Bachelor of Science (B.S.) Major in Chemistry (Pre-Pharmacy Concentration)

Minimum required: 127 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/). The Biology minor is recommended and is included in the following degree plan. Minor and electives should be chosen in consultation with the academic advisor.

4. The minimum number of hours required for this degree program is 127. The number of elective hours a student completes depends on the number of hours a student may need to achieve the required 127 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.

7. Students in this concentration must complete BIO 1330 & BIO 1130, BIO 1331 & BIO 1130, BIO 2400, BIO 2450, BIO 2451, BIO 2452, MATH 2328 or MATH 3305, PHIL 1305 or PHIL 1320, and one from: PSY 1300, SOCI 1310, or ECO 2314.

Course Requirements

<table>
<thead>
<tr>
<th>BACHELOR OF SCIENCE (B.S.) MAJOR IN CHEMISTRY (PRE-PHARMACY CONCENTRATION)</th>
<th>BIO 1330</th>
<th>3 MATH 2471 (Mathematical Component Code 020)</th>
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<tr>
<td>BIO 1130</td>
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<tr>
<th>Freshman</th>
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<th>Summer Hours</th>
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<tr>
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<td>CHEM 2341</td>
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<td>CHEM 2342</td>
<td>3 BIO 2400</td>
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<td>PHYS 2425 (Life and Physical Sciences Component Code 030 and Component Area Option Code 090/093)</td>
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<td>PHYS 1430 (Life and Physical Sciences Component Code 030)</td>
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<td>PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040)</td>
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<td>HIST 1320 (American History Component Code 060)</td>
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<td>CHEM 3410</td>
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<td>CHEM 3245</td>
<td>2 POSI 2310 (Governmental Political Science Component Code 070)</td>
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<td>BIO 2451</td>
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<td>MATH 2328 or 3305</td>
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<td>CHEM 4375</td>
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<td>Minor Advanced Elective</td>
<td>ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)</td>
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Total Hours: 127

1. PSY 1300 or SOCI 1310 or ECO 2314 are Social and Behavioral Sciences Component options that also meet the requirements for this concentration.

2. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.