### Required General Education Courses:

<table>
<thead>
<tr>
<th>Subject-Catalog Nbr</th>
<th>Course Title</th>
<th>Credits</th>
<th>Cr</th>
<th>Gr</th>
<th>HPr</th>
<th>Sub</th>
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<tbody>
<tr>
<td>CHEM 115</td>
<td>Introductory Chemistry</td>
<td>4</td>
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<tr>
<td>or CHEM 121</td>
<td>General Chemistry</td>
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<td>PHYS 100</td>
<td>Concepts of Physics</td>
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<tr>
<td>or PHYS 161</td>
<td>Introduct College Physics I</td>
<td>4</td>
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### Required Courses:

- **12 Crs**
  - GEOL 100 Introduction to Earth Science - 4
  - GEOL 106 The Earth Through Time - 4
  - GEOL 300 Environmental Earth Science - 4

### Electives:

- **13 Crs**
  - BIOL 170 General Zoology - 4
  - BIOL 267 Environmental History - 3
  - BIOL 311 Botany - 4
  - or BIOL 312 Botany - 4
  - BIOL 343 Ornithology - 4
  - BIOL 347 Aquatic Entomology - 4
  - BIOL 355 Mammalogy - 4
  - BIOL 367 Ichthyology - 4
  - BIOL 410 Field Ecology - 4
  - BIOL 420 Mycology - 4
  - BIOL 470 Limnology - 4
  - PHYS 110 Introductory Astronomy - 4
  - PHYS 275 Planetarium Science - 1

For the Bachelor of Science in Education degree, the student must substitute BIOL or CHEM 490 if not already taken, for a directed elective.

For an emphasis in Earth Science, the student may substitute Earth and Space Science electives for the twelve hours of Biology listed under Electives.

The student majoring in Biology is required to complete an additional eight hours in Biology.

### Total Minor Credits Required - 25