

The University of Texas of the Permian Basin (2019-2020)

Electrical Engineering Degree Plan (Semester by Semester)

		DEGREE PLAN: BS in Electrical Engineering				
Freshman Year						
Fall		Hours		Spring		Hours
ENGL 1301	Composition I	3		ENGL 1302	Composition II	3
HIST 1301	History of the U.S. to 1877	3		HIST 1302	History of the U.S. Since 1877	3
MATH 2413	Calculus I	4		EENG 1303	Object-Oriented Programming	3
CHEM 1311	General Chemistry I	3		MATH 2414	Calculus II	4
CHEM 1111	Gen Chemistry I Laboratory	1		PHYS 2325	University Physics I	3
EENG 1210	Electrical Engineering Graphics	2		PHYS 2125	University Physics I lab	1
		16				17
						33
Sophomore Year						
Fall		Hours		Spring		Hours
				EENG 3373	Engineering Probability and Statistics	3
MATH 2415	Calculus III	4		MATH 3320	Differential Equations	3
PHYS 2326	University Physics II	3		ENGR 2305	Fundamentals of Circuit Analysis	3
PHYS 2126	University Physics II Lab	1		EENG 2105	Fundamental of Circuit Lab	1
MATH 3310	Linear Algebra	3		EENG 2401	Digital Circuits Design	4
ENGR 2403	Engr. Mech.: Statics & Dyn.	4		PLSC 2305	American National Politics	3
		15				17
						32
Junior Year						
Fall				Spring		
EENG 3303	Electromagnetic Fields	3		EENG 3309	Electronic Circuits Analysis II	3
EENG 3380	Signals and Systems	3		EENG 3314	Design Meth in Elec Engineering	3
EENG 3304	Electric Circuits II	3		EENG 3307	Microprocessors	3
COMM 1315	Intro to Public Speaking	3		EENG 4330	Electric Machines	3
EENG 3306	Electronic Circuits Analysis I	3		ENGR 4195	Professional Practice	1
EENG 3106	Electronic Circuits Analysis I Lab	1		ENGL 23xx	Lang/Phil/Cultural Course	3
		16				16
						32
Senior Year						
Fall				Spring		
EENG 4325	Communication Theory	3		EENG 4340	Control Systems	3
Visual/Performing Arts		3		EENG 4460	Senior Design	4
EENG 4310	Electric Power Systems	3		PLSC 2306	State and Local Politics	3
EENG 4110	Electric Power Systems Lab	1		ENG43xx	Technical Elective	3
EENG43xx	Technical Elective	3				
Social and Behavioral Science Course		3				
		16				13
					Total hours	126