

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

**Minimum required: 123
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.
- Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
- Students must select a minor from the approved list of Undergraduate Minors (<http://www.mycatalog.txstate.edu/undergraduate/minors/>). The minor in Biology is recommended and 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 123. The number of elective hours a student completes depends on the number of hours a student may need to achieve the required 123 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.
- Students must complete 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

			Freshman
First Hours Semester	Second Hours Semester		
CHEM 1141	1 CHEM 1142	1	
CHEM 1341	3 CHEM 1342	3	
BIO 1130	1 BIO 1131	1	
BIO 1330 (Life and Physical Sciences Component Code 030)	3 BIO 1331 (Life and Physical Sciences Component Code 030)	3	
US 1100	1 MATH 2471 (Mathematics Component Code 020)	4	

ENG 1310 (Communic: Component Code 010)	3	ENG 1320 (Communic: Component Code 010)	3
PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040)	3		
15		15	

			Sophomore
First Hours Semester	Second Hours Semester		
CHEM 2141	1 CHEM 2142	1	
CHEM 2341	3 CHEM 2342	3	
MATH 2472 (Component Area Option Code 090/092)	4 BIO 2450	4	
BIO 2400 American History Component Code 060	4 PHYS 1430 American History Component Code 060	4	
15		15	

			Junior
First Hours Semester	Second Hours Semester	Summer Hours	
CHEM 3375	3 CHEM 3380	3 Summer I:	
CHEM 3390	3 CHEM 3381	3 POSI 2310 (Governmen Political Science Component Code 070)	3
BIO 2451	4 BIO 2452	4 Summer II:	
PHYS 2425 (Component Area Option Code 090/093)	4 MATH 2328 or 3305	3 POSI 2320 (Governmen Political Science Component Code 070)	3
14		13	

			Senior
First Hours Semester	Second Hours Semester		
CHEM 4360	3 CHEM 4385	3	
CHEM 4481 Minor Advanced Elective	4 CHEM 4382 3 Minor Advanced Elective	3	
14		6	

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

Minor Advanced Elective	3 ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social and Behavioral Sciences Component Code 080 ¹	3 Advanced Elective	2
	16	14

Total Hours: 123

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