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.

### BS – Chemistry: Teacher Certification (SC-BS/CHEM/EDUC/CEM7)

<table>
<thead>
<tr>
<th>Freshman Fall semester</th>
<th>Freshman Spring semester</th>
<th>Sophomore Fall semester</th>
<th>Sophomore Spring semester</th>
<th>Junior Fall semester</th>
<th>Junior Spring semester</th>
<th>Senior Fall semester</th>
<th>Senior Spring semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1430 (F,S) Mechanics</td>
<td>MATH 2472 (F,S,Su) Calculus II</td>
<td>PHYS 2425 (F,S) Electromagnetism</td>
<td>CHEM 3330 (F,Su) Physical Chemistry I</td>
<td>CHEM 4331 (F,S) Instrumental Analysis</td>
<td>CHEM 3341 (S,Su) Biochemistry</td>
<td>Block 1: CI 3340, 4343, SPED 4344 (SPED 4344 TCCNS: EDUC 2301)</td>
<td>Block 2: CI 4370, CI 4372, RDG 3323</td>
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<tr>
<td>MATH 2471 (F,S,Su) Calculus I</td>
<td>TCCNS: MATH 2413</td>
<td>TCCNS: PHYS 2426 or 2326+2526</td>
<td>CHEM 3340 (S,Su) Physical Chemistry II</td>
<td>CHEM 4341 (F,S,Su) Biochemistry</td>
<td>Requires CHIM 2342</td>
<td>Requires: admission into Teaching Program - CI 3340, 4343 and SPED 3344 with a C or higher - 2.75+ overall GPA - junior or senior classification - application and approval to the block experience</td>
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<tr>
<td>CHEM 1341 (F,S,Su) &amp; CHEM 1141 (F,S) General Chemistry I</td>
<td>CHEM 1342 (F,S,Su) General Chemistry II</td>
<td>CHEM 2341 (F,S,Su) &amp; CHEM 2141 (F,S,Su) Organic Chemistry I</td>
<td>CHEM 2342 (F,S,Su) &amp; CHEM 2142 (F,S,Su) Organic Chemistry II</td>
<td>CHEM 2310 Education for Change TCCNS: EDUC 2301</td>
<td>CI 3325 Adolescents &amp; Society</td>
<td>EDST 4681 Student Teaching</td>
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</tr>
<tr>
<td>CI 2310 Education for Change TCCNS: EDUC 2301</td>
<td>CHEM 2345 (S,Su) Physical Chemistry Lab</td>
<td>CHEM 4231 (F,S) Advanced Lab I</td>
<td>CHEM 4241 (F,S) Advanced Lab II</td>
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<tr>
<td>CHEM 3410 (F,S,Su) Quantitative Analysis</td>
<td>CHEM 3245</td>
<td>CHEM 4245 (F) R&amp;D Development Practice (minimum 2.5 Overall GPA required)</td>
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</tbody>
</table>

### 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
  - S - Spring
  - Su - Summer Session I or II
- Required WI courses: CHEM 3245, 4231, 4241
- Additional WI courses:
  - CHEM 3425, 4241

### Core courses must be completed:
- US 1100
- ENGL 1305 or 1320
- ART/DAN/MU/THT 2313
- ENG 1310
- HIST 1310
- POSI 2310
- ANTH 1312/EKO 2301/EKO 2314/GEO 1310/PSY 1300/SOC 1310

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.

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### Notes
- In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.
- Must have a 2.75 overall GPA, 2.5 major GPA and no grade less than C in major/minor courses. Must be admitted to the Education Preparation Program.