# Curriculum in Chemistry, BS

## Freshman

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<tr>
<th></th>
<th>Hours</th>
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<tr>
<td><strong>Fall</strong></td>
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<td><strong>Spring</strong></td>
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<tr>
<td>ENGL 1100 English Composition I</td>
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<td>ENGL 1120 English Composition II</td>
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<tr>
<td>MATH 1610 Calculus I</td>
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<td>Core History I</td>
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<tr>
<td>CHEM 1110 General Chemistry I[^1]</td>
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<td>CHEM 1120 General Chemistry for Scientists and Engineers II[^1]</td>
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<td>CHEM 1121 General Chemistry II Laboratory</td>
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## Sophomore

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<th></th>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>PHYS 1600 Engineering Physics I</td>
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<td>PHYS 1610 Engineering Physics II</td>
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<td>MATH 2630 Calculus III</td>
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<td>Core Literature I</td>
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<td>CHEM 2070 Organic Chemistry I</td>
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<td>MATH 2650 Linear Differential Equations</td>
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<td>CHEM 2080 Organic Chemistry II</td>
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<td>CHEM 3050 Analytical Chemistry</td>
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<td>CHEM 3051 Analytical Chemistry Laboratory</td>
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## Junior

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<td><strong>Fall</strong></td>
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<tr>
<td>MATH 2660 Topics in Linear Algebra</td>
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<td>Core Literature II</td>
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<td>BCHE 5180 Biochemistry I</td>
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<td>Core Social Science[^1]</td>
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<td>BCHE 5181 Biochemistry I Laboratory</td>
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<td>BCHE 5190 Biochemistry II</td>
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<td>CHEM 4080 Physical Chemistry II</td>
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## Senior

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<tr>
<th></th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<td><strong>Spring</strong></td>
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<tr>
<td>Core Social Science[^1]</td>
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<td>Core Humanities</td>
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<td>Core Fine Arts</td>
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<td>CHEM 4950 Undergraduate Seminar</td>
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<td>CHEM 5280 Computational Chemistry</td>
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<td>CHEM 4980 Undergraduate Research in Chemistry[^2]</td>
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<td>CHEM 4100 Inorganic Chemistry</td>
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<td>CHEM 4130 Instrumental Analysis</td>
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Total Hours: 120

1. Students who choose a HIST sequence other than HIST 1010 and HIST 1020 should talk to an advisor about CORE SOC SCI choices.

2. May take more CHEM 4980 as additional elective hours.

3. CHEM 1030/1031 and CHEM 1040/1041 sequence can substitute for CHEM 1110/1111 and CHEM 1120/1121. See advisor for details.

4. This course must be taken the semester of graduation.