

**Bachelor of Science, Engineering Technology
(Biomedical Engineering Technology Concentration)**

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) 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 courses from your current Texas community college's core approved list. <i>MATH 1420 and PHED 1164 will apply towards 2 hours of this requirement.</i>			
Major Requirement or Field of Study	Course Name	Hours	TCCNS	SHSU
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
Major	Engineering Graphics	3	ENGR 1304	ETDD 1361
Major	Introduction to Circuits	4	ENGT 1401	ETEE 1340
Major	General Biology	4	BIOL 1406	BIOL 1406
Major	Intro to Organic & Biochemistry OR General Chemistry	4	CHEM 1407 CHEM 1411	CHEM 1407 CHEM 1411
Major	Programming Fundamentals I	4	COSC 1436	COSC 1436
Major	Circuits and Systems	4	ENGT 1409	ETEE 2320
Major	Lifetime Health and Wellness	1	PHED 1164	KINE 2115
*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).				
Full degree can be found here: Engineering Technology-Biomedical Engineering Technology, BS				