



Bachelor of Science, Chemistry (Biochemistry Concentration)

CORE REQUIREMENTS

Department of Chemistry

936.294.1532

chemistry@shsu.edu

Course Name	Hours	TCCNS	SHSU
Communication (6 hours)			
Composition I	3	ENGL 1301	ENGL 1301
Composition II	3	ENGL 1302	ENGL 1302
Mathematics (3 hours)			
Calculus I	4	MATH 2413	MATH 1420
Life & Physical Sciences (6 hours)			
Choose <u>two</u> courses from your current Texas community college's core approved list.			
Language, Philosophy, & Culture (3 hours)			
Choose <u>one</u> course from your current Texas community college's core approved list.			
Creative Arts (3 hours)			
Choose <u>one</u> course from your current Texas community college's core approved list.			
American History (6 hours)			
United States History to 1876	3	HIST 1301	HIST 1301
United States History Since 1876	3	HIST 1302	HIST 1302
Government/Political Science (6 hours)			
American Government	3	GOVT 2305	POLS 2305
Texas Government	3	GOVT 2306	POLS 2306
Social & Behavior Sciences (3 hours)			
Choose <u>one</u> course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)			
Choose <u>two</u> courses from your current Texas community college's core approved list.			

MAJOR REQUIREMENTS

Full Degree can be found here: <https://www.shsu.edu/programs/bachelor-of-science-in-chemistry>

Course Name	Hours	TCCNS	SHSU
Calculus I	4	MATH 2413	MATH 1420
Calculus II	4	MATH 2414	MATH 1430
Organic Chemistry I Lecture & Lab	4	CHEM 2323/2123	CHEM 2323/2123
Organic Chemistry II Lecture & Lab	4	CHEM 2325/2125	CHEM 2325/2125
General Chemistry I	4	CHEM 1411	CHEM 1411
General Chemistry II	4	CHEM 1412	CHEM 1412
General Physics Mechanics & Physics Lab I	4	PHYS 1301/1101	PHYS 1301/1101
General Phy-Snd-Lght-Elec-Mag & Physics Lab II	4	PHYS 1302/1102	PHYS 1302/1102
Anatomy & Physiology I**	4	BIOL 2401	BIOL 2403
Elementary Statistics**	3	MATH 1342	MATH 1342
General Biology I	4	BIOL 1406	BIOL 1406
General Biology II	4	BIOL 1407	BIOL 1407

Courses required for minor

Full list of minors can be found here: <https://catalog.shsu.edu/degree-programs>

*SHSU accepts a maximum of 70 credit hours: 66 academic hours + 4 hours of activity-based physical education (kinesiology) hours.

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

A grade of C or higher is required for [CHEM 1411](#), [CHEM 1412](#), [CHEM 2323](#), [CHEM 2123](#), [CHEM 2325](#), [CHEM 2125](#), [CHEM 2401](#), and [CHEM 4448](#), and in all required Physics and Mathematics courses.

**Count as prescribed electives for concentration