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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Bachelor of Science, Major in Engineering Technology, Electrical Engineering 2+2</td>
<td>Core Curriculum (<a href="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>)</td>
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<tr>
<td>Component Area I (Communication)</td>
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<tr>
<td>Component Area II (Mathematics)</td>
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<tr>
<td>Component Area III (Life and Physical Science)</td>
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<tr>
<td>Component Area IV (Language, Philosophy, and Culture)</td>
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<tr>
<td>Component Area V (Creative Arts)</td>
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<td>Component Area VI (U.S. History)</td>
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<tr>
<td>Component Area VII (Political Science/Government)</td>
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<tr>
<td>Component Area VIII (Social and Behavioral Sciences)</td>
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<td>Component Area IX (Component Area Option)</td>
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**Degree Specific Requirements**

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>CHEM 1411</td>
<td>General Chemistry I ^1</td>
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<tr>
<td>CHEM 1412</td>
<td>General Chemistry II ^1</td>
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<tr>
<td>MATH 1420</td>
<td>Calculus I ^2</td>
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<tr>
<td>MATH 1430</td>
<td>Calculus II</td>
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<td>PHYS 1411</td>
<td>Introduction To Physics I</td>
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<tr>
<td>PHYS 1422</td>
<td>Introduction To Physics II</td>
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**Major Core**

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<tr>
<td>COSC 1436</td>
<td>Programming Fundamentals I</td>
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<tr>
<td>ETDD 1361</td>
<td>Engineering Graphics</td>
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<td>ETEC 1010</td>
<td>Engineering Foundations</td>
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<td>MATH 2440</td>
<td>Calculus III</td>
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**Major**

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<tr>
<td>MATH 3376</td>
<td>Differential Equations</td>
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<tr>
<td>PHYS 3115</td>
<td>Electronic &amp; Circuit Anlys Lab</td>
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<td>PHYS 3395</td>
<td>Electronics &amp; Circuit Analysis</td>
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**Total Hours** 74

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1. Satisfies the Core Curriculum requirement for Component Area III (Life and Physical Sciences) as well as the major.
2. 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.