

## B.S. Electrical Engineering Computer Engineering Track (CpE)

### PROPOSED SEMESTER CURRICULUM

<p><b>YEAR ONE – FALL SEMESTER*</b></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  Intercultural Explorations (FIE) (prior-2CP) 3  ET 1000/HIST 2905 Hist. of E&amp;T in Society (ACNW) <u>3</u>  total credit hours 17</p> <p>*If not done so yet, please take the Chemistry Placement Test.</p>	<p><b>YEAR ONE – SPRING SEMESTER</b></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  ENG 1510 Writing &amp; Rhetoric I (FWC) <u>3</u>  total credit hours 15.5</p>
<p><b>YEAR TWO – FALL SEMESTER</b></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  NATURAL SCIENCE (PNS)(CHEM 1510) <u>4</u>  total credit hours 19</p>	<p><b>YEAR TWO – SPRING SEMESTER</b></p> <p>PHYS 2051/PHYS 2054+2055 General Physics I (F,S) (PNS) 4  EE 2114 Electric Circuits II (F,S) 4  CS 3610 Data Structures (F,S) 4  EE 3954 Microcontrollers (F,S) <u>4</u>  total credit hours 16</p>
<p><b>YEAR THREE – FALL SEMESTER</b></p> <p>EE 3613 Computer Organization (F,S) 3  CS 3560 Software Engin. Tools (F,S) 3  EE 3343 Electronics I (F,S) 3  EE 3713 Applied Prob &amp; Stat. for EE (F,S) 3  CS 2653 Professional/Ethical Computing <u>3</u>  total credit hours 15</p>	<p><b>YEAR THREE – SPRING SEMESTER</b></p> <p>PHYS 2053/CHEM 1520 Contemp. Physics (ANW) <u>3</u>  EE 3753 Computer Networks (S) 3  EE 3513 Digital Signal Processing (F,S) 3  EE 3214 Emag and Materials I (F,S) 4  Advanced Writing (FAW) (ET 3800J) <u>3</u>  total credit hours 16</p>
<p><b>YEAR FOUR – FALL SEMESTER</b></p> <p>EE 4953 EE&amp;CpE CapStone Design I (F) 3  EE 4673 Embedded Systems (F) 3  Humanities (PHTC) (prior-2HL)(3cr) 3  Senior Elective #1 3  Tech Elective #1 <u>2</u>  total credit hours 14</p>	<p><b>YEAR FOUR – SPRING SEMESTER</b></p> <p>EE 4963 EE&amp;CpE CapStone Design II(S) 3  EE 4683 Computer Architecture (S) 3  CS 4420 Operating Systems (F,S) 3  Social/Behav Sciences (PSBS)(prior-2SS)(3cr) 3  Humanities: Arts (PHA) – (prior-2FA) <u>3</u>  total credit hours 15</p>