The Earth Science major is a broad program that typically emphasizes an interdisciplinary field. Programs leading to the bachelor of science may be individually designed but will include required courses in Geology and Meteorology, and required supporting work in chemistry, physics, and mathematics. Specific programs have been designed for students interested in a geology, meteorology, or an environmental earth science emphasis. Programs leading to the bachelor of arts for earth science teaching are available. The latter program must satisfy the requirements of the Teacher Education Program.

Communication Proficiency requirement: The LAS College requires a C or better in ENGL 250. The department requires a grade of C or better in ENGL 309, ENGL 314, ENGL 302 or JL MC 347.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 150</td>
<td>3</td>
</tr>
<tr>
<td>Written, Oral, Visual, and Electronic Composition</td>
<td>3</td>
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<tr>
<td>or ENGL 250H</td>
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<tr>
<td>Written, Oral, Visual, and Electronic Composition: Honors</td>
<td>3</td>
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<tr>
<td>One of the following:</td>
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<tr>
<td>ENGL 309</td>
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<tr>
<td>Proposal and Report Writing</td>
<td>3</td>
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<tr>
<td>ENGL 314</td>
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<tr>
<td>Technical Communication</td>
<td>3</td>
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<tr>
<td>ENGL 302</td>
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<td>Business Communication</td>
<td>3</td>
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<td>JL MC 347</td>
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<td>Science Communication</td>
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Total Credits: 9

Earth Science, B.A.

Freshman

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<th>Credits Spring</th>
<th>Credits Summer</th>
<th>Credits</th>
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<tr>
<td>ENGL 150</td>
<td>3 GEOL 102</td>
<td>3 World Language if needed</td>
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<td>LIB 160</td>
<td>1 GEOL 102L</td>
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<tr>
<td>GEOL 100</td>
<td>3 CHEM 178</td>
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<tr>
<td>GEOL 100L</td>
<td>1 CHEM 178L</td>
<td>1</td>
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<tr>
<td>CHEM 177</td>
<td>4 ASTRO 120</td>
<td>3</td>
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<tr>
<td>CHEM 177L</td>
<td>1 MTEOR 206</td>
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<tr>
<td>MATH 151</td>
<td>3-4 HIST 222</td>
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<tr>
<td>or 160 or 165 or 181</td>
<td>215</td>
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<td>C I 219</td>
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16-17 18 8

Sophomore

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<tr>
<td>ENGL 250</td>
<td>3 GEOL 365</td>
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Senior

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<tr>
<th>Course</th>
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<td>C I 406</td>
<td>3 C I 417J</td>
<td>14</td>
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<td>Humanities Choice</td>
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**Take PRAXIS-I by October 15**

**Apply to Teacher Education Program 1st week**

**Total Credits: 18 17 6**
Students in all ISU majors must complete a three-credit course in U.S. diversity and a three-credit course in international perspectives. Check (http://www.registrar.iastate.edu/courses/div-ip-guide.html) for a list of approved courses.

LAS majors require a minimum of 120 credits, including a minimum of 45 credits at the 300/400 level. At least 8 credits in the major from 300+ courses must earn grade C or better. The average grade of all courses in the major must be 2.0 or higher. You must also complete the LAS foreign language requirement.
Choose from list of approved courses available from an adviser or departmental office.