

Electrical Engineering

Fall 26 - UCC26-1659

Must start at Math Placement Level 6*

Freshman Year				
Fall		Spring		Total Cr.
ENGR100 - Engineering Seminar I	1	ENGR120 - Programming for Engineers	3	
ENGR110 - Modeling & Simulation	3	MATH212 - Calculus II	4	
MATH211 - Calculus I	4	PHYS206 / 126 - Physics II	4	
PHYS205 / 124 - Physics I	4	ENGL114 - WIFYS	3	
UNIV101 - First Year Seminar	3	General Education #1	3	
	15		17	32

Sophomore Year				
Fall Semester		Spring Semester		Total Cr.
CMPE220 - Computer Organization	4	ENGR200 - Engineering Seminar II	1	
MATH225 - Discrete Math	4	MATH375 - Probability & Statistics	4	
ELEN220 - Linear Circuit Analysis	4	ELEN310 - Signals & Systems	4	
MATH322 - Differential Equations	3	General Education #2	3	
		General Education #3	3	
	15		15	62

Junior Year				
Fall Semester		Spring Semester		Total Cr.
CMPE322 - Microcontrollers & Interfaces	4	ENGR300 - Engineering Seminar III	1	
ELEN300 - Foundations of Electronics	4	ELEN360 - Communications	4	
ENGR310 - Statistical Process Control	3	PHYS311 - Quantum Physics	4	
General Education #4	3	MATH213 - Calculus III	4	
Engineering Elective	2	General Education #5	3	
	16		16	94

Senior Year				
Fall Semester		Spring Semester		Total Cr.
ELEN323 - Electronic Design and Processes	4	CMPE240 - Digital Logic Design	4	
PHYS321 - Electricity & Magnetism	4	CMPE499 - Senior Capstone	2	
General Education #6	3	General Education #8	3	
General Education #7	3	General Education #9	3	
	14		12	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 Electrical Engineering program will require four years / eight semesters from the time they start taking Calculus I.