

Computer Science, B.S.
College of Computing and Software Engineering
8 Semester Plan

Year 1 - Fall (15 credits)	Credits	Year 1 - Spring (17 credits)	Credits
ENGL 1101- Composition I [A1]	3	ENGL 1102- Composition II [A1]	3
MATH 1113- Precalculus or Higher [A2]	3	MATH 1190- Calculus I or Higher[D1]	4
POLS 1101- American Government [E1]	3	MATH 2345- Discrete Mathematics	3
ECON 1000- Contemporary Economic Issues [B1]	2	General Education- U.S. History [E2]	3
CSE 1321- Programming & Problem Solving I Δ	3	CSE 1322- Programming & Problem Solving II Δ	3
CSE 1321L- Programming & Problem Solving I Lab Δ	1	CSE 1322L- Programming & Problem Solving II Lab Δ	1
TOTAL	15	TOTAL	17
Year 2 - Fall (14 credits)		Year 2 - Spring (16 credits)	
General Education – Science Process (STEM) [D2]	4	General Education – Science Process (STEM) [D2]	4
General Education- World History [E3]	3	TCOM 2010- Technical Writing	3
MATH 2202- Calculus II	4	CS 3410- Introduction to Database Systems	3
CS 3305- Data Structures	3	CS 3503- Computer Organization & Architecture	3
		CS 3622- Fundamentals of Data Communication	3
TOTAL	14	TOTAL	16
Year 3 - Fall (15 credits)		Year 3 - Spring (14 credits)	
General Education- Literature of the World [C1]	3	General Education- Social Sciences [E4]	3
MATH 2332- Probability & Data Analysis	3	MATH 3260- Linear Algebra I	3
CS 3502- Operating Systems	3	CS 4308- Concepts of Programming Languages	3
SWE 3313- Introduction to Software Engineering	3	CSE 3801- Professional Practices & Ethics	2
Concentration Course (1 of 5)	3	Concentration Course (2 of 5)	3
TOTAL:	15	TOTAL:	14
Year 4 - Fall (15 credits)		Year 4 - Spring (14 credits)	
General Education- Cultural Perspectives [B2]	3	General Education- Arts & Culture of the World [C2]	3
CS 4306- Algorithm Analysis	3	CS 4850- Compute Science Senior Project	3
CS 4504- Parallel & Distributed Computing	3	Concentration Course (4 of 5)	3
Concentration Course (3 of 5)	3	Concentration Course (5 of 5)	3
Free Elective (1 of 2)	3	Free Elective (2 of 2)	2
TOTAL:	15	TOTAL:	14

Program Total: 120 Credit Hours

Δ Must be completed with grade of B or Better ***Recommended General Education Course** **†Milestone**

This academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Missing milestones could delay your program. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. This map is not a substitute for academic advisement. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.