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	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	
ELET 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.