Lower Division Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Pre-Req</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE115 General Chemistry I w/Lab</td>
<td>CHE102 or HS Chem</td>
<td>4</td>
<td>Fall only</td>
</tr>
<tr>
<td>CHE125 General Chemistry II w/Lab</td>
<td>CHE115</td>
<td>4</td>
<td>Spring only</td>
</tr>
<tr>
<td>CHE230 Introduction to Molecular Modeling</td>
<td>CHE115</td>
<td>1</td>
<td>Spring only</td>
</tr>
<tr>
<td>MAT245 Analytical Geometry &amp; Calculus I</td>
<td>MAT135 or 145</td>
<td>4</td>
<td>See catalog</td>
</tr>
<tr>
<td>MAT255 Analytical Geometry &amp; Calculus II</td>
<td>MAT245</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHY214 Physics for Scientists I w/Lab</td>
<td>MAT145 or 245</td>
<td>4</td>
<td>Fall only (entrance exam)</td>
</tr>
<tr>
<td>PHY224 Physics for Scientists II w/Lab</td>
<td>PHY214</td>
<td>4</td>
<td>Spring only</td>
</tr>
</tbody>
</table>

Notes:
- CHE102 or HS Chem: CHE102 or High School Chemistry
- MAT135 or 145: MAT135 or MAT145
- MAT145: MAT145

Upper Division Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Pre-Req</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE321 Analytical Chemistry w/Lab</td>
<td>CHE125</td>
<td>4</td>
<td>Fall only (odd years)</td>
</tr>
<tr>
<td>CHE351 Organic Chemistry I w/Lab</td>
<td>CHE125</td>
<td>4</td>
<td>Fall only</td>
</tr>
<tr>
<td>CHE352 Organic Chemistry II w/Lab</td>
<td>CHE351</td>
<td>4</td>
<td>Spring only</td>
</tr>
<tr>
<td>CHE415 Physical Chemistry I</td>
<td>CHE125 &amp; MAT145 or 245</td>
<td>3</td>
<td>Fall only (even years)</td>
</tr>
<tr>
<td>CHE416 Physical Chemistry II w/Lab</td>
<td>CHE125, 230 &amp; MAT245</td>
<td>4</td>
<td>Spring only (odd years)</td>
</tr>
<tr>
<td>CHE470 Instrumental Analysis</td>
<td>CHE321</td>
<td>4</td>
<td>Spring only (even years)</td>
</tr>
<tr>
<td>CHE480 Chemistry Research Seminar</td>
<td>See catalog</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- *Course is interdisciplinary

Total Major Units: 67

Upper Division Major Units: 28

Concentration Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Pre-Req</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO146 General Biology I w/Lab</td>
<td></td>
<td>4</td>
<td>Fall only</td>
</tr>
<tr>
<td>BIO148 General Biology II w/Lab</td>
<td></td>
<td>4</td>
<td>Spring only</td>
</tr>
<tr>
<td>CHE341 Advanced Inorganic Chemistry w/Lab</td>
<td>See catalog</td>
<td>4</td>
<td>Fall only (even years)</td>
</tr>
<tr>
<td>PHY213 Astronomy</td>
<td></td>
<td>3</td>
<td>Fall only</td>
</tr>
<tr>
<td>PSC151 Introduction to the Geosciences</td>
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<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Required GE units: 51

Additional Elective Units Needed: 6

Upper Division Elective Units Needed: 5

About This Plan

- This plan is not a contract. Curriculum can be subject to change.
- Highlighted courses and fields are major specific.
- Descriptions for all courses can be found in the CBU catalog at www.calbaptist.edu/about/universitycatalogs.aspx.
- To graduate, all students need 124 total units, 39 of which must be upper division.
- Courses numbered in the 300's and 400's are upper division.
- GST100, ENG103, and MAT095 count as elective units.

Contact Information

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- Dr. Alan Fossett, Faculty Advisor
  afossett@calbaptist.edu
Office of Enrollment Advising
(951) 343 - 4567
advising@calbaptist.edu

Core Curriculum Units

- Behavioral Science: 6
- English Composition: 3 (ENG123 required)
- English or Film: 3
- Communication Arts: 3
- Art or Music: 3
- Philosophy: 3
- US History: 3
- Non-US History: 3
- Political Science: 3

Multicultural Requirements Units

- ENG123 will fulfill 3 units
- CHE321 & 351 will fulfill 6 units
- 9 units

Additional Course Requirements:
- GST100, ENG103, and MAT095 count as elective units.

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# Chemistry - Secondary Chemistry Education

## 2011-2012

### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO146 General Biology I w/Lab</td>
<td>CHE125 General Chemistry II w/Lab</td>
<td></td>
</tr>
<tr>
<td>CHE115 General Chemistry I w/Lab</td>
<td>BIO148 General Biology II w/Lab</td>
<td></td>
</tr>
<tr>
<td>ENG113 Composition</td>
<td>ENG123 Composition</td>
<td></td>
</tr>
<tr>
<td>GST100 Focus</td>
<td>General Education Course</td>
<td></td>
</tr>
<tr>
<td>General Education Course (or Math Course if needed)</td>
<td>Elective</td>
<td>1</td>
</tr>
</tbody>
</table>

Caution: If additional Math is taken, an additional GE must be added to this plan.

Total Units: 15

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE351 Organic Chemistry I w/Lab</td>
<td>CHE230 Introduction to Molecular Modeling</td>
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<tr>
<td>Upper Division General Education Course</td>
<td>General Education Course</td>
<td></td>
</tr>
<tr>
<td>General Education Course</td>
<td>General Education Course</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 15

### Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE321 or CHE341 (depending on year)</td>
<td>CHE470 or CHE416 (depending on year)</td>
<td></td>
</tr>
<tr>
<td>PHY214 Physics for Scientists I w/Lab</td>
<td>PHY224 Physics for Scientists II w/Lab</td>
<td></td>
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<tr>
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<td>Upper Division General Education Course</td>
<td></td>
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<tr>
<td>General Education Course</td>
<td>General Education Course</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
<td></td>
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</tbody>
</table>

Total Units: 15

### Senior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE341 or CHE321 (depending on year)</td>
<td>CHE480 Chemistry Research Seminar</td>
<td></td>
</tr>
<tr>
<td>CHE415 or PHY213 (depending on year)</td>
<td>Upper Division General Education Course</td>
<td></td>
</tr>
<tr>
<td>General Education Course</td>
<td>General Education Course</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 15

### Total Units: 124 (124 units required to graduate)