ELECTRIC POWER TECHNOLOGY

Associate in Applied Science
Checklist

- View the General Education Matrix for a complete list of qualifying courses.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.

Summary

Prescribed Program	53
General Education	15
Digital Literacy	
Total Credits	**68**

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
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)	
Total Credits		**53**

General Education
Written or Oral Communications

ENGL 110	College Composition I	3
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
Credits Subtotal		**6**

Arts & Humanities/Social & Behavioral Sciences

Select one of the following recommended courses:		3
HIST 103	United States to 1877	
ECON 201	Principles of Microeconomics	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
Credits Subtotal		**3**

Business, Math, Science, & Technology (Two Areas of Study)

Select one of the following recommended courses:		3
CSCI 101	Introduction to Computers	
CIS 147	Principles of Information Security	
Select one of the following recommended courses:		3
MATH 137	Applied Algebra	
MATH 210	Elementary Statistics	
Credits Subtotal		**6**

General Education Total Credits		**15**

Digital Literacy

Select one of the following:		
ENGL 110	College Composition I	
NDUS Institution Approved Training Course		
NDUS Institution Designated Digital Literacy Course		