## MAJOR COURSES
15 courses; Minimum 30 credits required; 29 credits must be from SU

<table>
<thead>
<tr>
<th>Select one of the following:</th>
<th>Required Supporting Course:</th>
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<tbody>
<tr>
<td>CHE51-103 Principles of General Chemistry</td>
<td>MAT52-154 Calculus I E&amp;B 0</td>
</tr>
<tr>
<td>CHE51-101 Chemical Methods and Techniques Lab</td>
<td>MAT52-254 Calculus II</td>
</tr>
<tr>
<td>CHE51-203 Chemical Kinetics &amp; Equilibrium</td>
<td>BIOS0-123 Living Systems</td>
</tr>
<tr>
<td>CHE51-201 Chemical Kinetics &amp; Equilibrium Lab</td>
<td>BIOS0-121 Investigation into Living Systems</td>
</tr>
<tr>
<td>CHE51-314 Organic Chemistry I*</td>
<td>BIOS0-133 Molecular and Population Genetics</td>
</tr>
<tr>
<td>CHE51-311 Organic Chemistry I Lab*</td>
<td>BIOS0-131 Investigation into Genetics</td>
</tr>
<tr>
<td>CHE51-324 Organic Chemistry II for Majors*</td>
<td>PHY53-154 Fundamentals of Physics I E&amp;B 0</td>
</tr>
<tr>
<td>CHE51-331 Organic Chemistry II for Majors Lab*</td>
<td>PHY53-164 Fundamentals of Physics II</td>
</tr>
<tr>
<td>CHE51-614 General Biochemistry I**</td>
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<tr>
<td>CHE51-624 General Biochemistry II**</td>
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<tr>
<td>CHE51-862 Advanced Lab in Biochemistry</td>
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<tr>
<td>CHE51-932 Senior Capstone</td>
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</tbody>
</table>

Take one additional Biochemistry course (level 600):
CHE51-6XX

Take one course from the following:
CHE51-404 Inorganic Chemistry & Biological Systems
CHE51-504 Instrumentation in Env and Biological Analysis
CHE51-704 Physical Chemistry: Thermodynamics & Kinetics

Take one additional advanced laboratory course (level 800):
CHE51-8XX

Take one of the following two options:

**Option #1:**
Two credits of one of the following two research courses
CHE51-91X Methods in Laboratory Research
CHE51-92X Laboratory Research with Distinction

**Option #2:**
Take one additional advanced Lab course (level 800). This option is only available to students who have not completed a Methods in Lab Research course.
CHE51-8XX

**Biology courses**
BIO50-232 Methods in Cellular/Molecular Biology

Take one upper level Cellular/Molecular Biology course with lab:
BIO50-XX4

*At least one course from CHE51-314/311 and CHE51-324/331 must be taken at SU

**Both Biochemistry I and II must be taken at Southwestern.**

## GENERAL EDUCATION REQUIREMENTS
At least 30 total credits required, minimum 3 credits required per course

### General Education Part I
- First Year/Adv. Entry Seminar:
  - UST05-014 or UST05-214
- Foreign Language (3 sem.)
- Social Justice Course (may double count with any requirement):
  - 2 different FRAs:

### Exploration & Breadth (E&B) - GE Part II
- Six total courses
  - CHE major and elective courses cannot be used to satisfy E & B requirements. Additionally, the BIO courses taken under the major requirements will not satisfy the E & B requirements.
  - Select one course from each of the four following areas:
    - **Humanities:**
    - **Natural Sciences:**
      - MAT52-154 Calculus I
    - **Social Sciences:**
    - **Fine Arts:**

### Social Justice Course (may double count with any requirement):
- 2 different FRAs:

| Total Earned Credits: 0 |
| Total Southwestern Credits: |
| Total Major Credits: 0 |
| Total Gen Ed Credits: 0 |

*Public Speaking, College Writing and Creative Writing courses may not count in Exploration & Breadth
Graduation Requirements:

Minimum of 127 credits: □
Cumulative GPA > 2.0 □
GPA > 2.0 for Major and/or Areas of Concentration □
All grades C- or higher in major/minor/core? □
At least 64 credits completed at Southwestern* □
Less than 56 credits of any 5 digit prefix** □
Major credits completed (min 30 required) □
60% of Major courses completed at Southwestern (29cr) □
Gen Ed has minimum of 30 credits □

Minor (optional):

Minimum 18 credits □
Minimum of 12 credits taken at Southwestern □
Minimum 2.0 minor courses CGPA □

Other:

Degree Audit Completed (Due one year before grad date) □
Graduation Application Submitted (Due last semester) □
Approved to be part time in last semester? □