

Bachelor of Science, Chemistry (Biochemistry and Medicine Concentration)

Department of Chemistry

936.294.1532

chemistry@shsu.edu

Core Curriculum Requirements	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	General Chemistry I and General Chemistry II	8	CHEM 1411 and CHEM 1412	CHEM 1411 and CHEM 1412
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) ^{1,4}	Choose courses from your current Texas community college's core approved list.			
Major Requirement or Field of Study	Course Name	Hours	TCCNS	SHSU
Major	Calculus II	4	MATH 2414	MATH 1430
Major	Organic Chemistry I Lecture & Lab	4	CHEM 2323/2123	CHEM 2323/2123
Major	Organic Chemistry II Lecture & Lab	4	CHEM 2325/2125	CHEM 2325/2125
Major	General Physics Mechanics & Physics Lab I OR Introduction to Physics I	4	PHYS 1301/1101 PHYS 2425	PHYS 1301/1101 PHYS 1411
Major	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
Major	Human Anatomy & Physiology I ³	4	BIOL 2401	BIOL 2403
Major	Human Anatomy & Physiology II ³	4	BIOL 2402	BIOL 2404
Major	Elementary Statistics ³	3	MATH 1342	MATH 1342
Major	General Biology I	4	BIOL 1406	BIOL 1406
Major	General Biology II	4	BIOL 1407	BIOL 1407

*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 in addition to the Biochemistry and Medicine Concentration.

A grade of C or higher is required for CHEM 1411, CHEM 1412, CHEM 2323, CHEM 2123, CHEM 2325, CHEM 2125, CHEM 2401, CHEM 3367, and CHEM 4448 and in all required Physics and Mathematics courses.

1 - MATH 1420 satisfies the requirement for the 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

4 - UNIV 1101 satisfies one credit hour of the Core Curriculum requirement for Component Area IX (Component Area Option) and the Degree Specific requirement.

Full degree can be found here: [Chemistry](#)