Sam Houston State University
MEMBER **THE TEXAS STATE UNIVERSITY SYSTEM**

Bachelor of Science, Software Engineering

CORE REQUIREMENTS

Department of Computer Science		936.294.3846	computerscience@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)			
Choose <u>two</u> courses from your current Texas community college's core approved list.			
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]			
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-of-science-in-software-engineering/

Course Name	Hours	TCCNS	SHSU
Calculus II	4	MATH 2414	MATH 1430
Discrete Mathematics	3	MATH 2305	MATH 2395
Programming Fundamentals I	4	COSC 1436	COSC 1436
Programming Fundamentals II	4	COSC 1437	COSC 1437
Computer Organization & Machine Language	3	COSC 2425	COSC 2329

*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 for this degree program.

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