

## Bachelor of Arts, Mathematics

### CORE REQUIREMENTS

Department of Mathematics & Statistics

936.294.1223

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Course Name	Hours	TCCNS	SHSU
<b>Communication (6 hours)</b>			
Composition I	3	ENGL 1301	ENGL 1301
Composition II	3	ENGL 1302	ENGL 1302
<b>Mathematics (3 hours)<sup>1</sup></b>			
Calculus I	4	MATH 2413	MATH 1420
<b>Life &amp; Physical Sciences (6 hours)<sup>2</sup></b>			
See Component Area III requirements below**			
<b>Language, Philosophy, &amp; Culture (3 hours)<sup>3</sup></b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>Creative Arts (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>American History (6 hours)</b>			
United States History to 1876	3	HIST 1301	HSTY 1301
United States History since 1876	3	HIST 1302	HSTY 1302
<b>Government/Political Science (6 hours)</b>			
American Government	3	GOVT 2305	POLS 2305
Texas Government	3	GOVT 2306	POLS 2306
<b>Social &amp; Behavioral Science (3 hours)<sup>4</sup></b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>Component Area Option Recommendations (6 hours)<sup>1,5</sup></b>			
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 <sup>th</sup> 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
<b>Component Area III (Life &amp; Physical Sciences) requirements</b>			
Mathematics BA degrees require PHYS 2425 and a second lab science course from component area III.			
<b>Courses for required minor</b>			
A minor is required for this program. A full list of minors can be found here: <a href="https://catalog.shsu.edu/degree-programs/">https://catalog.shsu.edu/degree-programs/</a>			
<b>Foreign Language Requirement (14 hours)<sup>3</sup></b>			
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 2<sup>nd</sup> 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).