

COLLEGE OF TECHNOLOGY

Bachelor of Science, Electrical Power Engineering Technology

Four-Year Academic Map 2017-2018

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	ELET 1400	Circuit Theory I & Lab	4	ELET 1401	Circuit Theory II & Lab	4		
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4		
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3		
	PHYS 1302/1102	Intro to General Physics II & Lab	4	PHYS 1301/1101	Intro to General Physics & Lab	4		
	Semester Hours			15	Semester Hours			15

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	ELET 2301/2101	Poly-Phase Cir& Transformers/Lab	4	ELET 2305/2105	Semiconductor Dev & Circuits /Lab	4		
	ELET 3307/3107	Electrical Machines & Lab	4	ELET 2303/2103	Digital Systems & Lab	4		
	MATH 3321	Engineering Mathematics	3	ELET 2300	Introduction to C++ Programming	3		
	HIST 1377	The United States 1877	3	HIST 1378	The United States since 1877	3		
	Semester Hours			14	Semester Hours			17

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	ELET 3301	Linear Systems Analysis	3	ELET 3405	Microprocessor Architecture	4		
	TMTH 3360	Applied Technical Statistics	3	ELET 3312/3112	PLC's & Motor Control/Lab	4		
	TELS 3340	Org Leadership & Super	3	TELS 3363	Technical Communication	3		
	MECT 1364	Material and Processes I	3	MECT 3341	Computer Aided Drafting	3		
	CORE	Language, Philosophy & Culture	3	ELET Elective	ELET 4304, 4311	3		
Semester Hours			15	Semester Hours			17	32

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	ELET 4326/4126	Power Converter Circuits & Lab	4	ELET 4303	Power Distribution & Transportation	3		
	ELET 4317	Elect. Systems Safety & Protect	3	ELET 4305	Electrical Power Systems Design & Project Management Principles	3		
	ELET Elective	ELET 4304, 4310	3	ELET 4319	Elect. Power Sys & Industry Prac	3		
	POLS 1336	US & TX Constitutions & Politics	3	POLS 1337	US Government	3		
	CORE	Creative Arts	3	Free Elective		3		
Semester Hours			16	Semester Hours			15	31
							124	

Courses in Bold are important prerequisites and should be taken as early as students are able. Students should meet with their academic advisor to formulate their own plan. Pending Coordinating Board approval.