

Qualified Electrical Worker (QEW) Training

OSHA 1910.331 – 1910.335

NFPA 70E

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Course Overview

This comprehensive training equips the participants with the essential knowledge and skills to safely perform electrical work on, or near energized equipment. Designed for qualified electrical workers, the course emphasizes hazard recognition, risk assessment, and safe work practices to prevent electrical incidents such as shock, arc flash, and arc blast. It aligns fully with OSHA electrical safety-related work practices (29 CFR 1910.331–1910.335) and the latest NFPA 70E Standard for Electrical Safety in the Workplace, providing practical guidance for establishing electrically safe working conditions and implementing protective measures.

Key Learning Objectives

- Recognize electrical hazards including shock, arc flash, and arc blast
- Perform risk assessments and apply the hierarchy of risk controls
- Establish and verify electrically safe working conditions
- Determine safe approach boundaries and select appropriate PPE
- Understand energized work permits and justified energized work procedures
- Comply with lockout/tagout and maintenance requirements
- Respond effectively to electrical emergencies

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Course Details

Course Code: ELEC-QEW-102

Prerequisites: Basic understanding of electrical systems and equipment operation. Prior experience in electrical work is recommended, as participants must demonstrate skills in construction and operation of electrical installations to qualify under NFPA 70E definitions.

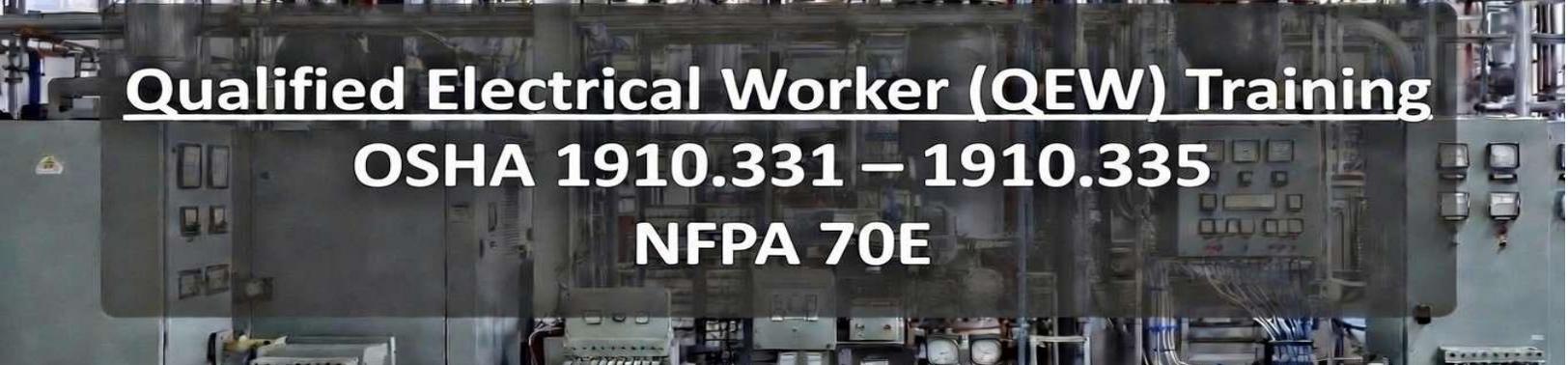
Format: Instructor-Led & Field-Focused

Duration: 16 hours (2 full days) for initial training; 8 hours for refresher

Certification: Upon successful completion (including knowledge assessment and skills demonstration), participants receive a Certificate of Completion valid for 3 years. Retraining is required every 3 years or when job tasks change, new hazards emerge, or compliance issues are observed.

Target Audience: Maintenance personnel, mechanics, workers performing troubleshooting, installation, or maintenance on energized systems ≥ 50 volts, supervisors, and safety professionals, and anyone overseeing electrical work

Compliance: Aligns with OSHA 29 CFR 1910.331–1910.335 (Electrical Safety-Related Work Practices) and NFPA 70E (Standard for Electrical Safety in the Workplace, latest edition)



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Why Take This Course?

Hydrogen sulfide is one of the leading causes of workplace gas inhalation deaths. Proper training saves lives by enabling early detection and safe response. This course meets or exceeds standards such as ANSI/ASSE Z390.1 and is widely accepted in the oil & gas sector.

Enroll today to enhance your electrical safety expertise and protect yourself and your team from preventable hazards.

* Contact us for scheduling or customized group training options at info@renewsafety.com