



# Electrical Transmission Systems Technology

Associate in Applied Science  
Advising Worksheet\* 2019-2020

Prescribed Technical Program Total	51
General Education Total	15
<b>Total Degree Credits</b>	<b>66</b>

## Semester I (Fall/Spring)

Prescribed Technical Program Requirements			
ETST	240	Power Industry Concepts	3
ENRT	106	DC Fundamentals (also offered in summer)	2
ENRT	108	AC Fundamentals (also offered in summer)	3
ETST	250	Electrical Generation Theory	4
<b>Total Credits</b>			<b>12</b>

## Semester II (Fall/Spring)

Prescribed Technical Program Requirements			
ETST	254	Substations	3
ETST	256	Transformers	3
ETST	258	Protective Relaying	4
ETST	260	Electrical Diagram Interpretation	2
<b>Total Credits</b>			<b>12</b>

## Semester III (Fall/Spring)

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
<b>Total Credits</b>			<b>12</b>

## Semester IV (Fall/Spring)

Prescribed Technical Program Requirements			
ETST	272	Power System Safety	3
ETST	274	SCADA Systems and Communication	3
ETST	276	Power System Economics	3
ETST	278	Power System Emergency Concepts	3
ETST	280	Reliability Policies & Procedures	3
<b>Total Credits</b>			<b>15</b>

## General Education Requirements

Arts & Humanities/Social & Behavioral Sciences			
1.			3
<b>Business, Math, Science &amp; Technology (Two areas of study required)</b>			
MATH	137	Applied Algebra or higher (required)	
2.			3
Communications I			
ENGL	110	College Composition I (Required)	3
Communications II (Select one course.)			
ENGL	120	College Composition II (Prerequisite: ENGL 110)	
ENGL	125	Intro to Professional Writing (Prerequisite: ENGL 110)	3
COMM	110	Fundamentals of Public Speaking	
<b>Total Credits</b>			<b>15</b>

\*Unofficial advising worksheet used for planning purposes only

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Transfer Courses

Transfer Courses

Transfer Courses

## General Education Requirements Continued

### Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed

Needed

(6 Credits) Must be satisfied with courses from two areas of study. Area of study is based on course prefix.

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
3	*	ACCT 200	3/1		CHEM 110	3		MATH 146
3	*	ACCT 201	3/1		CHEM 112	4		MATH 165
3/1		ASTR 150	3/1		CHEM 114	4		MATH 166
3	*	BADM 202	4/1		CHEM 115	3	*	MATH 208
3	*	BADM 210	4/1		CHEM 116	3		MATH 210
3	*	BADM 240	4/1		CHEM 121	4	*	MATH 277
3	*	BADM 281	4/1		CHEM 122	3/1		MICR 202
3	*	BADM 282	3	*	CIS 147	3	*	NUTR 240
1	*	BIOL 102	4	*	CIS 164	3/1		PHYS 100
3		BIOL 109	3		CSCI 101	3/1		PHYS 110
3/1		BIOL 111	3		CSCI 122	4/1		PHYS 211
3/1		BIOL 115	4		CSCI 160	4/1		PHYS 212
3		BIOL 124	4		CSCI 161	4/1		PHYS 251
3/1		BIOL 125	3/1		GEOG 121	4/1		PHYS 252
3/1		BIOL 126	3/1		GEOG 102	2/1		PLSC 110
3/1		BIOL 150	3/1		GEOG 105	3/1		SCNC 101
3/1		BIOL 151	3		GIS 105			(Biology & Chemistry)
3/1		BIOL 170	3	*	GIS 107	3/1		SCNC 102
3/1		BIOL 220	4		MATH 103			(Physics & Geology)
3/1		BIOL 221	3		MATH 104	3/1		SCNC 103
3/1		BIOL 250	2		MATH 105			Physical Science III/Lab
3/1		BOT 170	4		MATH 107			(Astronomy & Meteorology)
3	*	BUSN 120	3	*	MATH 137	2/1	*	SOIL 210
								Introduction to Soil Science/Lab

Transfer Courses

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## Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC) are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not fulfill general education requirements, institutional credit requirements and cannot be included in the semester hours required for an Associate in Applied Science degree.

Gr.	Cr.		Gr.	Cr.	
2		ASC 082	2		ASC 94
2		ASC 91	2		ASC 95
2		ASC 92	2		ASC 96
2		ASC 93	3/1		ASC 098

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