BS – Chemistry
(SC-Bs/CHEM)

2024 Catalog year: College of Science and Engineering

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science Undergraduate Advising Center for advising.

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

KEY:
Arrows indicate prerequisites.
Arrows with dotted lines indicate co-requisites.
Arrows with dash lines are recommended prerequisites.
Courses taught specific semesters are indicated with the following codes:
F= Fall
Su= Summer Session I or II
S= Spring

CHEM 3330
(F)
Physical Chemistry I

CHEM 3340
(S)
Physical Chemistry II

CHEM 3341
(F)
Descriptive Inorganic Chemistry

CHEM 4231
(S) Advanced Lab I

CHEM 4237
(F)
Biochemistry

CHEM 4311
(F)
Instrumental Analysis

CHEM 4313
(S) Advanced Lab II

CHEM 4334
(F)
Advanced Inorganic Chemistry

Core courses must be completed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Check Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2342</td>
<td>6</td>
<td>General Chemistry II (F,S) or CHEM 2341, 2142 or CHEM 1142, 1143 or 1144</td>
</tr>
<tr>
<td>CHEM 2341</td>
<td>6</td>
<td>General Chemistry I (F,S) or CHEM 2342, 2142 or CHEM 1142, 1143 or 1144</td>
</tr>
<tr>
<td>MATH 2471</td>
<td>3</td>
<td>Calculus I (F,S,Su)</td>
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<tr>
<td>MATH 2472</td>
<td>3</td>
<td>Calculus II (F,S,Su)</td>
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<tr>
<td>PHYS 2125</td>
<td>3</td>
<td>Mechanics (F)</td>
</tr>
<tr>
<td>PHYS 2126</td>
<td>3</td>
<td>Electricity &amp; Magnetism (F)</td>
</tr>
<tr>
<td>PHYS 2325</td>
<td>3</td>
<td>Mechanics (F,S)</td>
</tr>
<tr>
<td>PHYS 2326</td>
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<td>Electricity &amp; Magnetism (F,S)</td>
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<td>CHEM 1341</td>
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<td>General Chemistry I (F,S,Su)</td>
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<tr>
<td>CHEM 1342</td>
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<td>General Chemistry II (F,S,Su)</td>
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<tr>
<td>CHEM 2341</td>
<td>6</td>
<td>General Chemistry I (F,S,Su)</td>
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<td>6</td>
<td>General Chemistry II (F,S,Su)</td>
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<tr>
<td>CHEM 3330</td>
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<td>Physical Chemistry I (F)</td>
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<tr>
<td>CHEM 3340</td>
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<td>Physical Chemistry II (S)</td>
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<tr>
<td>CHEM 4331</td>
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<td>Instrumental Analysis (F)</td>
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<tr>
<td>CHEM 4375</td>
<td>4</td>
<td>Biochemistry (F,S,Su)</td>
</tr>
<tr>
<td>CHEM 4341</td>
<td>4</td>
<td>Advanced Inorganic Chemistry (F)</td>
</tr>
</tbody>
</table>

Required WI courses: CHEM 3245, 4231, 4241

TXST options: ENG 1310, ENG 1320, ENG 1321, COMM 1310, ENG 3303
CHEM required course: MATH 2471
CHEM required course: CHEM 2342
CHEM required course: Satisfied in Major
CHEM required course: MATH 2472
CHEM required course: MATH 2471
CHEM required course: MATH 2472
CHEM required course: MATH 2471
CHEM required course: MATH 2472
CHEM required course: MATH 2471
CHEM required course: MATH 2472

See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/

US 1100 may be required for some students. Consult with an advisor regarding course choices.

3-4 hours advanced CHEM electives
Check prerequisites.

Note: Certification of the degree as approved by the American Chemical Society requires 4 credit hours of a combination of CHEM 3390, CHEM 3290, or CHEM 4299.