Computer Engineering

Fall 2023 - UCC23-990

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	
General Education #1	3	ELEC220 - Linear Circuit Analysis	4	
MAT225 - Discrete Math	4	ENGR200 - Seminar 2	1	
HIS105 - Historical Foundation	3	HCS100 - Human Communication	3	
		CMPE240 - Digital Logic Design	4	
	14		**16**	30

Junior Year				
CMPE322 - Microcontrollers	3	CMPE330 - Adv. Comp. Architectures	3	
SWE101 - Introduction to Java	1	MAT375 - Probability & Statistics	4	
MECH100 - Engineering Graphics	3	General Education #2	3	
SWE300 - Crafting Quality Code	4	ENGR300 - Seminar 3	1	
Math Elective	3	General Education #3	3	
	14		**15**	29

Senior Year				
ENGR310 - Statistical Process Control	3	CMPE499 - Capstone	2	
CMPE412 - Networks and Computer Security	4	CMPE420 - Digital and Re-configurable	4	
ELEC300 - Foundations of Electronics	4	ENGR Elective	3	
General Education #4	3	MAT322 - Differential Equations	3	
General Education #5	3	General Education #6	3	
	17		**15**	32

* 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.