# Chemistry Minor

## Requirements for the Minor

Students may earn a minor in chemistry by completing the following program. The following five courses are required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1111</td>
<td>Introductory Chemistry I (MOTR CHEM 150L)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1121</td>
<td>Introductory Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 2223</td>
<td>Quantitative Analysis in Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2612</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2633</td>
<td>Organic Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>2-3</td>
</tr>
<tr>
<td>CHEM 2622</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 3312</td>
<td>Physical Chemistry I:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thermodynamics and Kinetics</td>
<td></td>
</tr>
<tr>
<td>CHEM 3412</td>
<td>Basic Inorganic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 4712</td>
<td>Biochemistry</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours: 21-22**

Courses taken for the minor may not be taken on a satisfactory/unsatisfactory basis. A GPA of at least 2.0 is required for the courses presented for the minor. At least three courses toward the minor must be completed at UMSL.