

Bachelor of Science, Chemistry (Professional Chemist Track)

CORE REQUIREMENTS

Department of Chemistry

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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 <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	HSTY 1301
United States History since 1876	3	HIST 1302	HSTY 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 <u>one</u> course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)¹			
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 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 23232/2123
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

*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 minor is not required with this degree plan.

A grade of C or higher is required for CHEM 1411, CHEM 1412, CHEM 2123, CHEM 2125, CHEM 2323, CHEM 2325, CHEM 2401, CHEM 3367, 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.