Chemistry, Minor

The Chemistry minor consists of five courses for a minimum of 19 credit hours.

Minor in Chemistry

The Chemistry minor consists of five courses for a minimum of 19 credit hours, as listed below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Chemistry Courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 1001</td>
<td>General Chemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1013</td>
<td>General Chemistry 1 for Majors</td>
<td></td>
</tr>
<tr>
<td>CHEM 1002</td>
<td>General Chemistry 2</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1014</td>
<td>General Chemistry 2 for Majors</td>
<td></td>
</tr>
<tr>
<td>CHEM 2111</td>
<td>Organic Chemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 2113</td>
<td>Organic Chemistry for Majors 1</td>
<td></td>
</tr>
<tr>
<td>CHEM 2112</td>
<td>Organic Chemistry 2</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 2114</td>
<td>Organic Chemistry for Majors 2</td>
<td></td>
</tr>
<tr>
<td>Elective Course: Choose one upper-division CHEM course or one of the following.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4012</td>
<td>Quantum Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHYS 4062</td>
<td>Introduction to Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours:</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

Notes:

- CHEM 4956 Undergraduate Research in Chemistry or CHEM 4995 Independent Study in Chemistry may not be counted toward the minor.

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- Academic Program Definitions (https://bulletin.marquette.edu/policies/academic-programs-defined/)
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College of Arts and Sciences Policies
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• Transfer Credit Policy (https://bulletin.marquette.edu/arts-sciences/policies/transfer-credit-policy/)