



Electrical Transmission Systems Technology

Associate in Applied Science
Degree Plan 2015-2016

Prescribed Technical Program Total	51
General Education Total	15
Total Degree Credits	66

Semester I

Prescribed Technical Program Requirements

ETST	240	Power Industry Concepts	3
ETST	242	Applied Mathematics for System Operators	2
ENRT	106	DC Fundamentals	2
ENRT	108	AC Fundamentals	3
ETST	250	Electrical Generation Theory	4
ETST	254	System Elements I - Substations	3
Total Credits			17

Semester II

Prescribed Technical Program Requirements

ETST	256	System Elements II - Transformers	3
ETST	258	System Elements III - Protective Relaying	3
ETST	260	Electrical Diagram Interpretation	2
ETST	262	Power System Operations	3
ETST	266	Interconnected System Operations	3
ETST	268	Power Flow	3
Total Credits			17

Semester III

Prescribed Technical Program Requirements

ETST	270	System Operator Work Practices	3
ETST	272	Power System Safety	3
ETST	274	Communications & Control Technology	2
ETST	276	Power System Economics	3
ETST	278	Power System Emergency Concepts	3
ETST	280	Reliability Policies & Procedures	3
Total Credits			17

General Education Requirements

Arts & Humanities/Social & Behavioral Sciences

1.	3
----	---

Business, Math, Science & Technology

1.	3
2.	3

Communications I

ENGL	110	College Composition I (Required)	3
------	-----	----------------------------------	---

Communications II (Select one course.)

ENGL	120	College Composition II	
ENGL	125	Introduction to Professional Writing	3
COMM	110	Fundamentals of Public Speaking	
Total Credits			15

Associate in Applied Science (AAS)

Advisor: _____
 Office: _____
 Phone: _____
 Email: _____

Degree Checklist

- Credits
- _____ Earned a minimum of 3 credits in ENGL 110
 - _____ Earned a minimum of 3 credits in ENGL 120, 125 or COMM 110
 - _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science
 - _____ Earned a minimum of 6 credits in Business, Math, Science & Technology
 - _____ Earned prescribed technical program requirements
 - Earned a minimum of 60 total credits
 -Academic Skills Courses (ASC) do not apply toward graduation.
- Earned a minimum of 15 institutional credit (BSC only)
 - Earned a minimum 2.00 institutional GPA (BSC only)
 - Earned a minimum 2.00 cumulative GPA (BSC + Transfer)
 - Earned a minimum 2.00 GPA in a prescribed technical program
 - Cleared all college obligations
 - Declared program of study is Degree-seeking
 - Filed an Application for Degree

Legend
 (*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS Completed _____ Needed _____

Communications I

(3 Credits) - ENGL 110

Gr.	Cr.		
_____	3	ENGL 110	College Composition I

Transfer Course _____

Communications II

(3 Credits) -ENGL 120, 125, COMM 110 (Select one)

Gr.	Cr.		
_____	3	ENGL 120	College Composition II
_____	3	ENGL 125	Introduction to Professional Writing
_____	3	COMM 110	Fundamentals of Public Speaking

Transfer Course _____

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	_____	4	* CIS 164	_____	3	* NUTR 240
_____	1	* BIOL 102	_____	3	CSCI 101	_____	3/1	PHYS 100
_____	3	BIOL 109	_____	3	CSCI 122	_____	3/1	PHYS 110
_____	3/1	BIOL 111	_____	4	CSCI 160	_____	3/1	PHYS 211
_____	3/1	BIOL 115	_____	4	CSCI 161	_____	3/1	PHYS 212
_____	3	BIOL 124	_____	3/1	GEOG 121	_____	4/1	PHYS 251
_____	3/1	BIOL 126	_____	3/1	GEOL 102	_____	4/1	PHYS 252
_____	3/1	BIOL 150	_____	3/1	GEOL 105	_____	2/1	PLSC 110
_____	3/1	BIOL 151	_____	3	GIS 105	_____	3/1	SCNC 101
_____	3/1	BIOL 220	_____	3	* GIS 107	_____		
_____	3/1	BIOL 221	_____	4	MATH 103	_____	3/1	SCNC 102
_____	3/1	BIOL 250	_____	3	MATH 104	_____		
_____	3/1	BIOL 251	_____	2	MATH 105	_____	3/1	SCNC 103
_____	3/1	BOT 170	_____	4	MATH 107	_____		
_____	3	* BUSN 120	_____	3	* MATH 137	_____	2/1	* SOIL 210
Transfer Courses			Transfer Courses			Transfer Courses		
_____			_____			_____		
_____			_____			_____		
_____			_____			_____		
_____			_____			_____		

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

Gr.	Cr.		Gr.	Cr.	
_____	2	ASC 082	_____	2	ASC 92
_____	3	ASC 087	_____	2	ASC 93
_____	1	ASC 088	_____	3/1	ASC 098
_____	2	ASC 91			