

Bachelor of Science, Mechanical 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 <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 | 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 <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 REQUIREMENTS

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

| Course Name | Hours | TCCNS | SHSU |
|--|-------|------------------|------------------|
| Programming Fundamentals I | 4 | COSC 1436 | COSC 1436 |
| 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 |
| Manufacturing Processes | 3 | ENGT 2310 | ETEC 2382 |
| Introduction to Circuits | 4 | ENGT 1401 | ETEE 1340 |
| 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.