



2016 - 2017 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Construction Electrical

About This Major . . .

The A.A.S. degree in Construction Electrical is designed to prepare students for a wide range of opportunities in the Construction electrical field. The curriculum incorporates courses in building materials, estimating, planning and scheduling, installations, codes, safety, tools, calculations, and print reading. Essential Learning courses that develop supervisory skills. Career options include obtaining a position as an apprentice electrician, journeyman electrician, electrical installer, or maintenance and repair electrician.

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 construction electrician. (communication fluency)
2. Apply Mathematical concepts and practices that are required to properly calculate electrical formulas, and linear measurements. (quantitative fluency)
3. Evaluate evidence discovered during the diagnosis/troubleshooting of electrical systems and apply those findings to strategies to properly repair these systems. (critical thinking)
4. Describe the scope and application of principle features of the field of study, including core practices of a construction electrician. (applied learning)
5. Demonstrate personal and professional ethical behavior as applied to a construction electrician. (specialized knowledge)
6. Demonstrate mastery of the current terminology in the construction electrician industry. (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
Communication (6 semester hours)					
ENGL	111	English Composition	3	_____	_____
SPCH	101	Interpersonal Communication	OR 3	_____	_____

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

_____	_____	_____	3	_____	_____
Course	No	Title	Sem.hrs	Grade	Term/Trns

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

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

WELLNESS REQUIREMENT (2 semester hours)

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

ASSOCIATE OF APPLIED SCIENCE: COURSE REQUIREMENTS

(48 semester hours)

Required Classes

ELCE	100	Electrical Construction	4	_____	_____
ELCE	110	Electrical Installations I	4	_____	_____
ELCE	120	Electrical Installations II	4	_____	_____
ELCE	124	Construction Safety	1	_____	_____
ELCE	125	Electrical Principles/Appl	4	_____	_____
ELCE	130	National Electrical Code I	4	_____	_____
ELCE	135	National Electrical Code II	4	_____	_____
ELCE	144	Grounding and Bonding	1	_____	_____
ELCE	155	A/C Circuits	4	_____	_____
ELCE	169	Electrical Code Calculations	4	_____	_____
ELCE	215	Advanced Code Calculations	4	_____	_____
ELCE	217	Electrical Estimating/Costing	4	_____	_____
CONC	104	Archit/Civil Print Reading	3	_____	_____
PROS	117	Electronics I (A/C-D/C)	3	_____	_____

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE - IN CONSTRUCTION ELECTRICAL

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	Hours	Second Semester	Hours
MATH 107 Career Mathematics	3	ELCE 120 Electrical Installations II	4
ELCE 100 Electrical Construction	4	ELCE 125 Electrical Principles/Appl	4
ELCE 110 Electrical Installations I	4	ELCE 130 National Electrical Code I	4
ELCE 124 Construction Safety	1	ELCE 144 Grounding and Bonding	1
CONC 104 Archit/Civil Print Reading	3	ELCE 169 Electrical Code Calculations	4
PROS 117 Electronics I (A/C-D/C)	<u>3</u>	KINE 100 Health and Wellness	<u>1</u>
	18		18

Sophomore Year

Third Semester	Hours	Fourth Semester	Hours
ENGL 111 English Composition	3	SPCH 101 Interpersonal Communication	3
ELCE 135 National Electrical Code II	4	ELCE 215 Advanced Code Calculations	4
ELCE 155 A/C Circuits	4	ELCE 217 Electrical Estimating/Costing	4
Social Sciences, Nat Science, Fine Arts or Humanities	3	Social Sciences, Nat. Science, Fine Arts or Humanities	<u>3</u>
KINA 1XX Activity	<u>1</u>		14
	15		

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).