

COLLEGE OF TECHNOLOGY

Bachelor of Science, Computer 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 & Lab	4	PHYS 1302/1102	Intro to General Physics II & Lab	4	
	Semester Hours			15	Semester Hours		15

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	ELET 2303/2103	Digital Systems & Lab	4	ELET 2305/2105	Semiconductor Dev & Circuits /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	
	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		16	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	ELET 3405	Microprocessor Architecture	4	ELET 3425	Embedded Systems	4	
	ELET 3301	Linear Systems Analysis	3	ELET 3402	Communication Circuits	4	
	ELET 3403	Sensor applications	4	MECT 3341	Computer Aided Drafting	3	
	TECH 3366	Applied Numerical Methods	3	TLIM 3340	Org Leadership & Super	3	
	TLIM 3363	Technical Communication	3	Free Elective		3	
Semester Hours			17	Semester Hours		17	34

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