



**2006 – 07 PETITION/PROGRAM SHEET**  
**Degree: Technical Certificate**  
**Major: Electric Lineworker**  
[www.mesastate.edu/wccc/line.htm](http://www.mesastate.edu/wccc/line.htm)

**About This Certificate . . .**

This program covers all areas of training 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 required to obtain a Red Cross First Aid card and a CPR card before a certificate is issued.

**POLICIES:**

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. 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. 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.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the WCCC Director of Instruction for signature.
5. Finally, the WCCC Director of Instruction or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. 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.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

**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 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 the WCCC Director of Instruction \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
Signature of Registrar \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_\_\_

- A cumulative grade point average of 2.0 or higher must be maintained for all courses taken. Must obtain a minimum of 2.00 (“C”) in each listed course, except ELCL 111 and ELCL 120.
- It is recommended that students work closely with a faculty advisor when selecting appropriate courses and scheduling classes.

**Technical Certificate: Electric Lineworker (39 Semester Hours)**

Must earn a “C” or higher in each course except ELCL 111 and ELCL 120.

<u>Course</u>	<u>No.</u>	<u>Credit</u>	<u>Grade</u>	<u>Term</u>	<u>Year</u>	<u>Trns/Subs</u>	<u>Course</u>	<u>No.</u>	<u>Credit</u>	<u>Grade</u>	<u>Term</u>	<u>Year</u>	<u>Trns/Subs</u>
ELCL	<u>111</u>	<u>5</u>	_____	_____	_____	_____	ELCL	<u>137</u>	<u>2</u>	_____	_____	_____	_____
ELCL	<u>120</u>	<u>5</u>	_____	_____	_____	_____	ELCL	<u>137L</u>	<u>4</u>	_____	_____	_____	_____
ELCL	<u>131</u>	<u>4</u>	_____	_____	_____	_____	ELCL	<u>140</u>	<u>4</u>	_____	_____	_____	_____
ELCL	<u>132</u>	<u>4</u>	_____	_____	_____	_____	ELCL	<u>140L</u>	<u>2</u>	_____	_____	_____	_____
ELCL	<u>132L</u>	<u>2</u>	_____	_____	_____	_____	ELCL	<u>145</u>	<u>1</u>	_____	_____	_____	_____
ELCL	<u>136L</u>	<u>4</u>	_____	_____	_____	_____	ELCL	<u>145L</u>	<u>2</u>	_____	_____	_____	_____

**Technical Certificate: Electric Lineworker Course Requirements (39 Semester Hours)**

**Required Courses:**

- ELCL 111 Mathematical Basic Electricity
- ELCL 120 Fundamentals of Electricity
- ELCL 131 Electrical Distribution Theory I
- ELCL 132 Electrical Distribution Theory II
- ELCL 132L Electrical Distribution Theory II Laboratory
- ELCL 136L Related Fundamentals I Laboratory
- ELCL 137 Related Fundamentals II
- ELCL 137L Related Fundamentals II Laboratory
- ELCL 140 Underground Procedure
- ELCL 140L Underground Procedure Laboratory
- ELCL 145 Hotline Procedures
- ELCL 145L Hotline Procedures Laboratory

## SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A 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 their advisor and check the 2 year course matrix on the Mesa State website for course availability.

<b>First Semester</b>			<b>Second Semester</b>		
		<b>Hours</b>			<b>Hours</b>
ELCL 111	Mathematical Basic Electricity	5	ELCL 132	Electrical Distribution Theory II	4
ELCL 120	Fundamentals of Electricity	5	ELCL 132L	Electrical Distribution Theory II Lab	2
ELCL 131	Electrical Distribution Theory I	4	ELCL 137	Related Fundamentals II	2
ELCL 136L	Related Fundamentals I Laboratory	4	ELCL 137L	Related Fundamentals II Lab	4
*	Standard First Aid/CPR	--	ELCL 140	Underground Procedures	4
		18	ELCL 140L	Underground Procedures Lab	2
			ELCL 145	Hotline Procedures	1
			ELCL 145L	Hotline Procedures Lab	<u>2</u>
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**\*Special Requirements and Recommendations:**

- a. Students will be required to have current First Aid **and** CPR certification before they successfully complete the requirements of this program. This may be achieved by any of the following: (1) holding current cards; (2) obtaining American Red Cross "Standard" or "Advanced" rating **and** American Heart Association or equivalent certification, or (3) successfully completing KINE/HPWA 265 offered by Mesa State College.
- b. Summer and/or Fall Semester: ELCL 199, Internship (6 semester hours, 640 contact hours) is required for any students selected to participate in the Western Area Power Administration (WAPA) on-the-job training program. This portion is not a part of the program approved for VA benefits.
- c. Additional expenses – Students will be required to purchase or have approximately \$700.00 in tools and personal equipment. This does not include required textbooks or an adequate pair of work boots. These costs may vary with student needs and brand or quality of tools or equipment purchased. All safety glasses must meet the minimum industry safety standard of Z-87 with side shields.