BACHELOR OF SCIENCE, MAJOR IN ENGINEERING TECHNOLOGY, MECHANICAL ENGINEERING 2+2

Code	Title	Hours
Bachelor of Science, Major in Engineering Technology, Mechanical Engineering 2+2		
Core Curriculum (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/)		
Component Area I (Communication)		6
Component Area II (Mathematics)		4
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture		3
Component Area V (Creative Arts)		6
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		3
Component Area VIII (Social and Behavioral Sciences		3
Component Area IX (Component Area Option		3
Degree Specific Requirements		
MATH 1420	Calculus I [2]	4
MATH 1430	Calculus II	4
CHEM 1411	General Chemistry I [1]	4
CHEM 1412	General Chemistry II [1]	4
PHYS 1411	Introduction To Physics I	4
PHYS 1422	Introduction To Physics II	4
Major Core		
COSC 1436	Programming Fundamentals I	4
ETEC 1010	Engineering Foundations	2
ETDD 1361	Engineering Graphics	3
MATH 2440	Calculus III	4
Major		
MATH 3376	Differential Equations	3
PHYS 3360	Statics And Dynamics	3
PHYS 3395	Electronics & Circuit Analysis	3
PHYS 3115	Electronic & Circuit Anlys Lab	1
Total Hours		77

1 Satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science) as well as the major.

2 MATH 1420 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and one semester credit hour for Component Area IX (Component Area IX) as well as the major.

Note: This catalog degree plan is intended for students who will be completing the degree at University of Texas at Tyler (UT-Tyler). Students who enter this program complete partial semester credit hours (77) at Sam Houston State University and transfer to UT-Tyler to complete the remaining needed semester credit hours and to be awarded a degree in Mechanical Engineering at UT-Tyler.