

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

**Minimum required: 120
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>). Minor and electives should be chosen in consultation with the academic advisor.
- The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 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 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	MATH 2471 (Mathematics Component Code 020)	4
POSI 2310 (Government/Political Science Component Code 070)	3		
	14		14

Sophomore			
First Semester Hours		Second Semester Hours	
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
MATH 2472	4	PHYS 2425	4
PHYS 1430	4	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

ENG Literature (Component Area Option Code 090/094)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
		Free Electives	3
	15		17

Junior			
First Semester Hours		Second Semester Hours	
CHEM 3330	3	CHEM 3340	3
CHEM 3410	4	CHEM 3245	2
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/Political Science Component Code 070)	3
Free Elective	3	Social & Behavioral Sciences Component Code 080	3
Minor Advanced Elective	3	Minor Advanced Elective	3
	16		14

Senior			
First Semester Hours		Second Semester Hours	
CHEM 3341	3	CHEM 4341	3
CHEM 4331	3	CHEM 4241	2
CHEM 4231	2	CHEM Advanced Elective ¹	3-4
CHEM 4375	3	Free Electives	3
Minor Advanced Elective	3	Free Electives	2-3
Free Electives	2		
	16		14

Total Hours: 120

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