To meet university rules governing a second major, student would need to show 143+ total credits at graduation. If the student does not have any excess credits to reach 143+ total credits, they would need to add 5 credits to the plan below.

### First Year

<table>
<thead>
<tr>
<th>Cr.</th>
<th>Semester 1</th>
<th>Cr.</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td>4</td>
<td>Chem 177</td>
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<td>Chem 178</td>
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<tr>
<td>1</td>
<td>Chem 177L</td>
<td>1</td>
<td>Chem 178L</td>
</tr>
<tr>
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<td>Engl 150</td>
<td>4</td>
<td>Math 166</td>
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<td>R</td>
<td>Engr 101</td>
<td>5</td>
<td>Phys 221</td>
</tr>
<tr>
<td>3</td>
<td>Engr 160</td>
<td>3</td>
<td>Geol 100 (Gen Ed)</td>
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### Sophomore Year

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<td><strong>15 Total Credits</strong></td>
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### Junior Year

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<th>Semester 5</th>
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**16 Total Credits**  
**15 Total Credits**  
**6 Total Credits**