

ELECTRICAL Emphasis 4-year Sequence

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FALL SEMESTER			SPRING SEMESTER		
FRESHMAN YEAR					
ENGR 10033	Intro. to Engineering	3	ENGR 10032	Static Mechanics	2
MATH 10524	Calculus I	4	ENGR 10402	Circuit Analysis & Design I	2
ENGL 10803	Composition I	3	ENGR 10573	Applied Programming Matlab	3
TCUCC	Approved CORE Elective	3	MATH 20524	Calculus II	4
TCUCC	Approved CORE Elective	3	CHEM 10013	Chemistry for Engineering	3
16			14		
SOPHOMORE YEAR					
ENGR 20603	Solid Mechanics I	3	ENGR 20613	Dynamics and Vibrations I	3
ENGR 20404	Circuit Analysis & Design II	4	ENGR 20413	Circuit Analysis & Design III	3
MATH 30613	Intro. Differential Equations	3	MATH 30524	Calculus III	4
PHYS 20474	Physics I Mechanics w/ lab	4	PHYS 20484	Physics II EM & Optics w/ lab	4
ENGL 20803	Composition II	3	TCUCC	Approved CORE Elective	3
17			17		
JUNIOR YEAR					
ENGR 30704	Thermal Sciences I w/ lab	4	ENGR 30014	Materials Science w/ lab	4
ENGR 30444	Electronics I w/ lab	4	ENGR 30454	Electronics II w/ lab	4
ENGR 30623	Control Systems I	3	ENGR 30543	Engr. Electromagnetism	3
ENGR 30503	Signal and Systems	3	ENGR 30903	Issues in Engineering Design	3
MATH 30853	Statistics	3	TCUCC	Approved CORE Elective	3
17			17		
SENIOR YEAR					
ENGR 40484	Electromechanics w/ lab	4	ENGR 40913	Systems Design II	3
ENGR 40903	Systems Design I	3	ENGR XXXXX	Approved Engr. Elective	4
ENGR XXXXX	Approved Engr. Elective	4	TCUCC	Approved CORE Elective	3
ENGR 40203	Engineering Econ	3	TCUCC	Approved CORE Elective	3
TCUCC	Approved CORE Elective	3	TCUCC	Approved CORE Elective	3
17			16		