

Bachelor of Science, Engineering Technology (Biomedical Concentration)

CORE REQUIREMENTS

Department of Engineering Technology

936.294.1223

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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 REQUIREMENTS

Full degree can be found here: <https://www.shsu.edu/programs/bachelor-of-science-in-engineering-technology/biomedical.html>

Course Name	Hours	TCCNS	SHSU
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
Engineering Graphics	3	ENGR 1304	ETDD 1361
Introduction to Circuits	4	ENGT 1401	ETEE 1340
General Biology	4	BIOL 1406	BIOL 1406
Intro to Organic & Biochemistry OR General Chemistry	4	CHEM 1407 CHEM 1411	CHEM 1407 CHEM 1411
Programming Fundamentals I	4	COSC 1436	COSC 1436
Circuits & Systems	4	ENGT 1402	ETEE 2320

*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, with the Concentration.

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

2 - BIOL 1406 and CHEM 1407 or CHEM 1411 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science).