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

## PROPOSED SEMESTER CURRICULUM

YEAR ONE – FALL SEMESTER*	YEAR ONE – SPRING SEMESTER
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&T in Society (ACNW) 3 total credit hours 17 *If not done so yet, please take the Chemistry Placement Test.	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 & Rhetoric I (FWC) 3 total credit hours 15.5
YEAR TWO – FALL SEMESTER	YEAR TWO – SPRING SEMESTER
EE 2213 Instrumentation Laboratory (F,S) 3 EE 2104 Electric Circuits I (F,S) 4 EE 2324 Analytical Foundations of EE (F,S) 4	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
CS 3000 Intro to Discrete Structures (F,S) 4	EE 3954 Microcontrollers (F,S) 4
NATURAL SCIENCE (PNS)(CHEM 1510) 4 total credit hours 19	total credit hours 16
YEAR THREE – FALL SEMESTER	YEAR THREE – SPRING SEMESTER
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 & Stat. for EE (F,S) 3 CS 2653 Professional/Ethical Computing 3 total credit hours 15  YEAR FOUR – FALL SEMESTER	PHYS 2053/CHEM 1520 Contemp. Physics (ANW) 3 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) 3 total credit hours 16  YEAR FOUR – SPRING SEMESTER
TEAR FOUR - FALL SENIESTER	TEAR FOUR - SPRING SEIVESTER
EE 4953 EE&CpE CapStone Design I (F) 3 EE 4673 Embedded Systems (F) 3 CS 4420 Operating Systems (F) 3 Senior Elective #1 3 Tech Elective #1 2 total credit hours 14	EE 4963 EE&CpE CapStone Design II(S) 3 EE 4683 Computer Architecture (S) 3 Humanities (PHTC) (prior-2HL)(3cr) 3 Social/Behav Sciences (PSBS)(prior-2SS)(3cr) 3 Humanities: Arts (PHA) – (prior-2FA) 3 total credit hours 15