

Software Engineering

Fall 2017

	Fall		Spring		
Freshman	CSC 110/106 Computer Science I	4	ENGR 120 Programming for Engineers	3	
	ENGR 100 Engineering Seminar I	1	MAT 225 Discrete Mathematics	4	
	MAT 211 Calculus 1	4	HCS 100 Intro to Human Communications	3	
	ENG110 WIFYS	3	HIS 106 Thinking Historically in a Global Age	3	
	HIS 105 Historical Foundations of Global Cultures	3	Gen Ed	3	
		15		16	31
Sophomore	SWE 200 Design Patterns	4	CSC 371 Database Management	4	
	ENGR 200 Engineering Seminar II	1	SWE 300 Crafting Quality Code	4	
	CMPE 220 Computer Organization	4	MAT 375 Prob & Stat for Engineers	4	
	Gen Ed	3	Gen Ed	3	
	Gen Ed	3			
		15		15	61
Upper Division Even	SWE 400 Large Scale Architectures	4	CSC 431 Computer Networks	4	
	MAT 318 Elementary Linear Algebra	3	Team Project Course*	4	
	ENGR 300 Engineering Seminar 3***	1	CMPE 320 Operating Systems	4	
	Gen Ed	3	Gen Ed	3	
	Gen Ed	3			
		14		15	90
Upper Division Odd	ENGR 310 Statistical Process Control	3	Team Project Course*	4	
	CSC/CMPE/SWE Elective	4	CSC 310 Design & Analysis of Algorithms	4	
	Two Semester Science Sequence I	4	Two Semester Science Sequence II	4	
	Gen Ed	3	Gen Ed	3	
	**free elective	1			
		15		15	120

* Team Project Course: SWE 415 in your Junior Year and SWE 420 in your Senior Year

** While it is possible to complete all of the credits in this term, it would be wise to consider using a summer internship as the elective or moving one of the Gen Eds or free elective to a summer or winter

*** This will be most useful in your Junior Year

Upper Division Even: Academic years that have an even fall: 2018-2019, 2020-2021, 2022-2023

Upper Division Odd: Academic years that have an odd fall: 2017-2018, 2019-2020, 2021-2022