To be adopted: Proposed changes to the change of major and continuation criteria for the Earth Science and Geology majors.

<table>
<thead>
<tr>
<th>Change of Major and Continuation Criteria</th>
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<tbody>
<tr>
<td>Students wishing to change into or continue in the Earth Sciences major must be in good academic standing and show potential to graduate without exceeding 216 units.</td>
<td>No Change</td>
</tr>
<tr>
<td><strong>Freshmen (2nd and 3rd quarter)</strong> must demonstrate progress in basic sciences and aptitude for Earth and Planetary Sciences by satisfying the following three criteria by Spring Quarter or Summer Session:</td>
<td>No Change</td>
</tr>
<tr>
<td>• MATH 007B or MATH 009B eligible (e.g. completion of MATH 007A or MATH 009A with grades of C- or better)</td>
<td>No Change</td>
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<tr>
<td>• CHEM 01B eligible (e.g. completion of CHEM 01A with a grade of C- or better)</td>
<td>No Change</td>
</tr>
<tr>
<td>• One of GEO 001, GEO 002 or GEO 009 or GEO 011, or GEO 003 completed with a grade of C- or better</td>
<td>No Change</td>
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<tr>
<td><strong>Sophomores (up to 89.9 cumulative units)</strong> sciences and aptitude for geology by satisfying the following three criteria by Spring Quarter or Summer Session:</td>
<td>No Change</td>
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<tr>
<td>• CHEM 001B completed with passing Grades</td>
<td>No Change</td>
</tr>
<tr>
<td>• MATH 009C or MATH 046 eligible (e.g. MATH 007B or MATH 009B with grade of C- or better)</td>
<td>No Change</td>
</tr>
<tr>
<td>• Two of GEO 001, GEO 002 or GEO 009 Or</td>
<td>No Change</td>
</tr>
</tbody>
</table>
• GEO 011, or GEO 003 completed with no grade below C- after repeats

**Juniors (90 – 134.9 units)** must demonstrate near completion of basic sciences and aptitude for upper-division Earth Sciences by satisfying the following three criteria by Spring Quarter or Summer Session:

• CHEM 001B and MATH 009C or MATH 046 completed with passing grades

• PHYS 040B or PHYS 002B and PHYS 002LB eligible (i.e. completion of one quarter of college physics with C- or better)

• GEO 001, GEO 002 or GEO 009 or GEO 011, GEO 003, GEO 111, and GEO 115 or GEO 157 (and all prerequisites) completed with no grade below C- after repeats

**Seniors (135+ units)**: must have completed all but 1 course of the Earth Sciences core requirements by Spring Quarter or Summer Session, as follows:

• CHEM 001B, MATH 009C or MATH 046, PHYS 040B or PHYS 002B and PHYS 02LB completed with passing grades.

• BIOL 002 or BIOL 005A and BIOL 05LA or BIOL 020, and STAT 100A or STAT 155 completed with passing grades.

• GEO 001, GEO 002 or GEO 009 or GEO 011, GEO 003, GEO 004 or GEO 007 or GEO 008 or GEO 010 or GEO 012, GEO 111, GEO 115, and GEO 157 (and all prerequisites) completed with no grade below C- after repeats.

Students wishing to change into or continue in the Geology major must be in good academic standing and show potential to graduate without exceeding 216 units.

**Freshmen (2nd and 3rd quarter)** must demonstrate progress in basic sciences and aptitude for geology by satisfying the following three criteria by Spring Quarter or Summer.
Session:

• MATH 009B eligible (e.g. completion of MATH 007A or MATH 009A with grades of C- or better)  
  No Change

• CHEM 001B eligible (e.g. completion of CHEM 01A with a grade of C- or better)  
  No Change

• One of GEO 001, GEO 002, or GEO 003 completed with a grade of C- or better  
  No Change

**Sophomores (up to 89.9 cumulative units)** must demonstrate sustained progress in basic sciences and aptitude for geology by satisfying the following three criteria by Spring Quarter or Summer Session:

• CHEM 001B completed with passing grades  
  No Change

• MATH 009C or MATH 046 eligible (e.g. MATH 007B or MATH 009B with grade of C- or better)  
  No Change

• Two of GEO 001, GEO 002, or GEO 003 completed with no grade below C- after repeats  
  No Change

**Juniors (90 – 134.9 units)** must demonstrate near completion of basic sciences and aptitude for upper-division geology by satisfying the following three criteria by Spring Quarter or Summer Session:

• CHEM 001B and MATH 009C or MATH 046 completed with passing grades  
  No Change

• PHYS 040B or PHYS 002B and PHYS 002LB eligible (i.e. completion of one quarter of college physics with C- or better)  
  No Change

• GEO 002, GEO 003, GEO 111, GEO 115 or GEO 122 (and all prerequisites) completed with no grade below C- after repeats  
  No Change

**Seniors (135+ units):** must have completed all but 1 course of the geology core requirements by Spring Quarter or Summer Session, as follows:

• CHEM 001B, MATH 009C or MATH 046  
  No Change
and PHYS 040B or PHYS 002B and PHYS 02LB completed with passing grades.

- BIOL 002 or BIOL 005A and BIOL 05LA or BIOL 020, and STAT 100A or STAT 155 completed with passing grades.

- GEO 001, GEO 002, GEO 003, GEO 111, GEO 115, GEO 116 and GEO 122 and GEO 101 or GEO 118 (and all prerequisites) completed with no grade below C- after repeats.

**Justification:**

The statistics department has renumbered STAT 100A to a lower division class, STAT 010, and this has been removed from the upper division elective class lists in Earth Sciences and Geology, and we remove it here from our change of major criteria as well.

We have chosen to remove STAT 155 from our change of major requirements, as it is an elective class – students are not required to take it to graduate in Earth Sciences or Geology, so it should not be required to transfer into either major.

**Approvals:**

- Approved by the faculty of the Department of Earth and Planetary Sciences: October 21, 2020
- Approved by the Executive Committee of the College of Natural and Agricultural Sciences: December 8, 2020
- Approved by the Committee on Educational Policy: April 29, 2021