

# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Computer 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 2303/2103</b>	<b>Digital Systems &amp; Lab</b>	<b>4</b>	<b>ELET 2305/2105</b>	<b>Semiconductor Dev &amp; Circuits /Lab</b>	<b>4</b>	
	MATH 3321	Engineering Mathematics	3	<b>ELET 2300</b>	<b>Introduction to C++ Programming</b>	<b>3</b>	
	HIST 1301	U. S. to 1877	3	HIST 1302	U.S. since 1877	3	
	GOVT 2306	US & Texas Constitution & Policies	3	GOVT 2305	Federal Government	3	
	CHEM 1305	Foundations of Chemistry I	3	CORE	Social/Behavioral Science	3	
Semester Hours			Semester Hours			32	

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	<b>ELET 3405</b>	<b>Microprocessor Architecture</b>	<b>4</b>	<b>ELET 3425</b>	<b>Embedded Systems</b>	<b>4</b>	
	<b>ELET 3301</b>	<b>Linear Systems Analysis</b>	<b>3</b>	<b>ELET 3402</b>	<b>Communication Circuits</b>	<b>4</b>	
	<b>ELET 3403</b>	<b>Sensor applications</b>	<b>4</b>	MECT 3341	Computer Aided Drafting	3	
	TECH 3366	Applied Numerical Methods	3	TLIM 3340	Org Leadership & Super	3	
	<b>TLIM 3363</b>	<b>Technical Communication</b>	<b>3</b>	Free Elective		3	
Semester Hours			Semester Hours			34	

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	<b>ELET 4308</b>	<b>Senior Project</b>	<b>3</b>	<b>ELET 4208</b>	<b>Senior Project</b>	<b>2</b>	
	<b>ELET 4421</b>	<b>Computer Networks</b>	<b>4</b>	<b>MECT 4188</b>	<b>Ethics in Engineering</b>	<b>1</b>	
	CORE	Creative Arts	3	CORE	Language, Philosophy & Culture	3	
	ELET Elective		3	ELET Elective		3	
	ELET Elective		3	ELET Elective		3	
Semester Hours			Semester Hours			28	
						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.