

Bachelor of Arts, Mathematics

CORE REQUIREMENTS

Department of Mathematics & Statistics

936.294.1223

math_stat@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			
See Component Area III requirements below**			
Language, Philosophy, & Culture (3 hours)³			
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)⁴			
Choose <u>one</u> course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)^{1,5}			
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-degree-in-mathematics/index.html>

Course Name	Hours	TCCNS	SHSU
Programming Fundamentals I	4	COSC 1436	COSC 1436
World Literature I: Before 17 th Century	3	ENGL 2332	ENGL 2332
Critical Thinking	3	PHIL 2303	PHIL 2303
Intro to Physics I**	4	PHYS 2425	PHYS 1411
Calculus I	4	MATH 2413	MATH 1420
Calculus II	4	MATH 2414	MATH 1430
Calculus III	4	MATH 2415	MATH 2440
Component Area III (Life & Physical Sciences) requirements			
Mathematics BA degrees require PHYS 2425 and a second lab science course from component area III.			
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/			
Foreign Language Requirement (14 hours)³			
SHSU requires 4 semesters of foreign language (same field).			

*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 Core Curriculum requirement for Component Area II (Mathematics) and one semester credit hour of Component Area IX (Component Area Option).

2 - PHYS 1411 satisfies 4 hours of Core Curriculum requirement for Component Area III (Life and Physical Sciences)

**Choose 2nd science from the Courses for Science Majors Course List (from Component Area III): BIOL 1406, BIOL 1407, BIOL 2401, CHEM 1411, CHEM 1412.

3 - Intermediate I of foreign language (2311) satisfies Core Curriculum requirements for Component Area IV: Language, Philosophy, and Culture.

4 - PHIL 2303 satisfies Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

5 - ENGL 2332 satisfies three semester credit hours of the Core Curriculum requirement for Component Area IX (Component Area Option).