

# BACHELOR OF SCIENCE, MAJOR IN MECHANICAL ENGINEERING TECHNOLOGY

Code	Title	Hours
<b>Bachelor of Science, Major in Mechanical Engineering Technology</b>		
Core Curriculum ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/</a> )		
Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences)		3
Component Area IX (Component Area Option)		4
<b>Degree Specific Requirements</b>		
COSC 1436	Programming Fundamentals I	4
MATH 1420	Calculus I	4
PHYS 1411	Introduction To Physics I	4
PHYS 1422	Introduction To Physics II	4
<b>Major Core</b>		
ETEC 1010	Engineering Foundations	2
ETDD 1361	Engineering Graphics	3
ETEE 1340	Introduction to Circuits	3
<b>Major</b>		
ETDD 4388	3D Parametric Design	3
ETEC 2382	Manufacturing Processes	3
ETEC 3367	Engineering Materials Techn	3
ETEC 3375	Statics	3
ETEC 4099	Engineering Innovation	3
ETEC 4376	Strength of Materials	3
ETEC 4378	HVAC Systems	3
ETEE 2320	Circuits and Systems	3
ETEE 3360	Electrical Power & Machinery	3
ETEE 3373	Control Systems Technology	3
ETME 2305	Engineering Analysis Methods	3
ETME 3376	Engineering Dynamics	3
ETME 3378	Applied Fluid Mechanics	3
ETME 4376	Applied Thermodynamics	3
ETME 4385	Mechanical Design	3
ETSM 3386	Industrial Safety	3
<b>Electives</b>		
Select two of the following:		6
ETDD 1366	Machining Technology I	
ETDD 3310	Product Design & Development	
ETDD 4380	Material Hand & Plant Layout	
ETEC 3340	Solar and Wind Energy Systems	
ETEC 3376	Microcontroller Applications	
ETEC 4340	Alternative Energy Technology	
ETEC 4390	Directed Studies	

ETEC 4391	Work Base Mentorship	
ETEE 4351	Automation & Control Systems	
Total Hours		120