

# ELECTRIC UTILITY TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE



**APPLIED  
TECHNOLOGY**

Associate in Applied Science: AAS 3855

65-73 Credits

Program Contact

Jon Terpay | 480-988-8756 | jonathan.terpay@cgc.edu

## Program Description

The Associate in Applied Science (AAS) in Electric Utility Technology program is designed to prepare the student for the position of an apprentice-level line worker who is familiar with the use of tools, materials, and the equipment of the electric utility industry. Students will be trained in power line installation and maintenance, pole climbing and use of tools, truck and equipment operation, and overhead and underground distribution, construction, and maintenance of electrical lines. A Certificate of Completion (CCL) in Electric Utility Technology is fully embedded in this AAS.

## Program Notes

Students must earn a grade of "C" or better in all courses within the program. Overall program minimum GPA = 2.00.

Students must obtain First Aid/Cardiopulmonary Resuscitation (CPR) certification by the completion of EUT215 Field Training II.

Student must provide an Arizona Department of Transportation Medical Certification to the Division Office of Aviation and Applied Technology prior to the first class period for EUT115 Field Training I.

Students must obtain a Commercial Drivers License from the State of Arizona and/or an interstate Commercial Drivers License Class A with no restrictions prior to completion of the Required Courses.

++ indicates any suffixed course may be selected.

## Admission Criteria

Formal application and admission to the Electric Utility Technology program is required.

## Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
<b>Required Courses</b>			
EUT103	Introduction to Rigging	2	_____
EUT104	Equipment Safety and Operation	2	_____
EUT110	Line Work I	2	_____

EUT112	Basic Electricity: AC and DC	4	_____
EUT115	Field Training I	4	_____
EUT210	Line Work II	2	_____
EUT211	Electrical Apparatus	4	_____
EUT215	Field Training II	4	_____
FYE101	Introduction to College, Career and Personal Success	1-3	_____
or FYE103	Exploration of College, Career and Personal Success		_____
Select one of the following:		3-6	_____
MAT120	Intermediate Algebra		_____
MAT121	Intermediate Algebra		_____
MAT122	Intermediate Algebra		_____
MAT126	Intermediate Algebra with Review		_____
PPT120	Energy Industry Fundamentals	3	_____

### Restricted Electives

Select 15 credits from a minimum of 2 different course prefixes. Selected courses will not apply in both the Required and Restricted Electives areas.

ACC+++++	Any ACC Accounting courses		_____
BPC+++++	Any BPC Business-Personal Computer courses		_____
CAD+++++	Any CAD Computer-Aided Drafting courses		_____
CIS+++++	ANY CIS Computer-Information Systems courses		_____
COM+++++	Any COM Communication courses		_____
DFT+++++	ANY DFT Drafting courses		_____
ECE+++++	Any ECE Engineering Science courses		_____
EEE+++++	Any EEE Electrical Engineering courses		_____

ELE+++++	Any ELE Electronic courses	_____	Or equivalent as indicated by assessment	_____
ELT+++++	Any ELT Electronics Technology	_____	<i>Mathematics</i>	_____
EMT+++++	Any EMT Emergency Medical Technology courses	_____	Met by MAT12+ in Required Course area	0
HES+++++	Any HES Health Science courses	_____	<b>Distribution</b>	_____
GBS+++++	Any GBS General Business course	_____	<i>Humanities, Arts and Design</i>	_____
NET+++++	Any NET Networking Technology courses	_____	Any approved general education course(s) from the Humanities, Arts and Design area	3
PED+++++	Any PED Physical Education courses	_____	<i>Social and Behavioral Sciences</i>	_____
PHY+++++	Any PHY Physics courses	_____	Any approved general education course(s) in the Social and Behavioral Sciences area	3
PPT+++++	Any PPT Power Plant Technology courses	_____	<i>Natural Sciences</i>	_____
SPA+++++	Any SPA Spanish Courses	_____	Any approved general education course(s) in the Natural Sciences area	4
UAS+++++	Any UAS Unmanned Aircraft Systems courses	_____	<b>Total Credits</b>	<b>65-73</b>
<b>General Education</b>		_____		
<b>Core</b>		_____		
<i>First-Year Composition</i>		_____		
ENG101	First-Year Composition	3		_____
or ENG107	First-Year Composition for ESL			_____
ENG102	First-Year Composition	3		_____
or ENG108	First-Year Composition for ESL			_____
<i>Oral Communication</i>		_____		
Select one of the following:		3		_____
COM100	Introduction to Human Communication			_____
COM110	Interpersonal Communication			_____
COM225	Public Speaking			_____
COM230	Small Group Communication			_____
<i>Critical Reading</i>		_____		
Select one of the following:		0-3		_____
CRE101	College Critical Reading and Critical Thinking			_____