

# BACHELOR OF SCIENCE, MAJOR IN ENGINEERING TECHNOLOGY, ELECTRICAL ENGINEERING 2+2

Code	Title	Hours
<b>Bachelor of Science, Major in Engineering Technology, Electrical Engineering 2 +2</b>		
Core Curriculum ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum">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>		
CHEM 1411	General Chemistry I <sup>1</sup>	4
CHEM 1412	General Chemistry II <sup>1</sup>	4
MATH 1420	Calculus I <sup>2</sup>	4
MATH 1430	Calculus II	4
PHYS 1411	Introduction To Physics I	4
PHYS 1422	Introduction To Physics II	4
<b>Major Core</b>		
COSC 1436	Programming Fundamentals I	4
ETDD 1361	Engineering Graphics	3
ETEC 1010	Engineering Foundations	2
MATH 2440	Calculus III	4
<b>Major</b>		
MATH 3376	Differential Equations	3
PHYS 3115	Electronic & Circuit Anlys Lab	1
PHYS 3395	Electronics & Circuit Analysis	3
Total Hours		74

<sup>1</sup> Satisfies the Core Curriculum requirement for Component Area III (Life and Physical Sciences) as well as the major.

<sup>2</sup> MATH 1420 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and one semester credit hour of Component Area IX (Component Area Option) 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 (74) 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 Electrical Engineering at UT-Tyler.