



2016-2017 PETITION/PROGRAM SHEET
Award: Technical Certificate
Program of Study: Construction Electrical

About This Certificate . . .

This certificate in Construction Electrical is designed to prepare students for an apprenticeship electrician opportunity in the Construction electrical field. The curriculum incorporates courses in building materials, installations, codes, safety, tools, calculations, and print reading. Career options include obtaining a position as an: apprentice electrician, or electrical installer.

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

All CMU certificate 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

Signature of Department Head

Date

Signature of Registrar

Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration. See the “Requirements for Undergraduate Degrees and Certificates” in the catalog for additional graduation information

DEGREE REQUIREMENTS:

- 2.00 cumulative GPA or higher in all coursework
- 2.00 cumulative GPA or higher in coursework toward the 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.

Required Courses (35 semester hours)

Course No	Title	Sem. Hrs	Grade	Term
MATH 107	Career Mathematics	3	_____	_____
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/App'l	4	_____	_____
ELCE 130	National Electrical Code I	4	_____	_____
ELCE 144	Grounding and Bonding	1	_____	_____
ELCE 169	Electrical Code Calculations	4	_____	_____
CONC 104	Archit/Civil Print Reading	3	_____	_____
PROS 117	Electronics I (AC/DC)	3	_____	_____

SUGGESTED COURSE SEQUENCING FOR A TECHNICAL CERTIFICATE 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.

Fall or Spring or Summer Semester

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
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	<u>4</u>
PROS 117 Electronics I (A/C-D/C)	<u>3</u>		17
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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).
6. NOTE: Students should consult the Financial Aid Office for eligibility requirements for undergraduate and graduate certificates.