# Biology Teacher Certification Academic Map

This academic map is a suggested four-year schedule of courses based on degree requirements in the GGC catalog. This sample schedule serves as a general guideline to help build a full schedule each term.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>FRESHMAN FALL</strong></td>
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<tr>
<td>□ ENGLISH COMPOSITION 1</td>
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<td>ENGL 1101</td>
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<td>□ PRE-CALCULUS</td>
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<td>□ PRINCIPLES OF CHEMISTRY 1</td>
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<td>CHEM 12111K</td>
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<td>BIOL 1107K</td>
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<td><strong>FRESHMAN SUMMER</strong></td>
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<td>□ HUMANITIES / FINE ARTS 2</td>
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<td>□ INTRODUCTION TO COMPUTING</td>
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<td><strong>SOPHOMORE SUMMER</strong></td>
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<tr>
<td><strong>JUNIOR SUMMER</strong></td>
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**潜在暑假活动：**
- 研究专业领域
- 研究海外
- 准备参加GACE考试

**毕业时间：**

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04.19-v1