

Bachelor of Science, Mathematics

Department of Mathematics & Statistics

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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)	Choose <u>two</u> courses from your current Texas community college's core approved list. <i>Mathematics BS Degrees require students to select 8 hours in the same field from the following: General Biology I (BIOL 1406) & General Biology II (BIOL 1407) OR General Chemistry I (CHEM 1411) & General Chemistry II (CHEM 1412) OR Eight hours from: GEOL 1403, GEOL 1404, GEOL 1405, & GEOG 1401 (TCCN: GEOL 1447)</i>			
Language, Philosophy, & Culture (3 hours) ²	Choose <u>one</u> course from your current Texas community college's core approved list. <i>ENGL 2332 or ENGL 2333 is required for the SHSU degree.</i>			
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 Requirement or Field of Study	Course Name	Hours	TCCNS	SHSU
Major	Programming Fundamentals I	4	COSC 1436	COSC 1436
Major	Intro to Physics I	4	PHYS 2425	PHYS 1411
Major	Intro to Physics II	3	PHYS 2426	PHYS 1422
Major	Calculus II	4	MATH 2414	MATH 1430
Major	Calculus III	4	MATH 2415	MATH 2440

Courses for required minor

A minor is required for this program. A full list of minors can be found here: [Degrees Offered < Sam Houston State University](#)

*SHSU accepts a maximum of 70 credit hours: 66 academic hours + 4 hours of activity-based physical education (kinesiology) hours. Students must meet a 2.5 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum overall GPA in all coursework, SHSU GPA in all coursework, and SHSU major GPA in all major coursework.

A minor is required for this program.

1 - MATH 1420 satisfies the Core Curriculum requirement for Component Area II (Mathematics), and 1 credit hour of Component Area IX (Component Area Option).

2 - ENGL 2332 or ENGL 2333 satisfies the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).

Full degree can be found here: [Mathematics, Bachelors](#)