

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 1431 (MATH 2413)	Calculus I	4	MATH 1432 (MATH 2414)	Calculus II	4		
	Core Course	Communication	3	Core Course	English Composition II	3		
	PHYS 1301/1101	Intro to General Physics I & 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		
	Core Course	American History	3	Core Course	American History	3		
	Core Course	Government	3	Core Course	Government	3		
	CHEM 1301 (CHEM 1306)	Foundations of Chemistry	3	Core Course	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 Course	Creative Arts	3	Core Course	Language, Philosophy & Culture	3		
	ELET Elective		3	ELET Elective		3		
	ELET Elective		3	ELET Elective		3		
Semester Hours			16	Semester Hours			12	28
							124	

(Texas Common Course Number) 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.