

# ELECTRIC POWER TECHNOLOGY

## Program Certificate Checklist

- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.

## Summary

Total Credits

53

## Degree Plan

### Prescribed Program

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
ELPW 105	Electrical System Fundamentals	3
ELPW 112	Electrical System Components	3
ELPW 120	Industrial Prints & Diagrams	4
ENRT 221	Applied Electronics	3
ENRT 224	Automation and Control	3
ENRT 230	Power System SCADA	3
ELPW 204	Advanced Electrical Systems	4
ELPW 206	Electrical System Protection	4
Select any 12 credits: Capstone		12
<i>Line Construction Specialization - offered fall semesters</i>		
ELPW 250	Transformers (4 credits)	
ELPW 230	Underground Line Construction (4 credits)	
ELPW 210	Overhead Transmission and Distribution Line Construction (4 credits)	
<i>Substation Specialization - offered spring semesters</i>		
ELPW 251	Substation Construction and Maintenance (4 credits)	
ELPW 211	Substation Relays (4 credits)	
ELPW 231	Substation Operations (4 credits)	
<i>System Design Specialization - offered spring semesters</i>		
ELPW 208	Advanced Math (4 credits)	
ELPW 240	Electric Distribution Systems (4 credits)	
ELPW 252	Civil Design (4 credits)	
<i>Metering Specialization - offered fall semesters</i>		
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)	
<b>Total Credits</b>		<b>53</b>