

Bachelor of Science, Electronics & Computer Engineering Technology

Department of Engineering Technology

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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)	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)	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	Engineering Graphics	3	ENGR 1304	ETDD 1361
Major	Programming Fundamentals I ¹	4	COSC 1436	COSC 1436
Major	Programming Fundamentals II	4	COSC 1437	COSC 1437
Major	Computer Organization & Machine Language	4	COSC 2425	COSC 2329
Major	Introduction to Circuits	4	ENGT 1401	ETEE 1340
Major	Circuits and Systems	4	ENGT 1409	ETEE 2320
Major	General Physics-Mechanics & Heat w/ lab	4	PHYS 1301 & 1101	PHYS 1301 & 1101
Major	General Physics-Sound, Light, Electricity, & Magnetism w/ lab	4	PHYS 1302 & 1102	PHYS 1302 & 1102

*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 program.

1 - ECET major students must take a specific class section of COSC 1436 to learn C (C++) programming. Students must consult with academic advisors to find a class section of COSC 1436 that offers C (C++) programming.

Full degree can be found here: [Electronics and Computer Engineering Technology, BS](#)