

COMPUTER SCIENCE

SEMESTER CURRICULUM

April 2019 - 120 CREDIT HOURS – SAMPLE PROGRAM

YEAR ONE – FALL SEMESTER	YEAR ONE – SPRING 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 Tier 2CP 2 Free Elective I <u>2</u> <div style="text-align: right;">16</div>	CS 2401 Intro to Computer Science II (F,S) 4 MATH 2302 Calculus II (F,S) 4 CS 2650 Prof & Ethical Computing (F,S) 2 Tier 1E First Year Composition 3 Free Elective II 2 ET 1500 Career Orientation <u>0.5</u> <div style="text-align: right;">15.5</div>
YEAR TWO – FALL SEMESTER	YEAR TWO – SPRING SEMESTER
CS 3000 Intro to Discrete Structures (F,S) 4 CS 3560 Soft Engineering Tools (F,S) 3 Tier 2HL 2 LAB SCIENCE SEQUENCE - I 4 Free Elective III <u>2</u> <div style="text-align: right;">15</div>	CS 3200 Organ.of Program.Languages (S) 3 CS 3610 Data Structures (F,S) 4 MATH 3200/3210 Linear Algebra (F,S) 3 LAB SCIENCE SEQUENCE -II <u>4</u> <div style="text-align: right;">14</div>
YEAR THREE – FALL SEMESTER	YEAR THREE – SPRING SEMESTER
CS 4040 Design&Analysis of Algorithms(F) 3 EE 3613 Computer Organization (F,S) 3 EE 3713 Applied Prob. & Stat. for EE(F,S) 3 Additional LAB SCIENCE 4 Tier 2SS <u>2</u> <div style="text-align: right;">15</div>	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 Tier 1J Junior Composition <u>3</u> <div style="text-align: right;">16</div>
YEAR FOUR – FALL SEMESTER	YEAR FOUR – SPRING SEMESTER
CS 4420 Operating Systems (F,S) 3 CS 4560 Soft. Design & Development I (F) 3 CS Tech Elective #1 3 CS Tech Elective #2 3 Free Elective IV <u>2.5</u> <div style="text-align: right;">14.5</div>	CS 4561 Soft. Design & Development II (S) 3 Tier 2FA 2 Free Elective V 3 Free Elective VI 3 CS Tech Elective #3 <u>3</u> <div style="text-align: right;">14</div>