

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

**Minimum required: 125-127  
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. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (<http://www.mycatalog.txstate.edu/undergraduate/minors>). A minor in Biology is recommended and 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 126. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 126 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

				Freshman
First Semester	Hours	Second Semester	Hours	
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	
CHEM 1141	1	CHEM 1142	1	
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 (Mathematics Component Code 020)	4	
BIO 1130	1			
		15	15	

						Sophomore
First Semester	Hours	Second Semester	Hours	Summer	Hours	
CHEM 2141	1	CHEM 2142	1	Summer I:		
CHEM 2341	3	CHEM 2342	3	HIST 1310 (American History Component Code 060)	3	3
MATH 2472	4	PHYS 2425	4	Summer II:		
PHYS 1430	4	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	HIST 1320 (American History Component Code 060)	3	3
ENG Literature (Component Area Option Code 090/094)	3	BIO 2400	4			
		15	15			6

						Junior
First Semester	Hours	Second Semester	Hours	Summer	Hours	
CHEM 3330	3	CHEM 3340	3	POSI 2320 (Government/Political Science Component Code 070)	3	3
CHEM 3410	4	CHEM 3245	2			
BIO 2450	4	MATH 2328 or 3305	3			
POSI 2310 (Government/Political Science Component Code 070)	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3			
		BIO 3421	4			
		14	15			3

## Senior

First Semester	Hours	Second Semester	Hours
CHEM 3341	3	CHEM 4341	3
CHEM 4331	3	CHEM 4241	2
CHEM 4231	2	Minor Advanced Elective <sup>2</sup>	2-3
CHEM 4375	3	Advanced CHEM Elective <sup>1</sup>	3-4
Minor Advanced Elective <sup>2</sup>	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
14		13-15	

Total Hours: 125-127

<sup>1</sup> CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.

<sup>2</sup> Biology Advanced Electives may not include the following: BIO 3351, BIO 4299, BIO 4305, BIO 4402, BIO 4403, or BIO 4408.