

# ELECTRICAL TRANSMISSION SYSTEMS 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	51
General Education	15
Digital Literacy	
<b>Total Credits</b>	<b>66</b>

## Degree Plan

### Prescribed Program

ETST 240	Power Industry Concepts	3
ENRT 106	DC Fundamentals	2
ENRT 108	AC Fundamentals	3
ETST 250	Electrical Generation Theories	4
ETST 254	Substations	3
ETST 256	Transformers	3
ETST 258	Protective Relaying	4
ETST 260	Electrical Diagram Interpretation	2
ETST 262	Power System Operations	3
ETST 266	Interconnected System Operations	3
ETST 268	Power Flow	3
ETST 270	System Operator Work Practices	3
ETST 272	Power System Safety	3
ETST 274	SCADA Systems & Communication	3
ETST 276	Power System Economics	3
ETST 278	Power System Emergency Concepts	3
ETST 280	Reliability Policies and Procedures	3
<b>Total Credits</b>		<b>51</b>

## 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	
<b>Credits Subtotal</b>		<b>6</b>

## 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	
<b>Credits Subtotal</b>		<b>3</b>

**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

<b>Credits Subtotal</b>		<b>6</b>
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<b>General Education Total Credits</b>		<b>15</b>
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**Digital Literacy**

Select one of the following:

ENGL 110	College Composition I
NDUS Institution Approved Training Course	
NDUS Institution Designated Digital Literacy Course	