

COLLEGE OF TECHNOLOGY

Bachelor of Science, Electrical Power Engineering Technology

Four-Year Academic Map 2019-2020

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 1301/1101	Intro to General Physics I & Lab	4	PHYS 1302/1102	Intro to General Physics II & Lab	4	
	Semester Hours			Semester Hours			30

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	
	CORE	Language, Philosophy and Culture	3	Free Elective		3	
	Semester Hours			Semester Hours			34

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	ELET 3301	Linear Systems Analysis	3	ELET 4303/4103	Power Distribution & Transportation	4	
	ELET 3405	Microprocessor Architecture	3	ELET 3312/3112	PLC's & Motor Control/Lab	4	
	TLIM 3363	Technical Communication	3	TLIM 3340	Org Leadership & Super	3	
	MECT 1365	Elements of Material & Processes	3	MECT 3341	Computer Aided Drafting	3	
	CORE	Social & Behavioral Sciences	3	ELET Elective	ELET 4304, 4311	3	
	Semester Hours			Semester Hours			33

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	ELET 4317	Elect. Systems Safety & Protect	4	ELET 4326/4126	Power Converter Circuits & Lab	4	
	ELET 4305	Senior Design in Electrical Power Engineering Technology	3	ELET 4105	Senior Design in Electrical Power Engineering Technology Lab	1	
	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	MECT 4188	Ethics in Engineering	1	
	Semester Hours			Semester Hours			27
						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 Provost approval.