Sam Houston State University
MEMBER THE TEXAS STATE UNIVERSITY SYSTEM

Bachelor of Science, Electronics & Computer Engineering Technology

CORE REQUIREMENTS

Department of Engineering Technology		936.294.1223	engrtech@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)			
Calculus I	4	MATH 2413	MATH 1420
Life & Physical Sciences (6 hours)			
Choose two courses from your current Texas community college's core approved list.			
Language, Philosophy, & Culture (3 hours)			
Choose one course from your current Texas community college's core approved list.			
Creative Arts (3 hours)			
Choose one course from your current Texas community college's core approved list.			
American History (6 hours)			
United States History to 1876	3	HIST 1301	HIST 1301
United States History since 1876	3	HIST 1302	HIST 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 one course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)			
Choose two 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-electronics-and-computer-engineering-technology/index.html

Course Name	Hours	TCCNS	SHSU
Engineering Graphics	3	ENGR 1304	ETDD 1361
Programming Fundamentals I[1]	4	COSC 1436	COSC 1436
Programming Fundamentals II	4	COSC 1437	COSC 1437
Computer Organization & Machine Language	4	COSC 2425	COSC 2329
Introduction to Circuits	4	ENGT 1401	ETEE 1340
Circuits & Systems	4	ENGT 1402	ETEE 2320
General Phys-Mechanics & Heat w/ lab	4	PHYS 1301 & 1101	PHYS 1301 & 1101
General Phys-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.