

Electrical Engineering (EE) Curriculum (Starting from Fall 2020)

Electrical Engineering (EE)				Pre- and Co-Requisite Course	
	Semester/Courses	Crs		Pre-Requisite	Co-Requisite
	Semester 1	Crs	15		
MATH156	Calculus I	4		Pre-Calc	
EGPP101	Intro. to Engineering	2			
CSCI135	Computer Science I	4			
CHEM003	General Chemistry I Lecture	4			CHEM005
CHEM005	General Chemistry I Lab	1			
	Semester 2	Crs	15		
MATH157	Calculus II	4		MATH156	
EECE202	Intro. to EE and CpE	1		EGPP101	
EECE260	Engineering Programming and Appl	3			
PHYS013	Physics I (Sci. and Engr.)	3		MATH156	PHYS023
PHYS023	Physics I Lab (Sci. and Engr.)	1			
ENGW104	(102) Writing Lit & Disc	3			
	Semester 3	Crs	17		
MATH158	Calculus III	4		MATH157	
PHYS014	Physics II (Sci. and Engr.)	3		PHYS013, MATH157	PHYS024
PHYS024	Physics II Lab (Sci. and Engr.)	1			
EECE212	Fundamentals of Dig. Systems	4			EECE218
EECE218	Fundamentals of Dig. Systems Lab	1			
MATH159	Differential Equations	4		MATH157	
	Semester 4	Crs	15		
EECE160	Engineering Mathematics	4		MATH158	
EECE203	Fundamentals of Circuit Theory	4		PHYS014	EECE209
EECE209	Fundamentals of Circuit Theory Lab	1			
ENGW105	(103) Reflective Writing Portfolio	3		ENGW104	
	Social Science Elective	3			
	Semester 5	Crs	16		
EECE305	Fundamentals of Electromagnetics	4		MATH158	EECE306
EECE306	Fundamentals of Electromagnetics Lab	1			
EECE309	Fund of Electronics and SS Devices	4		EECE203	EECE312
EECE312	Fund of Electronics and SS Devices Lab	1			
EECE331	Probability and Statistics for Eng. Appl	3		MATH157	
	Humanities Elective	3			
	Semester 6	Crs	15		
EECE333	Fundamentals of Signals and Systems	4		MATH159	
EECE325	Fundamentals of Energy Systems	4		EECE203	EECE326
EECE326	Fundamentals of Energy Systems Lab	1			
	African American Studies Elective	3			
	Math/Science Elective	3			
	Semester 7	Crs	12		
	EE Elective	3			
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EECE401	Senior Design I	3		Senior Standing	
	Semester 8	Crs	15		
	EE Elective	3			
	EE/CpE Elective	3			
	EE/CpE Elective	3			
EECE404	Senior Design II	3		EECE401	
ECON001	Principles of Economics	3			
	Total Credits Hours		120		