

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

Department of Engineering Technology

936.294.1223

engrtech@shsu.edu

Course Name	Hours	TCCNS	SHSU
<b>Communication (6 hours)</b>			
Composition I	3	ENGL 1301	ENGL 1301
Composition II	3	ENGL 1302	ENGL 1302
<b>Mathematics (3 hours)</b>			
Elementary Functions	4	MATH 2412	MATH 1410
<b>Life &amp; Physical Sciences (6 hours)</b>			
Choose <u>two</u> courses from your current Texas community college's core approved list.			
<b>Language, Philosophy, &amp; Culture (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>Creative Arts (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>American History (6 hours)</b>			
United States History to 1876	3	HIST 1301	HIST 1301
United States History since 1876	3	HIST 1302	HIST 1302
<b>Government/Political Science (6 hours)</b>			
American Government	3	GOVT 2305	POLS 2305
Texas Government	3	GOVT 2306	POLS 2306
<b>Social &amp; Behavioral Science (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>Component Area Option Recommendations (6 hours)</b>			
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/>

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
Calculus I	4	MATH 2413	MATH 1420
General Biology	4	BIOL 1406	BIOL 1406
Intro to Organic & Biochemistry OR General Chemistry	4	CHEM 1407 OR CHEM 1411	CHEM 1407 OR 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.