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**

**UNITS TO COMPLETE**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth 2</td>
<td>4</td>
</tr>
<tr>
<td>Earth 3 or 4 (Note: Earth 3 required for 122)</td>
<td>4</td>
</tr>
<tr>
<td>Earth 18</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 1A-AL, 1B-BL, 1C-CL</td>
<td>15</td>
</tr>
<tr>
<td>Math 3A-B (or 2A-B) and 4A-B</td>
<td>16-18</td>
</tr>
<tr>
<td>Physics 1, 2, 3, 4 or Physics 6A-AL, 6B-BL, 6C-CL</td>
<td>12-14</td>
</tr>
</tbody>
</table>

Recommended: Math 6 series, computer programming (i.e. Engineering 3), statistics.

**UPPER-DIVISION MAJOR**

54 UD 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. Earth 103 or 122 | 5 |
Earth 113, 117, or Environmental Studies 144 (or Geography 144) | 4 |
Earth 168 or 169 | 4 |
Earth 173 (or Geography 116) | 5 |

C. 17-18 units from the list to bring Upper Division total to 54 units: | 17-18 |
Earth 100, 103*, 104B, 106, 108, 111, 113*, 115, 117*, 118 or 119, 122*, 124AA-ZZ, 125, 126, 130, 157, 164B, 168*, 169*, 176, 192, 196HA-HB-HC, 197H, 199; Environmental Studies 134, 144* (or Geography 144*); Geography 112, 134, 162, 176B

*Note: courses can only be applied to area C if not used in area B.

**MAJOR REGULATIONS**

**PREREQUISITES** Check the General Catalog for the prerequisites to all listed courses.

**P/NP GRADING OPTION** Not allowed for any major course (Prep or UD major), including courses applied to the major from other departments, except for Earth 18 and 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.