Computer Engineering

Fall 2020 / UCC 19-XXX

Must start at Math Placement Level 6*

Freshman Year					
Fall Semester		Spring Semester			Total Cr.
ENGR100 - Seminar 1	1	ENGR120 - Programming for Engineers	3		
ENGR110 - Modeling & Simulation	3	MAT212 - Calculus 2	4		
MAT211 - Calculus 1	4	PHY206 / 126 - Physics 2 & Lab	4		
PHY205 / 124 - Physics 1 & Lab	4	ENG114 - WIFYS	3		
UNIV101 - First Year Seminar	3				
	15		**14**	29	

Sophomore Year					
CMPE220 - Computer Organization	4	CMPE320 - Operating Systems	4		
CMPE210 - Network Engineering	3	ELEC220 - Linear Circuit Analysis	4		
MAT225 - Discrete Math	4	ENGR200 - Seminar 2	1		
HCS100 - Human Communications	3	General Education #1	3		
		HCS100 - Human Communication	3		
	14		**15**	58	

Junior Year					
CMPE330 - Computer Security	3	SWE300 - Crafting Quality Code	4		
SWE101 - Introduction to Java	1	Track #1b or Elective #2	4		
Track #1a or Elective #1	3	MAT375 - Probability & Statistics	4		
MECH100	3	ENGR300 - Seminar 3	1		
General Education #2	3	General Education #3	3		
Math Elective	3				
	16		**16**	90	

Senior Year					
ENGR310 - Statistical Process Control	3	CMPE499 - Capstone	2		
Track #1a or Elective #1	3	Track #1b or Elective #2	3		
Track #2a	3	Track #2b	4		
General Education #4	3	MAT322 - Differential Equations	3		
General Education #5	3	General Education #6	3		
	15		**15**	120	

* Students who do not meet math placement level will start in the "Future Engineers" program until they demonstrate that they are ready to begin a math intensive degree program. Students are advised that the computer engineering program will require four years / eight semesters from the time they start taking Calculus 1.