



Electric Power Technology
Program Certificate
 Advising Worksheet * 2024-2025

Prescribed Technical Program Total	53
Total Degree Credits	53

Semester I			Notes
Prescribed Technical Program Requirements			
ELPW	111	Introduction to the Electrical Industry & Power Grid	3
ENRT	106	DC Fundamentals	2
ENRT	108	AC Fundamentals	3
ELPW	114	Industrial Safety and Health	3
ENRT	117	Technical Communication	3
Total Credits			14

Semester II			Notes
Prescribed Technical Program Requirements			
ELPW	105	Electrical System Fundamentals	3
ELPW	112	Electrical System Components	3
ELPW	120	Industrial Prints and Diagrams	4
ENRT	221	Applied Electronics	3
Total Credits			13

Semester III			Notes
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
Total Credits			14

Semester IV - <i>Choose specialization track or any 12 credits</i>			Notes
Prescribed Technical Program Requirements			
1. Line Construction Specialization - offered fall semesters			
ELPW	250	Transformers	4
ELPW	230	Underground Line Construction	4
ELPW	210	Overhead Transmission & Distribution Line Construction	4
2. Substation Specialization - offered spring semesters			
ELPW	251	Substation Construction & Maintenance	4
ELPW	211	Substation Relays	4
ELPW	231	Substation Operations	4
3. System Design Specialization - offered spring semesters			
ELPW	208	Advanced Math	4
ELPW	240	Electric Distribution Systems	4
ELPW	252	Civil Design	4
4. Metering Specialization - offered fall semesters			
ELPW	208	Advanced Math	4
ELPW	213	Fundamentals of Metering	3
ELPW	233	Single-Phase & Polyphase Metering	3
ELPW	253	Advanced Metering Technology	2
Total Credits			12

**Unofficial advising worksheet used for planning purposes only*