BACHELOR OF SCIENCE (B.S.)
MAJOR IN CHEMISTRY

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).

3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors/). Minor and electives should be chosen in consultation with the academic advisor.

4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student completes depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

5. Nine semester credit hours must be writing intensive (WI).

6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

<table>
<thead>
<tr>
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<th>Freshman</th>
<th>Second Semester Hours</th>
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<tbody>
<tr>
<td>CHEM 1141 (TCCN CHEM 1141)</td>
<td>1 CHEM 1142 (TCCN CHEM 1112)</td>
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<tr>
<td>CHEM 1341 (Life and Physical Sciences Component Code 030 [TCCN CHEM 1311])</td>
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<td>US 1100</td>
<td>1 ENG 1320 (Communication Component Code 010 [TCCN ENGL1302])</td>
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<td>ENG 1310 (Communication Component Code 010 [TCCN ENGL1301])</td>
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<tr>
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<td>MATH 2472 (Component Area Option Code 090/092 [TCCN MATH 2414])</td>
<td>4 PHYS 2425 (Component Area Option Code 090/093 [TCCN PHYS 2426])</td>
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<td>PHYS 1430 (TCCN 2425)</td>
<td>4 ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050 [TCCN HUMA 1315])</td>
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<tr>
<td>Social and Behavioral Sciences Component Code 080</td>
<td>3 PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040 [TCCN PHIL 1301 &amp; 2306])</td>
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<td>CHEM 3410</td>
<td>4 CHEM 3245</td>
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<tr>
<td>Elective</td>
<td>3 POSI 2320 (Government/Political Science Component Code 070 [TCCN GOVT 2305])</td>
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<td>American History Component Code 060</td>
<td>3 Advanced Electives</td>
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<td>Minor Advanced Elective</td>
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<td>2 CHEM Advanced Elective</td>
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1. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.