### General Education Requirements and Degree Information: BACHELOR OF ARTS IN CHEMISTRY

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
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<tbody>
<tr>
<td>FY/Adv. Entry Seminar:</td>
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<td>05-012/212</td>
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<tr>
<td>Foreign Language (4 sem.)</td>
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<td>III.</td>
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<td>IV.</td>
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<tr>
<td>Social Justice Course:</td>
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<td>Intercultural Perspective Course:</td>
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<tr>
<td>2 different FRAs:</td>
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<tr>
<td>Humanities: 2 courses, may be same dept.:</td>
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A "C" average on all work attempted is required for graduation. No grade below "C-" may be counted toward the major or minor. At least 127 credits are required to earn a degree at Southwestern; of these, 64 credits must be completed in residence, including the last 32 credits. No more than 56 credit hours may be counted in one subject area. A major requires at least 30 credits, 60% upper-level, and a minor (optional) requires at least 18 credits (at least 12 upper-level). With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3 credits, including Fine Arts Performance.

### CHEMISTRY MAJOR (BA)

<table>
<thead>
<tr>
<th>Major Courses:</th>
<th>Grade</th>
<th>Credit</th>
<th>Major Courses:</th>
<th>Grade</th>
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<tbody>
<tr>
<td>CHE51-153 Principles of General Chemistry or CHE51-143 Principles of General Chemistry with Tutorial</td>
<td></td>
<td></td>
<td>1 (at SU) Inorganic course: CHE51-624 Intermediate Inorganic Chemistry</td>
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<tr>
<td>CHE51-151 Chemical Methods &amp; Techniques Lab</td>
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<tr>
<td>CHE51-163/161 Chemical Kinetics and Equilibrium</td>
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<td>CHE51-822 Chemistry Literature Seminar</td>
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<td><strong>Capstone (2 options):</strong></td>
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<tr>
<td>CHE51-991 Methods in Lab Research (repeated for total of 2 credits)</td>
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<tr>
<td>CHE51-912 Chem. Lab Capstone (Option1)</td>
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<tr>
<td>CHE51-924 Senior Sem Capstone (Option2)</td>
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<td><strong>1 (at SU) Organic course:</strong></td>
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<tr>
<td>CHE51-543/-541 Organic Chemistry I</td>
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<td>CHE51-553/-561 Organic Chemistry II for Majors</td>
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<td><strong>1 (at SU) Physical course:</strong></td>
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<td>CHE51-714 Physical Chem.: Thermo/Kinetics</td>
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<td><strong>Required Supporting Courses:</strong></td>
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<tr>
<td>MAT52-154 Calculus I</td>
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<td>MAT52-254 Calculus II</td>
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<td>PHY53-154 Fundamentals of Physics I</td>
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<td>PHY53-164 Fundamentals of Physics II</td>
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<td><strong>1 (at SU) Analytical course:</strong></td>
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<td>CHE51-214 Quantitative Methods of Analysis</td>
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<td>CHE51-614 Environmental Chemistry</td>
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<td>CHE51-644 Instrumentation in Environmental and Bio.</td>
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<td><strong>1 (at SU) Biochemistry course:</strong></td>
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<td>CHE51-564 General Biochemistry I for Majors</td>
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<td>CHE51-584 General Biochemistry II</td>
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<td><strong>Electives:</strong></td>
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**Total credits w/gen ed:** **Minimum of 127 credits required.**