

CULLEN COLLEGE OF ENGINEERING TECHNOLOGY DIVISION

Bachelor of Science, Electrical Power Engineering Technology

Four-Year Academic Map 2025-2026

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	
	GOVT 2305	Federal Government	3	*ELET 2305/2105	Semiconductor Dev & Circuits & Lab	4		
	CORE	Creative Arts	3	*ELET 2303/2103	Digital Systems & Lab	4		
	HIST 1301	U. S. to 1877	3	*ELET 2300	Introduction to C++ Program	3		
	GOVT 2306	US & Texas Constitution & Politics	3	*ELET 3300	Applied Math for ET	3		
	CORE	Language, Philosophy & Culture	3	HIST 1302	U.S. since 1877	3		
Semester Hours			15	Semester Hours			17	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	*ELET 2301/2101	Poly-Phase Circuits & Transformers/Lab	4	*ELET 4303/4103	Power Distribution & Transportation/Lab	4		
	*ELET 3307/3107	Electrical Machines & Lab	4	*ELET 3312/3112	PLCs & Motor Control/Lab	4		
	*ELET 3301	Linear Systems Analysis	3	*TLIM 3363	Technical Communication	3		
	*ELET 3405	Microprocessor Architecture	4	*MECT 1365	Elements of Materials & Processes	3		
				CORE	Social & Behavioral Sciences	3		
Semester Hours			15	Semester Hours			17	32

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	*ELET 4317	Elect. Systems Safety & Protect	3	*ELET 4319	Elect. Power Sys & Industry Prac	3		
	*ELET 4305	Senior Design in Electrical Power Engineering Technology	3	*ELET 4105	Senior Design in Electrical Power Engineering Technology Lab	1		
	*ELET 4326/4126	Power Converter Circuits & Lab	4	ELET Elective	ELET approved Elective	6		
	*ELET 4310	Alternate Energy Sources	3	MECT 4188	Ethics in Engineering	1		
	*TLIM 3340	Org Leadership & Supervision	3	Free Elective		3		
Semester Hours			16	Semester Hours			14	30
							124	

***Courses Offered in Sugar Land**

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.