

# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Electrical Power Engineering Technology

### Four-Year Academic Map 2018-2019

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	<b>ELET 1400</b>	<b>Circuit Theory I &amp; Lab</b>	<b>4</b>	<b>ELET 1401</b>	<b>Circuit Theory II &amp; Lab</b>	<b>4</b>	
	<b>MATH 1431</b>	<b>Calculus I</b>	<b>4</b>	<b>MATH 1432</b>	<b>Calculus II</b>	<b>4</b>	
	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
	<b>ELET 2301/2101</b>	<b>Poly-Phase Cir &amp; Transformers/Lab</b>	<b>4</b>	<b>ELET 2305/2105</b>	<b>Semiconductor Dev &amp; Circuits /Lab</b>	<b>4</b>	
	<b>ELET 3307/3107</b>	<b>Electrical Machines &amp; Lab</b>	<b>4</b>	<b>ELET 2303/2103</b>	<b>Digital Systems &amp; Lab</b>	<b>4</b>	
	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	
				Free Elective			3
	Semester Hours			Semester Hours			31

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	ELET 3301	Linear Systems Analysis	3	ELET 3405	Microprocessor Architecture	4	
	CORE	Social & Behavioral Sciences	3	ELET 3312/3112	PLC's & Motor Control/Lab	4	
	TELS 3340	Org Leadership & Super	3	TELS 3363	Technical Communication	3	
	MECT 1365	Elements of Material & Processes	3	MECT 3341	Computer Aided Drafting	3	
	CORE	Language, Philosophy & Culture	3	ELET Elective	ELET 4304, 4311	3	
	Semester Hours			Semester Hours			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			Semester Hours			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 Provost approval.