

# BACHELOR OF SCIENCE (B.S.) MAJOR IN CHEMISTRY (PRE- PHARMACY CONCENTRATION)

**Minimum required: 133-134  
semester credit hours**

## General Requirements

- 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.
- Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
- Majors 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.
- The minimum number of hours required for this degree program is 134. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 134 total or 36 advanced hours.
- Nine semester credit hours must be writing intensive (WI).
- 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

Freshman			
First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
COMM 131C (Component Area Option Code 090/091)	3	BIO 1331	3
ENG 1310 (Communication Component Code 010)	3	BIO 1131	1
BIO 1330	3	MATH 2471 (Mathematic Component Code 020)	4

Sophomore					
First Semester	Hours	Second Semester	Hours	Summer	Hours
BIO 1130	1				
	15		15		
CHEM 2141	1	CHEM 2142	1	Summer I:	
CHEM 2341	3	CHEM 2342	3	HIST 1310 (American History Component Code 060)	3
MATH 2472	4	PHYS 2425 (Life & Physical Sciences Component Code 030)	4	Summer II:	
PHYS 1430 (Life & Physical Sciences Component Code 030)	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	BIO 2400	4
ENG Literature (Component Area Option Code 090/094)	3	BIO 2450	4		
	15		15		7
First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 3330	3	CHEM 3340	3	Summer I:	
CHEM 3410	4	CHEM 3245	2	POSI 2310 (Government Political Science Component Code 070)	3
BIO 2451	4	MATH 2328 or 3305	3	Summer II:	
Social & Behavioral Sciences Component Code 080 <sup>1</sup>	3	CHEM 4375	3	POSI 2320 (Government Political Science Component Code 070)	3
		BIO 2452	4	HIST 1320 (American History Component Code 060)	3
	14		15		9

<b>Senior</b>			
<b>First Semester</b>	<b>Hours</b>	<b>Second Semester</b>	<b>Hours</b>
CHEM 3341	3	CHEM 4341	3
CHEM 4331	3	CHEM 4241	2
CHEM 4231	2	Minor Advanced Elective	3
Minor Advanced Elective	3	Advanced CHEM Elective <sup>2</sup>	3-4
Minor Advanced Elective	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
14		14-15	

Total Hours: 133-134

<sup>1</sup> See the Core Curriculum section of this catalog for general education core curriculum requirements. PSY 1300 or SOCI 1310 or ECO 2314 is strongly recommended for the Social and Behavioral Sciences Component.

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