**2017-2018 PROGRAM REQUIREMENTS**
**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)

**Advising Process and DegreeWorks**
This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

**Graduation Process**
Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at http://www.coloradomesa.edu/registrar/graduation.html.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

**INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU/WCCC AAS degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours minimum.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 20 semester credit hours for an AAS degree.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

**PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 65 semester hours total for the AAS, Electric Line Worker.
- A minimum of 16 semester hours taken at CMU in no fewer than two semesters.
- A "C" or better must be achieved in coursework toward major content area.

**ESSENTIAL LEARNING REQUIREMENTS** (15 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**Communication** (6 semester hours)

- ☐ ENGL 111 - English Composition (3)
- ☐ Select one of the following courses:
  ENGL 112 - English Composition (3)
  SPCH 101 - Interpersonal Communication (3)
  SPCH 102 - Speechmaking (3)

**Mathematics** (3 semester hours)

- ☐ MATH 107 - Career Math (3) or higher

**Other Essential Learning Core Courses** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course (3)
- ☐ Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**AAS: ELECTRIC LINE WORKER** (48 semester hours, must earn a grade of "C" or better in each course.)

**Core Classes** (36 semester hours)

- ☐ ELCL 120 - Fundamentals of Electricity (4)
- ☐ ELCL 125 - Job Training and Safety (2)
- ☐ ELCL 131 - Electrical Distribution Theory I (4)
- ☐ ELCL 131L - Electrical Distribution Theory I Laboratory (4)
- ☐ ELCL 132 - Electrical Distribution Theory II (4)
- ☐ ELCL 132L - Electrical Distribution Theory II Laboratory (2)
- ☐ ELCL 137 - Advanced Electrical Distribution (2)
- ☐ ELCL 137L - Advanced Electrical Distribution Laboratory (4)
- ☐ ELCL 140 - Underground Procedures (4)
- ☐ ELCL 140L - Underground Procedures Laboratory (2)
- ☐ ELCL 145 - Hot Line Procedure (1)
- ☐ ELCL 145L - Hot Line Procedures Laboratory (2)
- ☐ ELCE 124 - Construction Safety (1)

**Restricted Electives** (12 semester hours)

Choose 12 semester hours from the list below.

ABUS 257 - Managing Office Technology I (3)
ABUS 101 - Budget Analysis (3)
ABUS 200 - Business Rules and Regulations (3)
GEOL 103 - Weather and Climate (3)
GEOG 131 - Introduction to Cartography (3)
BUGB 101 - Introduction to Business (3)
BUGB 211 - Business Communication (3)
MANG 121 - Human Relations in Business (3)

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

## SUGGESTED COURSE SEQUENCING

**Freshman Year, Fall Semester: 17 credits**

- MATH 107 - Career Mathematics (3)
- ELCL 120 - Fundamentals of Electricity (4)
- ELCL 125 - Job Training and Safety (2)
- ELCL 131 - Electrical Distribution Theory I (4)
- ELCL 131L - Electrical Distribution Theory I Laboratory (4)
- *Standard First Aid/CPR

**Freshman Year, Spring Semester: 21 credits**

- ELCL 132 - Electrical Distribution Theory II (4)
- ELCL 132L - Electrical Distribution Theory II Laboratory (2)
- ELCL 137 - Advanced Electrical Distribution (2)
- ELCL 137L - Advanced Electrical Distribution Laboratory (4)
- ELCL 140 - Underground Procedures (4)
- ELCL 140L - Underground Procedures Laboratory (2)
- ELCL 145 - Hot Line Procedures (1)
- ELCL 145L - Hot Line Procedures Laboratory (2)

**Sophomore Year, Fall Semester: 13 credits**

- ENGL 111 - English Composition (3)
- Social Sciences, Natural Science, Fine Arts or Humanities (3)
- ELCE 124 - Construction Safety (1)
- Restricted Electives (6)

**Sophomore Year, Spring Semester: 14 credits**

- SPCH 101 - Interpersonal Communications (3) or SPCH 102 - Speechmaking (3) or ENGL 122 - English Composition (3)
- Social Sciences, Natural Science, Fine Arts or Humanities (3)
- Restricted Electives (6)
- KINE 100 - Health and Wellness (1)
- KINA 1XX - Activity (1)