

COLLEGE OF TECHNOLOGY

Bachelor of Science, Computer Engineering Technology

Four-Year Academic Map 2020-2021

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ELET 1400	Circuit Theory I & Lab	4	ELET 1401	Circuit Theory II & Lab	4	
MATH 2413	Calculus I	4	MATH 2414	Calculus II	4		
ENGL 1301	English Composition I	3	ENGL 1302	English Composition II	3		
PHYS 1301/1101	College Physics I & Lab	4	PHYS 1302/1102	College Physics II & Lab	4		
Semester Hours		15	Semester Hours		15	30	

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 1301	United States History I	3	HIST 1302	United States History II	3		
GOVT 2305	Federal Government	3	GOVT 2306	Texas Government	3		
CHEM 1306	Introductory Chemistry I	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.