### A suggested four-year program:

**Fall Semester Classes**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 110/lab (NS core)</td>
<td>1</td>
</tr>
<tr>
<td>SI or WR Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Math 180 (MA core)</td>
<td>1</td>
</tr>
<tr>
<td>FL (if needed) or elective</td>
<td>1</td>
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</table>

**Spring Semester Classes**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Chem 230/lab</td>
<td>1</td>
</tr>
<tr>
<td>SI or WR Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Math 181</td>
<td>1</td>
</tr>
<tr>
<td>FL (if needed) or elective</td>
<td>1</td>
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</table>

**Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>Chem 250/lab</td>
<td>1</td>
</tr>
<tr>
<td>Phys 121/lab</td>
<td>1</td>
</tr>
<tr>
<td>Approaches core</td>
<td>1</td>
</tr>
<tr>
<td>Math 280</td>
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**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Chem 340</td>
<td>1</td>
</tr>
<tr>
<td>Approaches core</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>Chem 330/lab</td>
<td>1</td>
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</table>

**Senior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Chem 490 (Sr. Research - one unit)</td>
<td>1</td>
</tr>
<tr>
<td>CN core (4)</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>Chem 493</td>
<td>0</td>
</tr>
</tbody>
</table>

### NOTES:

1. Math 290 is strongly recommended for Chem 341.
2. Should be taken concurrently with Chem 341.
3. Students desiring an American Chemical Society certified degree should take Chem 460.
4. Of the three units of upper division coursework required outside the first major, the Connections course will count for one unless it is used to meet a major requirement.

*UPS requires a total of 32 units to graduate.*

A minimum grade of C must be earned in all courses for the major.