

ELECTRICAL TRANSMISSION SYSTEMS TECHNOLOGY

Associate in Applied Science

Prescribed Technical Program	51
General Education	15
Total Degree Credits	66

Course	Title	Credits
Semester I		
Prescribed Technical Program Requirements		
ETST 240	Power Industry Concepts	3
ENRT 106	DC Fundamentals	2
ENRT 108	AC Fundamentals	3
ETST 250	Electrical Generation Theories	4
	Credits	12
Semester II		
Prescribed Technical Program Requirements		
ETST 254	Substations	3
ETST 256	Transformers	3
ETST 258	Protective Relaying	4
ETST 260	Electrical Diagram Interpretation	2
	Credits	12
Semester III		
Prescribed Technical Program Requirements		
ETST 262	Power System Operations	3
ETST 266	Interconnected System Operations	3
ETST 268	Power Flow	3
ETST 270	System Operator Work Practices	3
	Credits	12
Semester IV		
Prescribed Technical Program Requirements		
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
	Credits	15
	Total Credits	51

General Education Requirement

<i>Arts & Humanities/Social & Behavioral Sciences</i>		
General Education Matrix (Arts & Humanities/Social & Behavioral Sciences)		3
<i>Business, Math, Science & Technology</i>		
General Education Matrix (Math Elective) ¹		3
General Education Matrix (Business, Math, Science & Technology courses)		3
<i>Written or Oral Communications</i>		
ENGL 110	College Composition I (Required)	
ENGL 120	College Composition II	
or ENGL 125	Introduction to Professional Writing	
or COMM 110	Fundamentals of Public Speaking	
	Total Credits	15

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Any of the following courses will satisfy the 3 Math credits required: MATH 137, MATH 103, MATH 104, MATH 105, MATH 107, MATH 146, MATH 165, MATH 166, MATH 208, MATH 210 or MATH 277.

College Degree Requirements

General Education & Diversity Course Matrix Requirements