

# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Electrical Power Engineering Technology

### Four-Year Academic Map 2022-2023

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 2413</b>	<b>Calculus I</b>	<b>4</b>	<b>MATH 2414</b>	<b>Calculus II</b>	<b>4</b>	
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3	
	<b>PHYS 1301/1101</b>	<b>College Physics I &amp; Lab</b>	<b>4</b>	<b>PHYS 1302/1102</b>	<b>College Physics II &amp; Lab</b>	<b>4</b>	
	Semester Hours			Semester Hours			30

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	<b>ELET 2301/2101</b>	<b>Poly-Phase Circuits &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	<b>ELET 2300</b>	<b>Introduction to C++ Programming</b>	3	
	HIST 1301	U. S. to 1877	3	HIST 1302	U.S. since 1877	3	
	CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3	
Semester Hours			Semester Hours			34	

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	ELET 3301	Linear Systems Analysis	3	<b>ELET 4303/4103</b>	<b>Power Distribution &amp; Transportation/Lab</b>	<b>4</b>	
	ELET 3405	Microprocessor Architecture	4	<b>ELET 3312/3112</b>	<b>PLCs &amp; Motor Control/Lab</b>	<b>4</b>	
	TLIM 3363	Technical Communication	3	TLIM 3340	Org Leadership & Supervision	3	
	MECT 1365	Elements of Materials & Processes	3	MECT 3341	Computer Aided Drafting	3	
	CORE	Social & Behavioral Sciences	3	ELET Elective	ELET approved Elective	3	
Semester Hours			Semester Hours			33	

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	ELET 4317	Elect. Systems Safety & Protect	3	<b>ELET 4326/4126</b>	<b>Power Converter Circuits &amp; Lab</b>	<b>4</b>	
	ELET 4305	Senior Design in Electrical Power Engineering Technology	3	<b>ELET 4105</b>	<b>Senior Design in Electrical Power Engineering Technology Lab</b>	<b>1</b>	
	ELET Elective	ELET Approved Elective	3	ELET 4319	Elect. Power Sys & Industry Prac	3	
	GOVT 2306	US & Texas Constitution & Politics	3	GOVT 2305	Federal Government	3	
	Free Elective		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.