



2016 - 2017 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Electric Line Worker

About This Major . . . This program covers all areas of training required to work with electric lines, including: basic skills in studies of electricity, math, fundamentals of line work, transformer connections, and underground installation. In addition to training at the field location, all students are encouraged to obtain a Red Cross First Aid and a CPR card as a requirement for employment. With this certificate, students will be prepared for entry-level positions as electric line mechanics, electric line workers, or power line workers

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/wccc/programs.html>

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply principles of grammar and vocabulary in the documentation required to perform the duties of a ground man or lineman in the electrical distribution industry. (Communication Fluency)
2. Apply mathematical concepts to perform electrical formula calculations used for finding voltages, amperes, resistance, and power. (Quantitative Fluency)
3. Evaluate a situation, and determine which Standard Operating Procedure (SOP) applies to perform the job in a safe and timely manner. (Applied Learning)
4. Describe the scope and application of principle features of an electric line worker, including core practices required by the electrical distribution industry. (Critical Thinking)
5. Demonstrate familiarity with Standard Operating Procedures regarding climbing structures, replacing associated equipment, pole setting procedures, and soil recognition for underground applications. Perform all required safety procedures. (Specialized Knowledge)
6. Evaluate company policies, ethical standards and perform in a manner that is consistent to Federal and State laws. (Specialized Knowledge)

NAME: _____ **STUDENT ID #:** _____

LOCAL ADDRESS AND PHONE NUMBER: _____
 _____ () _____

I, (Signature) _____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

 Signature of Advisor Date 20__

 Signature of Department Head Date 20__

 Signature of Registrar Date 20__

DEGREE REQUIREMENTS:

- Minimum 65 semester hours total (A minimum of 16 taken at CMU in no fewer than two semesters)
- A cumulative grade point average of 2.0 or higher must be maintained for all courses taken and a "C" or better must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student's responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student's faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See the "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

ESSENTIAL LEARNING REQUIREMENTS (Minimum 15 semester Hours) See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor's degrees) cannot be used as options for the below requirements.

Course No	Title	Sem.hrs	Grade	Term/Trns
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Communication (6 semester hours)

ENGL 111	English Composition	3	_____	_____
ENGL 112	English Composition	3	_____	_____

-OR-

ENGL 111	English Composition <u>and</u>	3	_____	_____
SPCH 101	Interpersonal Communication OR	3	_____	_____
SPCH 102	Speechmaking	3	_____	_____

Mathematics: (Minimum 3 semester hours) Minimum MATH 107 Career Mathematics or higher

_____	_____	3	_____	_____
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Social Sciences, Natural Science, Fine Arts or Humanities (Minimum 6 semester hours)

_____	_____	3	_____	_____
_____	_____	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term/Trns
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WELLNESS REQUIREMENT (2 semester hours)

KINE 100	Health and Wellness	1	_____	_____
KINA 1	_____	1	_____	_____

ASSOCIATE OF APPLIED SCIENCE: COURSE REQUIREMENTS (36 semester hours)

Core Classes

ELCL 120	Fundamentals of Electricity	4	_____	_____
ELCL 125	Job Training and Safety	2	_____	_____
ELCL 131	Electrical Distrib. Theory I	4	_____	_____
ELCL 131L	Electrical Distrib.Theory I Lab	4	_____	_____
ELCL 132	Electrical Distrib. Theory II	4	_____	_____
ELCL 132L	Electrical Distrib.Theory II Lab	2	_____	_____
ELCL 137	Advanced Electrical Distrib.	2	_____	_____
ELCL 137L	Advanced Elect. Distrib. Lab	4	_____	_____
ELCL 140	Underground Procedure	4	_____	_____
ELCL 140L	Underground Procedure Lab	2	_____	_____
ELCL 145	Hotline Procedures	1	_____	_____
ELCL 145L	Hotline Procedures Lab	2	_____	_____
ELCE 124	Construction Safety	1	_____	_____

Restrictive Electives

(Choose a minimum of 12 semester hours from the list below)

_____	_____	3	_____	_____
_____	_____	3	_____	_____
_____	_____	3	_____	_____
_____	_____	3	_____	_____

Restricted Electives 12 semester hours

GEOL 103 Weather and Climate (3)
 GEOG 131 Intro to Cartography (3)
 BUGB 101 Intro to Business (3)
 BUGB 211 Business Communication (3)
 MANG 121 Human Relations in Business (3)
 OFAD 118 Intro to PC applications (3)
 OFAD 101 Office Bookkeeping (3)
 OFAD 202 Records Management (3)

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE MAJOR IN ELECTRIC LINEWORKER

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

Freshman Year

First Semester	Hour	Second Semester	Hours
MATH 107	Career Mathematics	ELCL 132	Electrical Distribution Theory II
	3		4
ELCL 120	Fundamentals of Electricity	ELCL 132L	Electrical Distribution Theory II Lab
	4		2
ELCL 125	Job Training and Safety	ELCL 137	Advanced Electrical Distribution
	2		2
ELCL 131	Electrical Distribution Theory I	ELCL 137L	Advanced Electrical Distribution Lab
	4		4
ELCL 131L	Electric Distribution Laboratory	ELCL 140	Underground Procedures
	4		4
*	Standard First Aid/CPR	ELCL 140L	Underground Procedures Lab
	--		2
	17	ELCL 145	Hotline Procedures
			1
		ELCL 145L	Hotline Procedures Lab
			2
			21

Sophomore Year

Third Semester	Hours	Fourth Semester	Hours
ENGL 111	English Composition	SPCH101	Interpersonal Communications
	3		3
Social Sciences, Natural Science, Fine Arts or Humanities	3	Social Sciences, Natural Science, Fine Arts or Humanities	3
ELCE 124	Construction Safety	Restrictive Electives	6
	1		6
Restrictive Electives	6	KINA 100	Health and Wellness
	13		1
		KINE XXX	1
			14

POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.** You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.**
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).