The following is a sample outline demonstrating 4-year completion of this bachelor’s degree. Each student’s reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student’s ACT/SAT scores. PLEASE NOTE: The following plan assumes students are prepared to take the Math course listed. If prerequisite/remedial courses are required, additional semesters may be required to complete degree.

This is a **GUIDE ONLY**. Please meet with your academic advisor and consult DegreeWorks for specifics.

<table>
<thead>
<tr>
<th>1st Year Fall 19 (16 credits)</th>
<th>1st Year Spring 20 (16 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1210/15 Principles of Chemistry I/lab 5 F/S/Su</td>
<td>CHEM 1220/25 Principles of Chemistry II/lab 5 S/Su</td>
</tr>
<tr>
<td>MATH 1210 Calculus I 4 F/S/Su</td>
<td>MATH 1220 Calculus II 4 F/S</td>
</tr>
<tr>
<td>BIOL 1610/15 General Biology I/lab 4 F/S/Su</td>
<td>BIOL 1620/25 General Biology II/lab 4 F/S/Su</td>
</tr>
<tr>
<td>XXXX XXXX American Institutions GE 3 F/S/Su</td>
<td>ENGL 1010 Introduction to Academic Writing 3 F/S/Su</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd Year Fall 20 (14 credits)</th>
<th>2nd Year Spring 21 (16 credits)</th>
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</thead>
<tbody>
<tr>
<td>CHEM 3000/05 Quantitative Analysis/lab 4 F</td>
<td>MATH 2270 Linear Algebra 3 F/S</td>
</tr>
<tr>
<td>PHYS 2210/15 Physics for Sci. &amp; ENGR I/lab 5 F/S/Su</td>
<td>PHYS 2220/25 Physics for Sci. &amp; ENGR/lab 5 F/S</td>
</tr>
<tr>
<td>XXXX XXXX Fine Arts GE 3 F/S/Su</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>3rd Year Fall 21 (14 credits)</th>
<th>3rd Year Spring 22 (15 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 4250 Synthesis Lab 2 F-odd</td>
<td>MATH 2280 Differential Equations 3 S</td>
</tr>
<tr>
<td>CHEM 3610/15 Physical Chemistry I/lab 4 F</td>
<td>CHEM 3620/25 Physical Chemistry II/lab 4 F</td>
</tr>
<tr>
<td>MATH 2210 Calculus III 4 F/S</td>
<td>CHEM 4240 Analysis Lab 2 S</td>
</tr>
<tr>
<td>ENGL 2010 Intermediate Writing 3 F/S/Su</td>
<td>CHEM 4230 Instrumental Analysis 3 S-even</td>
</tr>
<tr>
<td>INFO 1010 Information Literacy 1 F/S/Su</td>
<td>XXXX XXXX Humanities GE 3 F/S/Su</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>4th Year Fall 22 (14 credits)</th>
<th>4th Year Spring 23 (15 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 4110 Biochemistry I 4 F</td>
<td>CHEM 4120 Biochemistry II/Lab 5 S</td>
</tr>
<tr>
<td>CHEM 3160 Intermediate Inorganic Chem. 3 F-even</td>
<td>CHEM 4990 Chemistry Literature/Seminar 1 S</td>
</tr>
<tr>
<td>XXXX XXXX UD Electives 4 F/S/Su</td>
<td>CHEM 4160/65 Adv. Inorganic Chemistry/lab 4 S-odd</td>
</tr>
<tr>
<td>XXXX XXXX UD Electives 3 F/S/Su</td>
<td>XXXX XXXX Social &amp; Behav. Science GE 3 F/S/Su</td>
</tr>
<tr>
<td>XXXX XXXX Electives 2 F/S/Su</td>
<td></td>
</tr>
</tbody>
</table>

Color Key:
- **General Education Courses** (green)
- **Major-required courses that also fulfill GE requirement** (purple)
- **Major Courses** (black)
- **Electives/Minor/etc.** (red)