

Power Line Technologies 2024-2025

Short Course Description:	This program provides training for students who wish to prepare for jobs in the power line field. A combination of lab and classroom activities provides the experience and knowledge to help you gain an entry-level position in this growing career field. This course blends curriculum prepared by National Center for Construction Education and Research (NCCER), American Electric Power (AEP), OSHA, NEC and our professional trades instructors					
Certifications Offered:	<ul style="list-style-type: none"> ● AEP D-100 Series ● AEP D-200 Series ● AEP D-300 Series ● Class A Unrestricted CDL ● Mid-East Safety Certificate: <ul style="list-style-type: none"> ○ OSHA 30 ○ American Safety and Health Institute First Aid/CPR/AED ○ Industrial Forklift Training Certificate 					
Start Date:	July 30, 2024					
End Date:	May 22, 2025					
Hours/Days:	Monday – Thursday, 4:30 – 10:00 pm (5.5 hours/day)					
Program Hours:	900					
Instructional Weeks:	42					
Book/Laptop Cost:	\$774	Supplies:		\$2,880		
Tuition:	\$13,600	Fees:		\$1,025		
Total Program Cost:	\$18,279					
Additional program requirements not included in tuition:	Driver's Abstract \$10.00, CDL Permit - \$28.50, CDL License - \$43.50					
Entrance Requirements:	Provide copy of high school or GED transcript, Driver Abstract, and valid driver's license. Prospective enrollees must complete a field assessment administered by the Power Line course instructors. Students must also complete all financial aid arrangements for payment of tuition, fees, books and supplies. After start of class, students will receive their DOT physical and must successfully complete a drug screen—negative results allow student to remain in class. Must have valid driver's license.					
WorkKeys – required/not required:	Required					
WorkKeys Score Levels:	Workplace Documents	3	Graphic Literacy	3	Applied Math	3
Graduation Rate:	94%					
Job Placement Rate:	90%					
Program Completion Requirements:	<ul style="list-style-type: none"> ● A “C” average or higher ● Attendance rate not less than 90% ● Payment of all outstanding obligations to the school ● Current resume on file with Student Services ● Stafford Loan Exit Counseling complete (if applicable) 					

Power Line Technologies Course Outline

<p>D100 Series AEP Curriculum</p>	<p>System Overview, Safety Policy and Personal Responsibility, Job Requirements and Expectations, Guides and Reference Sources, Personal Protective Equipment, Selection of Body Belt and Climbers, Sharpen Gaffs, Stretching and Flexibility, Butt Test a Wood Pole, Learn to Climb a Pole, Basic Knots and Splices, Use of Handline, Identify Pole Line Material, Identify Conductor Material, Identify Transformer Material, Chain Saw Operation, Identify Specialty Tools, Insulating Protective Equipment, Pulling Tools, Set Up Ladders, Barricade Digger- Derrick and Bucket Truck, Bucket Truck Rescue, Firefighting, Smith Defensive Driving</p>
<p>D200 Series AEP Curriculum</p>	<p>Effective Job Safety Briefing, Pole Climbing, Identify Circuits, Low Voltage Test Equipment, Make Up and Install Outdoor Lights, Install Cross Arm, Install Equipment for 3 Phase Transformer Bank, Adjust Crimping Tools, Identify and Use Different Types of Cutters, Splice Conductor On Ground, Splice Overhead Service Cable, Operate Truck Mounted Winch and Auxiliary Capstan, Install and Operate Capstan Hoist, Pole Top Rescue, Position and Operate Bucket Truck, Qualified Observer, Bucket Truck Rescue, Set Up and Operate Digger-Derrick, Load and Unload Poles, Identify and Install Anchors, Operate Mechanical or Hydraulic Pole Puller, Identify URD Materials and Equipment, Select and Install Wire Grip, Operate Hydraulic Tools, Read KWH Meter, Spill Response and Cleanup,</p>
<p>D300 Series AEP Curriculum</p>	<p>Safety First, Pole Climbing, Basic Electricity, High Voltage Detectors, Install Grounds on Distribution Line, Cover Secondary, Install Overhead Service, Install Socket Meters, Install and Tag Direct Burial Cable, Install Pedestal and Make Service Connections, Use Secondary Fault-Finding Equipment, Splice URD Service, Patrol Lines for Damage, Dog Bite Prevention, Teamwork Skills,</p>
<p>CDL Class A Unrestricted</p>	<p>Classroom, Backing Range, Road –Driving Skills</p>
<p>AEP Rigging</p>	<p>Advanced Rigging Technologies, testing and certification</p>
<p>Energized Conductors</p>	<p>Line workplace simulations, hot sticking and safety concerns</p>

Power Line Technologies Hour Breakdown

Course	Theory	Lab	Total Hours
AEP D-100	50	190	240
AEP D-200	40	220	260
AEP D-300	53	177	230.0
Class A Unrestricted CDL	36	44	80
OSHA 30 Hour General Industry	30	0	30
First Aid CPR	10	0	10
AEP Rigging Class	5	5	10
Energized Conductors	7	33	40
Total	231	669	900