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>
</tr>
</tbody>
</table>

### Spring Semester Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</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>
</tr>
</tbody>
</table>

### Sophomore

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<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>
<td>1</td>
</tr>
</tbody>
</table>

### Junior

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 340 (1)</td>
<td>1</td>
</tr>
<tr>
<td>FN core</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
</tr>
</tbody>
</table>

### Senior

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 or 400 Chem elective</td>
<td>0.5</td>
</tr>
<tr>
<td>Elective</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>

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

**NOTES:**

1. Math 280 is strongly recommended as pre- or corequisite for Chem 340.
2. Math 290 is strongly recommended as pre- or corequisite for Chem 341.
3. Should be taken concurrently with Chem 341.
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.