<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Schedule</th>
<th>Spring Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHEM 1000 Foundations of Chemistry</td>
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<tr>
<td></td>
<td>MATH 2010 or 2310 or 2510 Calculus I</td>
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<tr>
<td></td>
<td>CSUB 1009 First Year Seminar I</td>
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<tr>
<td></td>
<td>GE Area A1</td>
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</tr>
<tr>
<td></td>
<td>GE Area A2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GE Area A3</td>
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<tr>
<td></td>
<td><strong>Units</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>Completed Units through Year 1</strong></td>
<td>28</td>
</tr>
<tr>
<td></td>
<td><strong>Fall Milestones</strong></td>
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</tr>
<tr>
<td></td>
<td>Meet with Academic Advisor</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>CHEM 2900 Research Methods in Chemistry</td>
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</tr>
<tr>
<td></td>
<td>CHEM 3100 Quantitative Analytical Chemistry</td>
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<tr>
<td></td>
<td>CHEM 3300 Organic Chemistry I</td>
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<tr>
<td></td>
<td>CHEM 3301 Organic Chemistry Laboratory I</td>
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<tr>
<td></td>
<td>PHYS 2110 or 2210 Physics I</td>
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<tr>
<td></td>
<td>GE Area B2, C, or D***</td>
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<tr>
<td></td>
<td><strong>Units</strong></td>
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<tr>
<td></td>
<td><strong>Completed Units through Year 2</strong></td>
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<td><strong>Fall Milestones</strong></td>
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<td></td>
<td>Meet with Academic Advisor</td>
<td></td>
</tr>
</tbody>
</table>

Important Notes

- The SELF requirement is met by completing an Area C or D course with a SELF component.
- Courses may not always be taught in the semester shown. Check for the most current list of projected course offerings.
- Area A4, Area B1, and UD Area B requirements are satisfied within the major; you DO NOT need to take them.
- Be sure to meet with your chemistry faculty advisor frequently to ensure you are meeting all degree requirements.
- This is just one example of how to schedule classes to graduate in 4 years. Other schedules may be equally valid.
## California State University, Bakersfield
### B.S. in Chemistry
### Four-Year Roadmap to Graduation
#### Emphasis/Concentration - ACS Certified

**Units Required to Graduate**: 120
**Upper Division Units Required**: 40
**Units in Residence Required**: 30

### Four-Year Roadmap to Graduation

#### Year 3

<table>
<thead>
<tr>
<th>Fall Schedule</th>
<th>Spring Schedule</th>
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</thead>
<tbody>
<tr>
<td>CHEM 2200 Foundations of Inorganic Chemistry</td>
<td>CHEM 4200 Inorganic Chemistry</td>
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<tr>
<td>CHEM 3400 Biochemistry I</td>
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<tr>
<td>CHEM 3600 Physical Chemistry I</td>
<td>CHEM 3610 Physical Chemistry II</td>
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<td>GE Area B2, C, or D***</td>
<td>AI History or Government</td>
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<tr>
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<td>Junior Year Diversity Requirement</td>
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</tbody>
</table>

Units **16**

Completed Units through Year 3 **90**

**Fall Milestones**
- Meet with Academic Advisor
- Complete all lower division GE
- Take the GWAR Exam

**Spring Milestones**
- Apply for graduation

#### Year 4

<table>
<thead>
<tr>
<th>Fall Schedule</th>
<th>Spring Schedule</th>
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</thead>
<tbody>
<tr>
<td>CHEM 4100 Separations</td>
<td>CHEM 4900 Senior Seminar in Chemistry</td>
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<td>CHEM 4101 Separations Laboratory</td>
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<tr>
<td>CHEM 3900 Seminar in Chemical Literature</td>
<td>CHEM 4120 Nuclear Magnetic Resonance</td>
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<tr>
<td>CHEM 4800 Honors Research</td>
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<td>UD Area C or D***</td>
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</tr>
<tr>
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<td>AI History or Government</td>
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<tr>
<td></td>
<td>3</td>
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<tr>
<td></td>
<td>GE Capstone</td>
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<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Units **16**

Completed Units through Year 4 **120**

**Fall Milestones**
- Meet with Academic Advisor

**Spring Milestones**

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### Important Notes

- **The SELF requirement is met by completing an Area C or D course with a SELF component.**
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