for the prerequisites to all listed courses. |
| P/NP GRADING OPTION | Not allowed for any major courses (prep or UD major), including courses applied to the major from other departments, except for up to 3 units of Earth Science 160. |
| SUBSTITUTIONS | In the major requirements permissible only by petition to the department chair and dean. |
| RESIDENCE REQUIREMENTS | At least 20 UD units in major while in residence at UCSB. |
| 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. |