

Bachelor of Science, Software Engineering

Department of Computer Science

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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) ²	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 Requirement or Field of Study	Course Name	Hours	TCCNS	SHSU
Major	Calculus II	4	MATH 2414	MATH 1430
Major	Discrete Mathematics	3	MATH 2305	MATH 2395
Major	Programming Fundamentals I	4	COSC 1436	COSC 1436
Major	Programming Fundamentals II	4	COSC 1437	COSC 1437
Major	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.

2 - Eight semester credit hours of Life and Physical Science in the Degree Specific Requirements satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science). Students must select 12 semester credit hours from: BIOL 1406, BIOL 1407, CHEM 1411, CHEM 1412, PHYS 1411 (PHYS 2425), and PHYS 1422 (PHYS 2426).

Full degree can be found here: [Software Engineering, BS](#)