BS in Chemistry with concentration in Biological Chemistry

Below is a sample 4-year plan for students pursuing the BS in Chemistry with a concentration in Biological Chemistry. To view the list of courses approved to fulfill KU Core Goals, please visit the KU Core website (http://kucore.ku.edu/courses).

This degree plan assumes students will have the equivalent of MATH 103 or MATH 104 prior to freshman year, fall semester.

<table>
<thead>
<tr>
<th>Course</th>
<th>Freshman</th>
<th>Hours Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal 2.1 Written Communication</td>
<td>3</td>
<td>3 Goal 2.1 Written Communication</td>
<td>3 Goal 2.1 Written Communication</td>
<td>3</td>
</tr>
<tr>
<td>Goal 1.1 Critical Thinking</td>
<td>3 MATH 126 or 146 (Major Pre-requisite)</td>
<td>4 MATH 126 or 146 (Major Pre-requisite)</td>
<td>4</td>
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</tr>
<tr>
<td>CHEM 170, 130, or 190 (Goal 3 Natural Science, Major Requirement)</td>
<td>5 CHEM 175, 135, or 195 (Major Requirement)</td>
<td>5 CHEM 175, 135, or 195 (Major Requirement)</td>
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</tr>
<tr>
<td>CHEM 180 (Major Requirement)</td>
<td>0.5 CHEM 180 170  requires eligibility for MATH 115 in order to enroll.</td>
<td>0.5 CHEM 180 170  requires eligibility for MATH 115 in order to enroll.</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Sophomore</th>
<th>Hours Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal 3 Social Science</td>
<td>3 PHSX 212 &amp; PHSX 236 (Major Pre-requisite)</td>
<td>4 PHSX 212 &amp; PHSX 236 (Major Pre-requisite)</td>
<td>4</td>
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</tr>
<tr>
<td>CHEM 250 (Major Pre-requisite)</td>
<td>3 CHEM 335 or 385 (Major Requirement)</td>
<td>3 CHEM 335 or 385 (Major Requirement)</td>
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<tr>
<td>CHEM 336 (Major Requirement)</td>
<td>2 CHEM 336 (Major Requirement)</td>
<td>2 CHEM 336 (Major Requirement)</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Junior</th>
<th>Hours Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal 3 Humanities</td>
<td>3 CHEM 535 (Major Requirement)</td>
<td>3 CHEM 535 (Major Requirement)</td>
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</tr>
<tr>
<td>Goal 4.1 US Diversity</td>
<td>3 CHEM 537 (Physical Chemistry Laboratory)</td>
<td>3 CHEM 537 (Physical Chemistry Laboratory)</td>
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<tr>
<td>CHEM 201 (Major Requirement)</td>
<td>1 BIOL 350, 400, or 416 (Major Requirement)</td>
<td>1 BIOL 350, 400, or 416 (Major Requirement)</td>
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<tr>
<td>CHEM 400 (Major Requirement)</td>
<td>3 Goal 5 Social Responsibility and Ethics</td>
<td>3 Goal 5 Social Responsibility and Ethics</td>
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<td>CHEM 401 (Major Requirement)</td>
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<td>2 CHEM 401 (Major Requirement)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Senior</th>
<th>Hours Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 695 (Major Requirement)</td>
<td>0.5 CHEM 635 (Major Requirement)</td>
<td>2 CHEM 635 (Major Requirement)</td>
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</tr>
<tr>
<td>CHEM 698 or 699 (Goal 6 Integration &amp; Creativity option)</td>
<td>2 CHEM 636 (Goal 6 Integration &amp; Creativity option)</td>
<td>2 CHEM 636 (Goal 6 Integration &amp; Creativity option)</td>
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<tr>
<td>BIOL 636 (Major Requirement)</td>
<td>4 CHEM 660 (Major Requirement)</td>
<td>2 CHEM 660 (Major Requirement)</td>
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<tr>
<td>BIOL 637 (Major Requirement)</td>
<td>2 CHEM 661 (Major Requirement)</td>
<td>2 CHEM 661 (Major Requirement)</td>
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<tr>
<td>Goal 4.2 Global Awareness</td>
<td>3 CHEM 698 or 699 (Goal 6 Integration &amp; Creativity option)</td>
<td>2 CHEM 698 or 699 (Goal 6 Integration &amp; Creativity option)</td>
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<tr>
<td>300+ Elective</td>
<td>3 BIOL 638 (Major Requirement)</td>
<td>3 BIOL 638 (Major Requirement)</td>
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<tr>
<td>Goal 6 Integration &amp; Creativity</td>
<td>Total Hours: 122</td>
<td>14.5 Goal 6 Integration &amp; Creativity</td>
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</tbody>
</table>

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

The same course cannot be used to fulfill more than one KU Core Goal. However, overlap of a KU Core course with a major or degree-specific requirement is allowed. Overlapping is recommended to allow more opportunities to explore other majors and/or minors.