

# 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	30

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	
	Semester Hours		15	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.