

## Bachelor of Science, Mathematics

### CORE REQUIREMENTS

Department of Mathematics & Statistics

936.294.1223

math\_stat@shsu.edu

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)</b>			
See Component Area III requirements below**			
<b>Language, Philosophy, &amp; Culture (3 hours)<sup>2</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)</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</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 the 17 <sup>th</sup> Century or World Literature II: From the 17 <sup>th</sup> Century and After	3	ENGL 2332 or ENGL 2333	ENGL 2332 or ENGL 2333
Intro to Physics I	4	PHYS 2425	PHYS 1411
Intro to Physics II	3	PHYS 2426	PHYS 1422
Calculus II	4	MATH 2414	MATH 1430
Calculus III	4	MATH 2415	MATH 2440
<b>Component Area III (Life &amp; Physical Sciences) requirements**</b>			
<b>Mathematics BS Degrees require students to select 8 hours in the same field from the following:</b> <b>General Biology I (BIOL 1406) &amp; General Biology II (BIOL 1407) OR</b> <b>General Chemistry I (CHEM 1411) &amp; General Chemistry II (CHEM 1412) OR</b> <b>Eight hours from: GEOL 1403, GEOL 1404, GEOL 1405, &amp; GEOG 1401 (TCCN: GEOL 1447)</b>			
<b>Courses for required minor</b>			
<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>			

\*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).