EARTH SCIENCE MAJOR, B.S. – 2022-2023
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.

PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Description</th>
<th>UNITS TO COMPLETE</th>
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<tbody>
<tr>
<td>Math 3A-B (or 2A-B) and 4A-B and 6A-B</td>
<td>24-26</td>
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<tr>
<td>Chemistry 1A-1AL-1B-1BL or 2 series</td>
<td>10</td>
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<tr>
<td>Earth 2 and one course from Earth 3, 4, 9, 11, or 20</td>
<td>8</td>
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<tr>
<td>Physics 1-2-3-3L-4-4L-5-5L (or Physics 21-22-23-3L-24-4L-25-5L)</td>
<td>20</td>
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<tr>
<td>Earth 175 or Computer Science 8 or 16</td>
<td>4</td>
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Recommended: Writing 109ST

UPPER-DIVISION MAJOR

48 Units are required, distributed as follows:

A. Earth 104A or Earth 104G ................................................................. 4
   Earth 105 ...................................................................................... 4
   Earth 114 ..................................................................................... 4
   Earth 134 ..................................................................................... 4
   Earth 160 (2 units) ....................................................................... 2

B. Two courses from Earth 131, 133, 135 ........................................... 8-9
   One course from Earth 100, 103, 113, 123, 131, 133, 135, 157, or 159. 4-5
   Earth 136 .................................................................................... 5
   4 units of upper division of electives in Earth Science .......................... 4

C. Additional upper-division courses in Earth Science, Math, Physics, or Engineering to bring the total units in the major to 48, with at least one course outside of the Earth Science department. Recommended courses are: Math 104A-B, 122A-B, 124A-B, 144A-B; Physics 101, 102, 103, 104, 110A-B; ECE 130A-B; Earth 160, Earth 199RA, as well as recommended Earth electives below and additional courses from Section B .... 7-9

Recommended Electives: Statistics, advanced math, Earth 18 (not applicable towards UD major), 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

PREREQUISITES .................................................................Check the General Catalog 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.
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.