

DISTRIBUTION TECHNICIAN TRAINING provides training to help your team minimize maintenance downtime and get equipment running again quickly after an outage. The training focuses on the processes and equipment distribution technicians work with every day and makes sure they understand how to keep themselves and their coworkers safe.

Qualified Electric Worker

140-01	General Concepts and Job Briefings
140-02	Enclosed Spaces
140-09	Electrical Clearances
140-11	Mechanical Equipment
140-18	Dog Bite Prevention

Electrical Transmission and Distribution

Distribution Systems

301-02	Electrical Distribution System Fundamentals
301-03	Primary and Secondary Distribution Systems
301-04	Distribution System Components and Application
301-05	Characteristics of Distribution Switchgear
301-06	Ohm's Law, Energy Formulas, Basic Concepts Circuits
301-08	Single- and Poly-Phase Metering

Electrical Maintenance

Direct Current (DC)

401-01	Electron Theory
401-02	Magnetism and Electromagnetism Explained
401-03	Ohm's and Kirchoff's Laws Relating to DC Circuits
401-04	Evaluating Series and Parallel DC Circuit Performance
401-05	Determine Circuit Outputs from Specified Inputs

Alternating Current (AC)

402-01	Introduction to Alternating Current (AC)
402-02	Ohm's and Kirchoff's Laws Involving AC Circuits
402-03	Inductance in AC Circuits
402-04	Capacitance in AC Circuits
402-05	Impedance in AC Circuits
402-06	AC Power
402-07	Fundamentals of Three-Phase AC

Power Quality

405-01	Power Quality
405-02	Harmonics
405-03	High Voltage AC

Industrial Motors

409-01	AC Induction Motors
409-02	AC Generators
409-03	AC Induction Motor Theory
409-04	Troubleshooting AC Induction Motors
409-05	AC Induction Motor Maintenance
409-06	Overhauling Induction Motors
409-07	Generator System Heat Protection
409-08	Generator Overhaul
409-09	DC Motors and Generators
409-10	Maintenance of Direct Current Motors and Generators

Motor Control and Protection

411-01	Introduction to Motor Controls
411-02	Motor Protection and Faults
411-03	Motor Control Troubleshooting
411-04	Motor Control Centers

AC Drives

413-01	AC Drives Overview
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Transformers

415-01	Transformer Basics
415-02	Transformer Design and Components
415-03	Transformer Connections
415-04	Special Transformers

Batteries, Battery Chargers, and UPS

416-01	Battery Basics
416-02	Electrical Backup Systems
416-03	Uninterruptible Power Supplies (UPS)

Switchgear Maintenance

417-01	Switchgear
417-02	Low Voltage Breakers
417-03	Medium and High Voltage Switchgear
417-04	General Switchgear Maintenance
417-05	Breaker Specific Maintenance
417-06	Circuit Breaker Time-Travel Characteristics and Testing

Electrical Protection and Grounding

418-01	Electrical Faults and Current Ratings
418-02	Overcurrent Protection, Fuses, and Breakers
418-03	Protection Relays
418-04	Generator, Transformer, and Motor Protection
418-05	Grounding and Bonding

Motor Operated Valves

419-01	MOV (Motor Operated Valve) Application and Construction
419-02	MOV Disassembly and Inspection, Part 1
419-03	MOV Disassembly and Inspection, Part 2
419-04	Limit Switch Adjustment

Wiring Installations

421-01	Wire and Cable Management
421-02	Terminating and Connecting Wires in a Control Panel
421-03	Making Connections in a Junction Box
421-04	Installing Conduit and Pulling Wire

Cable Splicing

423-01	Introduction to Medium Voltage Cable
423-02	Medium Voltage Splices and Terminators

Troubleshooting Electrical Circuits

425-01	Troubleshooting AC Circuits
425-02	Troubleshooting DC Circuits

Freeze Protection

427-01	Electrical Freeze Protection Components and Application
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Distribution Operations Overview

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301-38	Overhead and Underground Facilities
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