## **Flowchart USF BS in Computer Science (B.S.C.S.)** 2023-24 Catalog, 120 hours Lower Division Status Upper Division Status Year 1 Year 2 Year 3 Year 4 Summer Fall 13 hrs Spring 14 hrs Fall 13 hrs Spring 14 hrs 9 hrs Fall 15 hrs Spring 15 hrs Fall 15 hrs Spring 12 hrs EGN 3443 PHY 2048L PHY 2049L Probability & EGN 4450 Apply for General General Stats for Eng Linear Systems Graduation Physics II Lab (Info & Data Lit) 2 hrs F. S. Su Physics I Lab 3 hrs F, S, Su 1 hrs F, S, Su 1 Hour PHY 2048 PHY 2049 Natural Science CDA 3201L **CSE Elective** CSE Elective CSE Elective CSF Flective General General Computer Logic 3 hrs F, S, Su Elective Physics I Physics II Design Lab 3 hrs F, S, Su 3 hrs F, S, Su 3 Hours 1 hr F, S, Su **CSE Software** MAC 2281 MAC 2282 **CSE Theory** CDA 3201 CDA 4205 Elective or MAC 2311 or MAC 2312 Elective Computer Logic Computer Calculus II 3 hrs F, S, Su 3 hrs F, S, Su Calculus I Design Architecture 4 hrs F, S, Su 4 hrs F, S, Su 3 hrs F, S, Su 3 hrs F, S, Su CDA 3103 Computer Organization CEN 4020 COP 2510 CDA 4205L CNT 4419 3 hrs F, S, Su Software Programming EGN 3000L Computer COP 4530 Secure Codina Concepts Engineering Architecture 3 hrs F, S Foundations of Data Structures 3 hrs F, S, Su 3 hrs F, S 1 hr F, S, Su Eng Lab 3 hrs F, S, Su (Creative COP 3514 Thinking) Program 3 hrs F, S COT 4400 Design 3 hrs F, S, Su Analysis of **COP 4600** CIS 4250 Algorithms Operating Ethical Issues & EGN 3000 3 hrs F, S, Su Systems Prof Conduct Foundations of CSE Software 3 hrs F, S 3 hrs F, S COT 3100 Engineering Elective Discrete Required F. S 3 hrs F, S, Su Structures 3 hrs F, S, Su CL ENC 3246 Natural Science General Communication **ENC 1101** ENC 1102 Elective Elective for Engineers 4 hrs F, S, Su 3 hrs F, S, Su Composition I Composition II 3 hrs F, S, Su 3 hrs F, S, Su 3 hrs F, S, Su Human & (CL CL CL St. GenEd Core St. GenEd Core Cultural Apply for General General General Diversity Humanities Social Science Upper Division! Elective Elective Elective Elective Elective Elective 3 hrs F, S, Su 3 hrs F, S, Su 3 hrs F, S, Su End of Term 3 hrs F, S, Su 3 hrs F, S, Su 3 hrs F, S, Su (ULDP) General Education Notes Course and Major Notes Term & Sequence Progression to the Upper Division F = Fall S = SpringCourse meets Enhanced General Max 2 attempts to earn MIN GRADES: Unless otherwise stated, Min grade B (not B-) in COP 2510 and a E Su = Summer (tentative) Education Requirement. required course grade (W, min grade in specialization courses is a Cminimum grade average (see Dept website) in G IF, U, R count as attempts). and the min. grade in math, science, and the bold-bordered courses to be eligible for E Pre-requisite Students must meet the Civic engineering courses is C. Progression to Upper Division. Literacy requirement with credit for High priority course N Pre/Co-requisite AMH 2020/POS 2041 and by that require a min D MIN GPA: 2.0 Semester, Engineering, ç Co-requisite Restricted classes. Must have ULDP. passing the Civics Literacy test. B grade (not B-) Specialization, USF, and Overall