

Utility Lineman Technology
Poplarville Campus
and
Woodall Technology Center, Hattiesburg

The Utility Lineman Technology Program is a modular program designed to prepare workers for electrical power transmission and distribution industry. Students can pursue a two year associate in applied science degree or a certificate of proficiency.

The need for skilled electrical utility workers in South Mississippi and the United States is expanding. Department of Labor statistics project over the next 5-10 years, this industry stands to lose more than half of its workforce from workers retiring. The average pay on a line crew ranges from \$12-\$30 per hour depending on job responsibilities, personal abilities, and experience.

Admission Requirements:

Applicants for Utility Lineman Technology must have the following documents submitted:

1. PRCC Application for Admission;
2. An official transcript from an accredited high school indicating date of graduation or GED transcript indicating passing;
3. Official transcript from every college attended (if applicable);
4. ACT scores.

For more information contact:

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UTILITY LINEMAN TECHNOLOGY
Associate in Applied Science
Poplarville
and
Woodall Technology Center, Hattiesburg

Utility Lineman Technology teaches students basic lineman/cableman skills needed in the utilities field.

FALL		SEMESTER HOURS
ELT 1192	Fundamentals of Electricity	2
ELT 1133	National Electric Safety Code (NESC)	3
ELT 1144	AC /DC Circuits	4
ULT 1213	Climbing in Elevated Work Site (Pole Climbing)	3
DTV 1114	Commercial Truck Driving I **	4
SPRING		
ULT 2133	Overhead Construction	3
ULT 2143	Underground Construction	3
ELT 1213	Electrical Power	3
ELT 2913	Special Projects	3
CEV 1426	Equipment Operation II	6
SUMMER		
ULT 2233	System Design and Operation	3
ULT 2244	Working in Elevated Work Sites	4
GIT 2123	Fundamental of GIS	3
ELT 2926	Supervised Work Experience	6
Exit Point for Certificate of Proficiency		
Total Semester Hours: 50		
FALL		
_____	Social/Behavioral Science Elective	3
_____	Math/Science Elective	3
ENG 1113	English Composition I	3
_____	Humanities/Fine Art Elective	3
SPT 1113	Public Speaking I	3
Total Semester Hours: 65		

** Student must have a valid Class A Commercial Driving License or Permit and a current MDOT (MS Department of Transportation) card -- physical and drug test before enrolling in this course.

UTILITY LINEMAN TECHNOLOGY (ULT)

1213 Climbing in Elevated Work Sites (Pole Climbing). (3)

Fundamental skills associated with work practices related to pole climbing. Includes safety, basic tools, equipment, and general knowledge needed to properly climb and work on wooden poles off of hooks. At the completion of this course the student should be able to demonstrate proficiency in climbing skills as they relate to a certified climber. One lecture and four hours lab per week.

2133 Overhead Construction. (3) Prerequisites: ULT 1213 or permission of instructor

Instruction and practice in safe installation, maintenance and troubleshooting of overhead electrical distribution (O.H.) lines. This course encompasses terminology and line diagrams associated with (O.H.). This course is a continuation of skills developed in previous subject areas. Introduction to the use and maintenance of specialized tools used in (O.H.) construction. One lecture and four lab hours per week.

2143 Underground Construction. (3) Prerequisites: ULT 1213 or permission of instructor

Introduces the student to the skills necessary to safely install, maintain, and troubleshoot underground electrical distribution systems. This course will also teach terminology for construction and maintenance techniques used in underground applications. One lecture and four lab hours per week.

2233 System Design and Operation. (3) Prerequisites: ULT 1213 or permission of instructor

This is a course in the layout, staking, load calculations, and interpretation of diagrammatic information. Symbols associated with utility electrical distribution will be emphasized during this course. One lecture and four lab hours per week.

2244 Working in Elevated Work Sites. (4) Prerequisites: ULT 1213 or permission of instructor

This course will teach new and reinforce existing techniques and equipment used in elevated work sites. Safety will be emphasized as a major concern when working at elevated heights. This course will simulate live work. One lecture and six lab hours per week.

ELECTRICITY TECHNOLOGY (ELT)

1192 Fundamentals of Electricity. (2)

Fundamental skills associated with all electrical courses. Safety, basic tools, special tools, equipment, and introduction to simple AC and DC circuits. At the completion of this course the student should be able to demonstrate a working knowledge of the basic electrical concepts as it pertains to electrical utility work. One lecture and two hours lab per week.

1133 National Electric Safety Code (NESC). (3)

This is a course in the layout, format, rules, and regulations set forth in the National Electric Safety Code. Emphasis is placed on developing the student's ability to find information in the National Electric Safety Code and apply that information in real world applications. At the completion of this course the student should be able to demonstrate the ability to find, interpret, and apply information found in the NESC. Two lecture and two lab hours per week.

1144 AC and DC Circuits. (4) Pre/Corequisite: ELT 1192

A continuation of Fundamentals of Electricity. Principles and theories associated with AC and DC circuits used in the electrical trades. Includes the study of electrical circuits, laws and formulas, and the use of test equipment to analyze AC and DC circuits. At the completion of this course the student should be able to describe the properties of electricity and demonstrate proper methods of measuring, identifying, testing, and troubleshooting different types of electrical circuits. Three lecture and two lab hours per week.

1213 Electric Power. (3)

Electrical motors, Transformer Banks, and Sectionalizing (troubleshooting). Instruction and practice in using the different types of motors, transformers, alternators, and sectionalizing equipment. At the completion of this course the student should be able to demonstrate a working knowledge of entire distribution electrical system, banking theory, the installation of banks and meters, and sectionalizing (troubleshooting). Two lecture and two hours lab per week.

2913 Special Projects in Utility Lineman Technology. (3) Prerequisite: Permission of instructor

Practical application of skills and knowledge gained in other technical courses. The instructor works closely with the student to insure that the selection of a project will enhance the student's learning experience. At the completion of this course the student should be able to demonstrate a working knowledge of the project which will be chosen by the instructor. Eight lab hours per week.

2926 Supervised Work Experience in Utility Lineman Technology. (6)

Prerequisite: Permission of instructor and completion of at least one semester of advanced course work in utility lineman coursework.

A cooperative program between industry and education and is designed to integrate the student's technical studies with industrial experience. At the completion of this course the Apprentice Linemen should be able to demonstrate the ability to follow both written and verbal instruction and perform task associated with Utility Lineman work. Credit is awarded on the basis of semester hours per 45 industrial contact hours.