

ELECTRIC LINE TECHNOLOGY

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HIGH-QUALITY
WORKFORCE**



SOUTHERN MISSOURI TECHNICAL INSTITUTE

*Training in Career and
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ELECTRIC LINE TECHNOLOGY

ABOUT THE PROGRAM

Electric Line Technology serves to train the student with the appropriate safety and occupational skills necessary for employment as an entry-level lineman. The student will be prepared in the proper way to safely climb poles, inspect, set-up, and operate industry vehicles, remove and replace distribution equipment, and install a transformer in a live-line situation. Employment Requirements: While each employer and specific position will have their own expectations (such as high school completion, drug testing, background checks, experience in the field, lifting ability, etc.), this program's graduates may also be required to have a Commercial Driver License and CPR certification.

Schedule



Electric Line Technology is a twelve month (1,175 clock hour) program. The January to December program holds class Monday through Thursday from 3:00 p.m. - 9:30 p.m. Occasionally, Fridays may be utilized for special circumstances. Schedule is subject to change.

Curriculum



Level 1 - Power Line Worker Safety, Introduction to Electrical Circuits, Introduction to Electrical Theory, Climbing Wooden Poles, Climbing Structures Other Than Wood, Tools of the Trade, Aerial Framing and Associated Hardware, Utility Service Equipment, Rigging, Setting and Pulling Poles, Trenching, Excavating, and Boring Equipment, Introduction to Electrical Test Equipment

Level 2 - Alternating Current and Three-Phase Systems, Aerial Distribution Equipment, Cable and Conductor, Installation and Removal, Underground Residential Distribution, Overhead and URD Service Installations, Distribution Line Maintenance

Level 3 - Introduction to Substations, Live-Line Work, Three-Phase URD Systems, System Protection and Monitoring, Troubleshooting, Introduction to Smart Grids, Fundamentals of Crew Leadership

SOUTHERN MISSOURI TECHNICAL INSTITUTE WILL ISSUE A CERTIFICATE OF COMPLETION WHEN THE STUDENT GRADUATES FROM THIS PROGRAM.