

Name _____

ID # _____

2018-2019 ELECTRICAL DISTRIBUTION SYSTEMS (EDS)
Associate of Applied Science Degree
Education Plan

*Grades of "B" or better are required in HEO 151 and HEO 152,
and grades of "C" or better are required in all other courses.*

Graduates must earn an OSHA 10-hour Construction card, CPR First Aid certification, and Flagger certification.

Placement Classes

English (COM)

095 097 101 110 TRANSFER

Mathematics (MAT)

051 071 115 TRANSFER

Reading (COM)

050 070 N/A

CORE CURRICULUM

Grade	Semester	Course #	Course Name	Cr Hr
_____	_____	EDS 100	Customer Service for Utility Professionals	1
_____	_____	EDS 110	Electrical Distribution Systems I	1
_____	_____	EDS 115	Electrical Distribution Systems II	1
_____	_____	EDS 120	Safety and Accident Prevention I	1
_____	_____	EDS 125	Safety and Accident Prevention II	1
_____	_____	EDS 150	Equipment Operation I	3
_____	_____	EDS 160	Climbing Skills	3
_____	_____	EDS 170	Construction and Maintenance of Overhead Lines	6
_____	_____	EDS 235	Electrical Utility Internship	8
_____	_____	EDS 238	Transformer Theory and Installation	4
_____	_____	EDS 241	Conductor Installation, Service and Metering	4
_____	_____	EDS 252	Rubber Gloving Techniques	2
_____	_____	EDS 259	Construction of Underground Electrical Systems	3
_____	_____	EDS 272	Fusing, Substation, and Voltage Regulation Equipment	2
SUB-TOTAL				40

PROGRAM REQUIREMENTS

_____	_____	EMS 120	Trigonometry for Industrial Electricity or MAT 121 Trigonometry	3
_____	_____	HEO 151	Basic Commercial Driver License (See the Registrar if you already have your Class A CDL.)	1
_____	_____	HEO 152	Basic Commercial Driver License Lab	1
_____	_____	IEL 117	Circuitry Fundamentals w/Lab	4
_____	_____	UST 155	Equipment Operation II	3
SUB-TOTAL				12

GENERAL EDUCATION REQUIREMENTS

_____	_____	COM 101	English Composition or COM 110 Honors Composition	3
_____	_____	COM 111	Oral Communications or COM 121 Public Speaking	3
_____	_____	CPP 101	Introduction to Microcomputer Usage or CPP 102 Advanced Microcomputer Usage	3
_____	_____	MAT 115	College Algebra or MAT 118 Survey of College Mathematics	3
_____	_____	PHY 101	College Physics & PHY 102 College Physics Lab or PHY 103 & 104 Environmental Science & Env. Sci. Lab	4
_____	_____	PSC 101	American Government or HST 105 Am. History to 1877 or HST 110 Am. History from 1877	3
SUB-TOTAL				19

GRADUATION REQUIREMENTS

_____	_____	COM 125	Job Search Strategies	1
SUB-TOTAL				1
PROGRAM TOTAL				72

Pre-requisite Classes - if applicable

_____	_____	COM 050	Reading Fundamentals	_____	_____	COM 070	College Reading Preparation
_____	_____	COM 095	Basic Writing	_____	_____	COM 097	Intermediate Writing
_____	_____	MAT 051	Introductory Algebra	_____	_____	MAT 071	Intermediate Algebra

I understand this education plan is the list of courses (not including pre-requisite courses) I must pass in order to earn the degree/certificate I'm pursuing. It is my responsibility, with the assistance of my advisor, to ensure I have enrolled in and appropriately passed all courses required for graduation. Any degree exceptions will be agreed upon by my Department Chair, the Dean or Associate Dean of Instruction, and me and submitted to the Registrar on the Degree Exception form. I am responsible for knowing the graduation requirements for my program as they are listed in the catalog.

Student Signature / Date: _____ **Advisor Signature / Date:** _____

The signed original of this form should be submitted to the Academic Records Office upon initial enrollment, and copies should be kept by the student and advisor.

Sample Course of Study for the
Electrical Distribution Systems
Associate of Applied Science Degree

<u>1st Fall Semester</u>		<u>20 hours</u>
COM 111	Oral Communications	3
EDS 100	Customer Service for Utility Professionals	1
EDS 110	Electrical Distribution Systems I	1
EDS 120	Safety and Accident Prevention I	1
EDS 150	Equipment Operation I (1 st 8 weeks)	3
EDS 160	Climbing Skills (2 nd 8 weeks)	3
IEL 117	Circuitry Fundamentals w/Lab	4
MAT 051*	Introductory Algebra or MAT 071*	4
 <u>1st Spring Semester</u>		 <u>17 hours</u>
COM 101	English Composition	3
COM 125	Job Search Strategies (1 st 8 weeks)	1
EDS 115	Electrical Distribution Systems II	1
EDS 125	Safety and Accident Prevention II	1
EDS 170	Construction and Maintenance of Overhead Lines	6
EMS 120	Trigonometry for Industrial Electricity	3
HEO 151**	Basic Commercial Driver License	1
HEO 152**	Basic Commercial Driver License Lab	1
 <u>Summer Semester</u>		 <u>8 hours</u>
EDS 235	Electrical Utility Internship	8
 <u>2nd Fall Semester</u>		 <u>18-19 hours</u>
CPP 101	Introduction of Microcomputer Usage	3
EDS 238	Transformer Theory and Installation	4
EDS 252	Rubber Gloving Techniques (1 st 8 weeks)	2
MAT 071*	Intermediate Algebra or Math Gen Ed Requirement	3-4
UST 155	Equipment Operation II (2 nd 8 weeks)	3
Social Science General Education Requirement		3
 <u>2nd Spring Semester</u>		 <u>13-16 hours</u>
EDS 241	Conductor Installation, Service and Metering	4
EDS 259	Construction of Underground Electrical Systems	3
EDS 272	Fusing, Substation and Voltage Regulation Equipment	2
Math General Education Requirement (if not taken earlier)		(3)
Science General Education Requirement		4

* You may test into a higher math class based on your placement score.

** If you already possess a Class A Commercial Driver's License, please present your license to the Registrar to receive credit for HEO 151 and 152.

Please read the course descriptions in our catalog on the State Tech website to check for additional pre-requisites for these classes.

You should apply for graduation during your 2nd Fall semester of classes.