College of Technology
Bachelor of Science - Electrical Power Engineering Technology
Four-Year Academic Map 2014-2015

Year 1

Semester 1			Semester 2			Total
ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3	
MECT 1364	Materials & Processes I	3	ELET 1400	Circuit Theory I & Lab	4	
MATH 1330	Pre-Calculus	3	MATH 1431	Calculus I	4	
POLS 1336	US & Texas Constitutions & Politics	3	PHYS 1301/1101	Intro to General Physics & Lab	4	
CORE	Social & Behavioral Science	3				
Semester Hours		15	Semester Hours		15	30

Year 2

Semester 1			Semester 2			
HIST 1377	The United States 1877	3	HIST 1378	The United States since 1877	3	
MATH 1432	Calculus II	4	ELET 2300	Introduction to C++ Programming	3	
ELET 1401	Circuit Theory II & Lab	4	ELET 2303/2103	Digital Systems & Lab	4	
PHYS 1302/1102	Intro to General Physics II & Lab	4	ELET 2305/2105	Semiconductor Devices & Circuits /Lab	4	
Semester Hours		15	Semester Hours		14	29

Year 3

Semester 1			Semester 2			
TELS 3340	Organizational Leadership & Super	3	TELS 3363	Technical Communication	3	
CIS 2334	Information Systems Applications	3	TMTH 3360	Applied Technical Statistics	3	
ELET 3301	Linear Systems Analysis	4	ELET 3312/3112	PLC's & Motor Control/Lab	4	
ELET 3307/3107	Electrical Machines	3	ELET 3405	Microprocessor Architecture	4	
ELET 2301/2101	Poly-Phase Circuits & Transformers/Lab	4	ELET 4303	Power Distribution & Transportation	3	
Semester Hours		17	Semester Hours		17	34

Year 4

Semester 1			Semester 2			
CORE	Creative Arts	3	CORE	Language, Philosophy & Culture	3	
POLS 1337	US Government	3	Elective	Approved Elective	3	
ELET 4326/4126	Power Converter Circuits & Lab	4	ELET Elective	ELET 4304, 4311, 4310	3	
ELET 4317	Electrical Systems Safety & Protect	3	ELET 4305	Electrical Power Systems Design & Project Management Principles	3	
ELET Elective	ELET 4304, 4311, 4310	3	ELET 4319	Electrical Power Sys & Industry Practice	3	
Semester Hours		16	Semester Hours		15	31
						124

Students should meet with their academic advisor to formulate their own plan.