### Chemistry Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Number</th>
<th>Grade</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>CHE51-103</td>
<td>Principles of General Chemistry</td>
<td></td>
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<tr>
<td>CHE51-101</td>
<td>Chemical Methods and Techniques Lab</td>
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<tr>
<td>CHE51-203</td>
<td>Chemical Kinetics &amp; Equilibrium</td>
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<tr>
<td>CHE51-201</td>
<td>Chemical Kinetics &amp; Equilibrium Lab</td>
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<tr>
<td>CHE51-314</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHE51-311</td>
<td>Organic Chemistry I Lab</td>
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<tr>
<td>CHE51-932</td>
<td>Senior Capstone</td>
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Select four upper level CHE courses (levels 300-700):

Select two advanced laboratory courses (level 800):

### Environmental Studies Major Courses

9 courses; Minimum 30 credits required. 22 credits must be from SU

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<tr>
<td>ENV49-104</td>
<td>Introduction to Environmental Studies</td>
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<tr>
<td>ENV49-204</td>
<td>Environmental GIS</td>
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<td>ENV49-364</td>
<td>U.S. Environmental Policy</td>
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<tr>
<td>ENV49-964</td>
<td>Capstone in Environmental Studies</td>
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<tr>
<td>CHE51-101</td>
<td>Principles of General Chem &amp; Lab</td>
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<tr>
<td>CHE51-504</td>
<td>Instrumentation in Environmental and Bio Analysis*</td>
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<tr>
<td>CHE51-852</td>
<td>Advanced Lab in Analytical Chemistry</td>
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</table>

*Other Natural Science courses are available; however, these are the three CHE courses that can be double counted.

Select one course on Environmental Justice:

- Anthropology:
  - ANT35-254 Latinx and Latin American Spirit
  - ANT35-334 Global Environmental Justice

- Feminist Studies:
  - FST04-314 Odd Ducks: Critical Animality
  - REL19-334 Apocalypse
  - REL19-344 Animals and Religion
  - REL19-374 Sacred Space and Environment

- German:
  - GER12-354 Contemporary German Culture
  - GER12-714 Transnational Identity Narratives: Gender/Nature/Culture

- History:
  - HIS16-084 Disease, Health and Medicine in World History
  - HIS16-504 The History of the US West

- Philosophy:
  - PHI18-234 Environmental Philosophy
  - REL19-334 Apocalypse
  - REL19-344 Animals and Religion
  - REL19-374 Sacred Space and Environment
  - REL19-364 Pilgrimage

**Courses cannot double count for both Environmental Justice and Environmental Humanities

Select one course in the Environmental Humanities:

- Art History:
  - AH17-254 Landscape & Environment in Chinese Art

### Required Supporting Courses:

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<th>Course</th>
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<th>Grade</th>
<th>Credit</th>
</tr>
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<tbody>
<tr>
<td>MAT52-154</td>
<td>Calculus I</td>
<td>GEN ED</td>
<td>0</td>
</tr>
<tr>
<td>PHYS3-154</td>
<td>Fundamentals of Physics I</td>
<td>GEN ED</td>
<td>0</td>
</tr>
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</table>

**Courses cannot double count for both Environmental Justice and Environmental Humanities

Select one additional course from the ENV Justice or Humanities list or one of the following:

**Courses cannot double count for Environmental Justice or Environmental Humanities or the additional course

### University Electives:

- Chinese:
  - CHI22-352 Intermediate/Advanced Modern Chinese
  - CHI22-334 Intermediate/Advanced Modern Chinese

- Economics:
  - ECO31-324 Environmental Economics

- Education:
  - EDU40-334 Promoting Environmental Literacy
  - EDU40-514 Teaching Science in the Elem/Middle Schools

- Environmental Studies:
  - ENV49-274 Sustainable Cities
  - ENV49-284 Sustainable Food and Agriculture

- Theatre:
  - THE2-814 Theatre Sustainability

**Courses cannot double count for Environmental Justice or Environmental Humanities or the additional course

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<tbody>
<tr>
<td>MAT52-114</td>
<td>Introduction to Statistics</td>
<td>E&amp;B</td>
<td>0</td>
</tr>
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</table>

### General Education Requirements

At least 30 total credits required, minimum 3 credits required per course

**Courses cannot double count for Environmental Justice or Environmental Humanities or the additional course
Social Justice Course (may double count with any requirement):

2 different FFRAs:

Natural Sciences:

MAT53-154 Calculus I

Social Sciences:

Fine Arts:

CHE ENV

Select two additional courses from the four areas listed above. Courses must be from different areas and from different subjects from above courses:

PHY153-154 Fundamentals of Physics I (DVNS)

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

Notes:

Graduation Requirements: CHE ENV

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*
No more than 56 credits of any 5 digit prefix**
Major credits completed (min 30 required)
60% of Major courses completed at Southwestern
Gen Ed has minimum of 30 credits

Minor (optional):
Minimum 18 credits
Minimum 2.0 minor courses CGPA

Other:
Degree Audit Completed (Due one year before grad date)
Grad Application Submitted (Due start of final semester)
Approved to be part time in last semester?