

B.S. Electrical Engineering Computer Engineering Track

SEMESTER CURRICULUM

<p>YEAR ONE – FALL SEMESTER</p> <p>EE 1014 Intro to Electrical Engin. (F,S) 4 MATH 2301 Calculus I (F,S) 4 CS 2400 Intro to Computer Science I (F,S) 4 Tier 2CP 2 Tier 2SS <u>2</u> total credit hours 16</p>	<p>YEAR ONE – SPRING SEMESTER</p> <p>EE 1024 Intro to Computer Engin. (F,S) 4 MATH 2302 Calculus II (F,S) 4 CS-2401 Intro to Computer Science II (F,S) 4 ET 1500 Career Orientation 0.5 Tier 1E First Year Composition <u>3</u> total credit hours 15.5</p>
<p>YEAR TWO – FALL SEMESTER</p> <p>EE 2213 Instrumentation Laboratory (F,S) 3 EE 2104 Electric Circuits I (F,S) 4 EE 2324 Analytical Foundations of EE (F,S) 4 CS 3000 Intro to Discrete Structures (F,S) 4 CHEM 1510 Fundam. of Chemistry I (F,S) <u>4</u> total credit hours 19</p>	<p>YEAR TWO – SPRING SEMESTER</p> <p>PHYS 2051 General Physics I (F,S) 5 EE 2114 Electric Circuits II (F,S) 4 CS 3610 Data Structures (F,S) 4 Science Elective (with Lab) <u>4</u> total credit hours 17</p>
<p>YEAR THREE – FALL SEMESTER</p> <p>EE 3613 Computer Organization (F,S) 3 CS 3560 Software Engineering Tools(F,S) 3 EE 3343 Electronics I (F,S) 3 EE 3713 Applied Prob & Stat. for EE (F,S) 3 Tier 1J Junior Composition <u>3</u> total credit hours 15</p>	<p>YEAR THREE – SPRING SEMESTER</p> <p>EE 3954 Microcontrollers (F,S) 4 EE 3753 Computer Networks (S) 3 EE 3513 Digital Signal Processing (F,S) 3 EE 3214 Emag and Materials I (F,S) 4 Tier 2FA <u>2</u> total credit hours 16</p>
<p>YEAR FOUR – FALL SEMESTER</p> <p>EE 4953 EE&CpE CapStone Design I (F) 3 EE 4673 Embedded Systems (F) 3 Tier 2HL 2 Senior Elective #1 3 Tech Elective #1 <u>3</u> total credit hours 14</p>	<p>YEAR FOUR – SPRING SEMESTER</p> <p>EE 4963 EE&CpE CapStone Design II(S) 3 EE 4683 Computer Architecture (S) 3 CS 4420 Operating Systems (F,S) 3 Senior Elective #2 3 Tech Elective #2 <u>2.5</u> total credit hours 14.5</p>