

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)¹			
Calculus I	4	MATH 2413	MATH 1420
Life & Physical Sciences (6 hours)²			
Choose two courses from your current Texas community college's core approved list.			
Language, Philosophy, & Culture (3 hours)			
Choose one course from your current Texas community college's core approved list.			
Creative Arts (3 hours)			
Choose one 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 & Behavioral Science (3 hours)			
Choose one course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)¹			
Choose two 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 II	4	MATH 2414	MATH 1430
General Chemistry I	4	CHEM 1411	CHEM 1411
General Chemistry II	4	CHEM 1412	CHEM 1412
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 Physics Mechanics & Physics Lab I OR Introduction to Physics I	4	PHYS 1301/1101 PHYS 2425	PHYS 1301/1101 PHYS 1411
General Physics-Sound, Light, Electricity, & Magnetism, & Physics Lab II OR Introduction to Physics II	4	PHYS 1302/1102 PHYS 2426	PHYS 1302/1102 PHYS 1422
Anatomy & Physiology I ³	4	BIOL 2401	BIOL 2403
Elementary Statistics ³	3	MATH 1342	MATH 1342
General Biology I	4	BIOL 1406	BIOL 1406
General Biology II	4	BIOL 1407	BIOL 1407

Courses for required minor

A minor is required for this program. A 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, overall major GPA in all major coursework, SHSU GPA in all coursework, and 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.

1-MATH 1420 requirement for Core Curriculum Component Area II (Mathematics) as well as one hour of Component Area IX (Component Area Option).

2-CHEM 1411 and CHEM 1412 satisfy the Core Curriculum requirements for Component Area III (Life and Physical Science) and the Major Specific requirement.

3-Count as prescribed electives for concentration