

# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Computer 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 & Lab	4	PHYS 1302/1102	Intro to General Physics II & Lab	4	
	Semester Hours			15	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	ELET 2300	Introduction to C++ Programming	3	
	HIST 1377	The United States 1877	3	HIST 1378	The United States since 1877	3	
	POLS 1336	US & TX Constitutions & Politics	3	POLS 1337	US Government	3	
	CHEM 1301	Foundations of Chemistry	3	CORE	Social/Behavioral Science	3	
Semester Hours			16	Semester Hours			1 6
							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	TELS 3340	Org Leadership & Super	3	
	TELS 3363	Technical Communication	3	Free Elective		3	
Semester Hours			17	Semester Hours			1 7
							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	ELET 4300, 4327, 4332	3	ELET Elective	ELET 4300, 4302, 4309, 4315, 4325, 4327, 4332	3	
	ELET Elective	ELET 4300, 4327, 4332	3	ELET Elective	ELET 4300, 4302, 4309, 4315, 4325, 4327, 4332	3	
Semester Hours			16	Semester Hours			12 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.