

CULLEN COLLEGE OF ENGINEERING TECHNOLOGY DIVISION

Bachelor of Science, Computer Engineering Technology

Four-Year Academic Map 2023-2024

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	First Year Writing I	3	ENGL 1302	First Year Writing II	3		
	PHYS 1301/1101	College Physics I & Lab	4	PHYS 1302/1102	College 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 3300 OR MATH 3321	Applied Math in ET or Engineering Mathematics	3	ELET 2300	Introduction to C++ Programming	3		
	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			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 elec	See advisor	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.