

B.S. Computer Science**PROPOSED SEMESTER CURRICULUM**

YEAR ONE – FALL SEMESTER CS 2400 Intro to Computer Science I (F,S) 4 EE 1024 Intro to Computer Engineering(F,S) 4 MATH 2301 Calculus I (F,S) 4 Free Elective (UC 1900) 1 ET 1000/HIST 2905 Hist. of E&T in Society (ACNW) <u>3</u> total credit hours 16	YEAR ONE – SPRING SEMESTER CS 2401 Intro to Computer Science II (F,S) 4 MATH 2302 Calculus II (F,S) 4 Humanities (PHTC)(prior-2HL) 3 ENG 1510 Writing & Rhetoric I (FWC) 3 Intercultural Explorations (FIE)(prior-2CP) 2 ET 1500 Career Orientation <u>0.5</u> total credit hours 16.5
YEAR TWO – FALL SEMESTER CS 3000 Intro to Discrete Structures (F,S) 4 EE 3713 Applied Prob. & Stat. for EE(F,S) 3 CS 2653 Prof & Ethical Computing (F,S) 3 PHYS 2051/2054/2055 (LAB SCIENCE- I)(PNS) 4 Free Elective-II <u>2</u> total credit hours 16	YEAR TWO – SPRING SEMESTER CS 3560 Soft Engineering Tools (F,S) 3 CS 3610 Data Structures (F,S) 4 MATH 3200/3210 Linear Algebra (F,S) 3 PHYS 2052 (LAB SCIENCE-II)(ANW) 4 Free Elective-III <u>2</u> total credit hours 16
YEAR THREE – FALL SEMESTER CS 3200 Organ.of Program.Languages (S) 3 CS 4040 Design&Analysis of Algorithms(F) 3 EE 3613 Computer Organization (F,S) 3 Add. Lab Sc. (CHEM 1510/BIOS1700+1705/PBIO1140) 4 Social/Behav Sciences (PSBS)(prior-2SS) <u>3</u> total credit hours 16	YEAR THREE – SPRING SEMESTER CS 4100 Formal Lang. & Compilers (S) 3 EE 3954 Microcontrollers (F,S) 4 CS 4000 Distributed/Parallel/Webcentric(S) 3 Additional MATH/SCIENCE Elective 3 Advanced Writing (FAW)(ET3800J) <u>3</u> total credit hours 16
YEAR FOUR – FALL SEMESTER CS 4560 Soft. Design&Devel. I (F-only) 3 CS 4420 Operating Systems (F,S) 3 CS Tech Elective #1 3 CS Tech Elective #2 <u>3</u> total credit hours 12	YEAR FOUR – SPRING SEMESTER CS 4561 Soft. Design & Devel. II (S-only) 3 Humanities: Arts (PHA) - (prior-2FA) 3 Free Elective-IV 3 CS Tech Elective #3 <u>3</u> total credit hours 12