

ELECTRIC POWER TECHNOLOGY

Program Certificate

Prescribed Technical Program	53
General Education Total	4
Total Degree Credits	57

Course	Title	Credits
Semester I		
Prescribed Technical Program Requirements		
ELPW 111	Introduction to Electrical Industry and Power Grid	3
ENRT 106	DC Fundamentals	2
ENRT 108	AC Fundamentals	3
ELPW 114	Industrial Safety & Health	3
ENRT 117	Technical Communication	3
	Credits	14
Semester II		
Prescribed Technical Program Requirements		
ELPW 105	Electrical System Fundamentals	3
ELPW 112	Electrical System Components	3
ELPW 120	Industrial Prints & Diagrams	4
ENRT 221	Applied Electronics	3
	Credits	13
Semester III		
Prescribed Technical Program Requirements		
ENRT 224	Automation and Control	3
ENRT 230	Power System SCADA	3
ELPW 204	Advanced Electrical Systems	4
ELPW 206	Electrical System Protection	4
	Credits	14
Semester IV		
Prescribed Technical Program Requirements		
Select any 12 credits:		12
Line Construction Specialization - offered fall semesters		
ELPW 250	Transformers (4 credits)	
ELPW 230	Underground Line Construction (4 credits)	
ELPW 210	Overhead Transmission and Distribution Line Construction (4 credits)	
Substation Specialization - offered spring semesters		
ELPW 251	Substation Construction and Maintenance (4 credits)	
ELPW 211	Substation Relays (4 credits)	
ELPW 231	Substation Operations (4 credits)	
System Design Specialization - offered spring semesters		
ELPW 208	Advanced Math (4 credits)	
ELPW 240	Electric Distribution Systems (4 credits)	
ELPW 252	Civil Design (4 credits)	
Metering Specialization - offered fall semesters		
ELPW 208	Advanced Math (4 credits)	
ELPW 213	Fundamentals of Metering (3 credits)	
ELPW 233	Single-Phase Metering and Polyphase Metering (3 credits)	

ELPW 253	Advanced Metering Technology (2 credits)	
	Credits	12
	Total Credits	53

General Education Requirements

Select 4 credits of general education courses in 2 areas of study.		4
General Education Requirements Course		
General Education Requirements Course		
	Total Credits	4

College Degree Requirements

General Education & Diversity Course Matrix Requirements