Electrical power distribution safety training
Electrical Engineering Services & Systems

Earn CEUs while learning the fundamentals of equipment safety and analysis

Electrical safety, power quality, electrical analysis, OSHA and NFPA 70E hands-on training conducted by qualified engineers who perform thousands of power systems, power quality and arc flash analyses each year, as well as sit on IEEE and other industry boards to help develop safety standards. Because our training is conducted by the same engineers who perform power systems, power quality and arc-flash analysis, you gain the most up-to-date information and learn the latest techniques.

Register or request a course

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Course length and available CEUs/PDHs vary.

Seminar location(s):

Eaton PSEC Warrendale, PA

Eaton PSEC Houston, TX

Or at your site

Cost varies by course

Note: Means of payment must be specified at the time of request. Reservations for training must be complete at least one month prior to scheduled date.

World-class training facilities

Located in Warrendale, PA and Houston, TX, our market-specific demonstration centers empower training attendees to experience products within a solution-based application. With applications that step attendees through the power management process from generation all the way down to the receptacle, Eaton's Experience Centers focus on "pulling back the curtain" to provide an opportunity to see the impact of projects from a broad perspective and dive into operation of products, understanding the design, technology and installation practices of a product within that applicationt.

General or customized training at your site

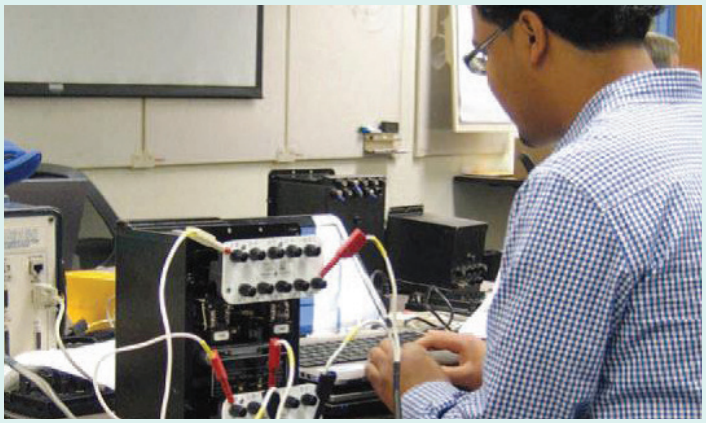
Need customized training? Would like to train a group of employees at your site? Eaton also delivers training on site for you and those people of your organization who maintain and manage your electrical power distribution systems.

Experienced instructors

Eaton's training team includes authors of IEEE technical publications, an average of 15+ years' experience in power distribution equipment startup and maintenance and power system analysis. Eaton's training offers CEUs and PDHs as well as being certified through the Community College of Allegheny, Pittsburgh, PA for professional continuing education training.

Eaton has one of the largest and most experienced teams of power system engineers and field service professionals in the industry. We provide engineering, preventative maintenance, repairs and consulting services for systems ranging from low-voltage to over 345kV, focus on understanding customer requirements and develop strategies for ever-changing business needs.

EATON
Powering Business Worldwide



Standard courses include:

Safety Training for Qualified Electrical Workers

This course provides workers exposed to electrical hazards with the knowledge and skill sets for electrical safe work practices, lockout/tagout, shock and arc flash hazard assessments, and job hazard analysis as required by OSHA and NFPA 70E. More importantly it provides employees with the skills necessary to maintain a safe work environment and return home safely employing both traditional classroom instruction and hands on-demonstrations of safe work practices. Skill demonstrations and lab exercises include donning PPE, checking for the absence of voltage, creating and executing a LOTO procedure, grounding and establishing an Electrically Safe Work Condition.

Industrial Power Systems Analysis I

Upon completion, you will be able to recognize the several forms of power system single-line diagrams, calculate short-circuit current, and evaluate the application of power circuit breakers and power fuses.

Industrial Power Systems Analysis II

At the end of the course you will be able to calculate short-circuit current and evaluate the application of power circuit breakers and power fuses.

Basic Electrical Testing and Switchgear

Learn the fundamentals of basic electrical testing required for startup, commissioning and preventative maintenance. You will perform hands-on testing including insulation resistance, primary resistance and secondary injection testing along with verifying operation of zone selective interlocking, maintenance mode and switchgear mechanical interlocks.

Low Voltage Motor Controllers and Motor Control Centers

In this course, you will learn the fundamentals of motors, motor controls centers, starters, UL and NEC requirements. Attendees will perform hands on activities including design and construction of combination starters along with troubleshooting of inserted faults.

Protective Relay Testing

This course is for maintenance technicians, electricians, engineers or any others who are responsible for maintaining a safe and reliable electrical power distribution system in an industrial or commercial facility.

Transformer Startup & Maintenance

Designed for electrical and maintenance personnel who are responsible for power transformers, general operating principles and construction characteristics of power transformers are covered along with testing for common styles. Startup and maintenance of liquid immersed, and dry type are included with hands on training.

Eaton Drawing Reading and Usage

This is a fundamental requirement for engineers whose career path involves understanding power distribution equipment construction and system application.

Power Quality and Monitoring

Designed for engineers and technicians who want to know how to identify, analyze and correct power quality problems in industrial and commercial power systems.

Custom classes include topics such as:

- **Low Voltage panelboards, Switchboards, motor control centers, and switchgear**
- **Medium Voltage Switchgear and Motor Starters**
- **Transformers**
- **Uninterruptable Power Supplies**
- **Automatic Transfer Switches**
- **Protective Relays**

For more information, visit:
Eaton.com/electricaltraining

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