Online Training RELIABILITY MATTERS



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Qualified Electrical Workers – Utility

Courses to meet OSHA 1910.269 Standard



✓ Required ★ May Be Required Depending on Worker Tasks

Required * May Be Required Depending on Worker Tasks		G		$\left(\begin{array}{c} Q \end{array} \right)$	
NFPA 70E (Arc Flash) 2024	1	\checkmark	~	\sim	
Introduction to OSHA	101-70	\checkmark	\checkmark	\checkmark	
Portable Power and Hand Tool Safety	102-03	\checkmark	\checkmark	\checkmark	
Lockout/Tagout	105-01	\checkmark	\checkmark	\checkmark	
Electrical Safety	107-01	\checkmark	\checkmark	\checkmark	
Energized Electrical Equipment Safety	107-02	\checkmark	\checkmark	\checkmark	
Arc Flash Hazard Basics	107-03	\checkmark	\checkmark	\checkmark	
General Concepts and Job Briefings	140-01	\checkmark	\checkmark	\checkmark	
Enclosed Spaces	140-04	\checkmark	\checkmark	\checkmark	
Electrical Clearances	140-09	\checkmark	~	~	
Industrial Math: Measurements and Calculations	170-02	*	*	*	
Industrial Math: Fractions, Percentages, and Ratios	170-03	*	*	*	
AC Induction Motors	409-01	\checkmark			
Transformer Design and Components	415-02	\checkmark	\checkmark	\checkmark	
Transformer Connections	415-03	\checkmark	\checkmark	\checkmark	
Medium and High Voltage Switchgear	417-03	\checkmark	\checkmark	\checkmark	
General Switchgear Maintenance	417-04	\checkmark	\checkmark	\checkmark	
Breaker Specific Maintenance	417-05	\checkmark	\checkmark	\checkmark	
Electrical Faults and Current Ratings	418-01	\checkmark	\checkmark	\checkmark	
Overcurrent Protection, Fuses, and Breakers	418-02	~	~	~	
Wire and Cable Management	421-01	\checkmark	\checkmark	\checkmark	
Making Connections in a Junction Box	421-03	\checkmark	~	\checkmark	
Medium Voltage Splices and Terminations	423-02	~	~	~	

Required * May Be Required Depending on V	Vorker Tasks	Cer .	Itan,	Dist	Line
Fuses and Circuit Breakers	560-03	\checkmark			
Protective Relays and Instrument Transformers	560-04	\checkmark			
Multimeter	605-01	\checkmark	\sim	\checkmark	
ntroduction to Engineering Drawings	611-01	\checkmark	\checkmark	\checkmark	
Electrical Drawings	611-03	\checkmark	\sim	\checkmark	
Communications Facilities		*	*	*	\checkmark
Excavations		*	*	*	\checkmark
Grounding		*	*	*	\checkmark
Hand and Portable Power Tools		*	*	*	\checkmark
Hazardous Energy Control Procedures		*	*	*	\checkmark
Ladders, Platforms, Step Bolts, and Manhole Steps		*	*	*	~
Line-Clearance Tree Trimming		*	*	*	\checkmark
Medical Services and First Aid		*	*	*	\sim
Overhead Lines		*	*	*	\checkmark
Overhead Lines with Live-Line Bare-Hand Work		*	*	*	\checkmark
Personal Protective Equipment		*	*	*	\checkmark
Power Generation		*	*	*	\checkmark
Special Conditions and Material Handling		*	*	*	\checkmark
Substations		*	*	*	\checkmark
Testing and Test Facilities		*	*	*	~
Underground Electrical Installations		*	*	*	\checkmark
Vault and Pole-Top Rescue		*	*	*	~
Working On or Near Exposed Energized Parts		*	*	*	~

Electrical Theory

These courses provide a foundation for workers who do not have an electrical background.

Electron Theory	401-01
Magnetism and Electromagnetism Explained	401-02
Ohm's and Kirchhoff's Laws Relating to DC Circuits	401-03
Evaluating Series and Parallel DC Circuit Performance	401-04
Determine Circuit Outputs from Specified Inputs	401-05
Introduction to Alternating Current (AC)	402-01
Ohm's and Kirchhoff's Laws Involving AC Circuits	402-02
Fundamentals of Three-Phase AC	402-07
Transformer Basics	415-01

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