Bachelor of Science in Software Engineering

This is a GATED PROGRAM
Catalog Year: 2019-2020

Updated 5/7/2019
Total Degree Credit Hours: 125

A-1	ENGL 1101	Composition I	3	
A-1	ENGL 1102	Composition II	3	
A-2	MATH 1190	Calculus I	4	

B-1	ECON 1000	Contemporary Economic Issues	2	
B-2	COM 1100	Human Communication	3	

Area A: Essential Skills (10 credit hours)
All Area A courses must be completed within the first 30 credit hours with a grade of C or higher.

Prerequisites

CSE 1321/L and CSE 1322/L must have a minimum grade of 'B.'

Upon completing CSE 1322/L with a minimum grade of 'B,' students should request to have their major changed to the fully admitted Software Engineering major.

CSE 1300 is highly recommended for students who are new to programming and have available free elective credits to complete.

Course	Prerequisites		
Math/Science Electives Make an appointment with a CCSE Academic Advisor to discuss the course options for this requirement	Varies	3	
		3	
Science Elective*** ***IF PHYS 2211/L WAS NOT COMPLETED IN AREA D, IT MUST BE COMPLETED HERE. IF PHYS 2211/L WAS COMPLETED IN AREA D, STUDENTS MAY TAKE EITHER BIOL 1107/L OR CHEM 1211/L TO MEET THIS REQUIREMENT.***	Varies	4	
CSE 3153 Database Systems	CSE 1322/L	3	
CSE 3801 Professional Practices and Ethics	CSE 1322/L	2	
CS 3305/L Data Structures	CSE 1322/L & (MATH 2345/CSE 2300)	4	
CS 3503/L Computer Organization & Architecture	CSE 1322/L	4	
CS 3502 Operating Systems	CS 3503/L & CS 3305/L	3	
SWE 3313 Intro to Software Engineering	CSE 1322/L	3	
SWE 3623 Software Systems Requirements	SWE 3313 & (MATH 2345/CSE 2300)	3	
SWE 3633 Software Architecture and Design	SWE 3313		

All major courses must have a minimum grade of 'C,' except for CSE 1321/L and CSE 1322/L, which must have a minimum grade of 'B.'

(MATH 2345/CSE 2300) denotes either course will complete the 2d part of the prerequisite requirement.