

BACHELOR OF SCIENCE (B.S.) MAJOR IN CHEMISTRY (TEACHER CERTIFICATION IN CHEMISTRY, GRADES 7-12)

**Minimum required: 120
semester credit hours**

Admission Requirement

- All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (<http://mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation>).

General Requirements

- In the Bachelor of Science (B.S.) degree with a major in Chemistry CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.
- 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.
- A minor in Secondary Education is required.
- Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
- 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).
- In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
- To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a "C" in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
- 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.
- All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (<http://mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation>). (Hyperlink is <https://>

next.mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation/)

- The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

					Freshman	
First Semester	Hours	Second Semester	Hours	Summer	Hours	Hours
CHEM 1141	1	CHEM 1142	1	Summer I:		
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	CHEM 2141		1
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4	CHEM 2341		3
US 1100	1	PHYS 1430	4	Summer II:		
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3	CHEM 2142		1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3			CHEM 2342		3
			15	15	8	
					Sophomore	
First Semester	Hours	Second Semester	Hours	Summer	Hours	Hours
CHEM 3330	3	CHEM 3340	3	Summer I:		
CHEM 3410	4	CHEM 3245	2	HIST 1310 (American History Component Code 060)		3
PHYS 2425	4	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	POSI 2310 (Government/Political Science Component Code 070)		3

ENG Literature (Component Area Option Code 090/094)	3	COMM 131C (Component Area Option Code 090/091)	3	Summer II:	
	Free Electives		2	HIST 1320 (American History Component Code 060)	3
				POSI 2320 (Government Political Science Component Code 070)	3
	14		13		12

Junior

First Semester	Hours	Second Semester	Hours
CHEM 3341	3	CI 4332	3
CHEM 4331	3	CHEM 4341	3
CHEM 4231	2	CHEM 4241	2
CHEM 4375	3	CI 3325	3
CHEM 4295	2	Free Electives	1
	13		12

Senior

First Semester	Hours	Second Semester	Hours
Social & Behavioral Sciences Component Code 080	3	EDST 4681	6
CI 4370	3		
CI 4343	3		
RDG 3323	3		
	12		6

Total Hours: 120