

<b>ELECTRICAL ENGINEERING TRACK</b>	
<b>ENGINEERING - Electrical and Computer</b>	
<b>RECOMMENDED COURSE SELECTION</b>	
<b>Fall 1st Year</b>	<b>Spring 1st Year</b>
<input type="checkbox"/> ** MATH 2413 Calculus I (4) <input type="checkbox"/> PHYS 2425 Advanced Physics I (4) <input type="checkbox"/> COSC 1336 Fundamentals of Programming I (3) <input type="checkbox"/> ENGR 1201 Introduction to Engineering (2)	<input type="checkbox"/> MATH 2414 Calculus II (4) <input type="checkbox"/> PHYS 2426 Advanced Physics II (4) <input type="checkbox"/> COSC 1337 Fundamentals of Programming II (3) <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice
<b>Total Semester = 13</b>	<b>Total Semester = 17</b>
<b>Summer</b>	
<input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice	
<b>Total Semester = 6</b>	
<b>Fall 2nd Year</b>	<b>Spring 2nd Year</b>
<input type="checkbox"/> MATH 2415 Calculus III (4) <input type="checkbox"/> ENGR 2406 Intro to Digital Systems (4) <input type="checkbox"/> * MATH 2318 Linear Algebra (3) <input type="checkbox"/> CHEM 1411 General Chemistry I (4)	<input type="checkbox"/> MATH 2320 Differential Equations (3) <input type="checkbox"/> * ENGR 2305/2105 Electrical Circuits (4) <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice
<b>Total Semester = 15</b>	<b>Total Semester = 16</b>
<b>Total Required A.S. Engineering = 60</b> <b>Total Recommended Program for Transfer = 67</b>	
<b>NOTE: The grey highlighted courses are only offered in the semester indicated.</b>	
* Courses are not required for an A.S., but are either 1) required for a B.S. at a university, or 2) highly recommended to better prepare you for junior and senior year courses at the university.	
** The prerequisite for Calculus I is Precalculus (MATH 2412) or the high school equivalent. Students who do not meet this prerequisite should take Precalculus (MATH 2412) before their first fall semester to be ready to begin their degree program.	

<b>CORE CURRICULUM COURSES</b>
<b>3-hr Credit Choice</b>
<input type="checkbox"/> ENGL 1301 English Composition I (3) <input type="checkbox"/> GOVT 2305 Federal Government (3) <input type="checkbox"/> GOVT 2306 Texas Government (3) <input type="checkbox"/> ECON 2301 Principles of Macroeconomics (3)
<b>Choose 1 from the following:</b>
<input type="checkbox"/> ENGL 1302 English Composition II (3) <input type="checkbox"/> ENGL 2311 Technical & Business Writing (3) <b>Recommended</b>
<b>Choose 2 from the following:</b>
<input type="checkbox"/> HIST 1301 United States History I (3) <input type="checkbox"/> HIST 1302 United States History II (3) <input type="checkbox"/> HIST 2301 Texas History (3)
<b>The courses above are required for an A.S.</b>
<b>To Transfer Core Complete</b>
<input type="checkbox"/> SPCH 1321 Business & Professional Speaking (3) <input type="checkbox"/> PHIL 2306 Introduction to Ethics (3)
<b>Choose 1 from the following:</b>
<input type="checkbox"/> ARTS 1301 Art Appreciation (3) <input type="checkbox"/> ARTS 1303 Art History I (3) <input type="checkbox"/> ARTS 1304 Art History II (3) <input type="checkbox"/> DRAM 1310 Introduction to Theatre I (3) <input type="checkbox"/> DRAM 2361 Theatre History I (3) <input type="checkbox"/> MUSC 1306 Music Appreciation (3)
<b>The courses above are not required for an A.S. but are necessary to be core complete. A student that is core complete can transfer to any public college or university in Texas with all general education requirements complete.</b>