

Craft Skills

Electrical Safety for Qualified
Electrical Personnel



Course Number

FND-035

Course Purpose

This is an in depth electrical safety course that covers electrical safety including LOTO and arc flash that meets the training requirements specified in OSHA 1910 and NFPA 70E.

Upon completion of this course, the participants will be able to do the following:

- Describe general safety hazards and precautions associated with electrical systems
- Describe electrical tool and equipment safety
- Define voltage level conventions for electrical systems
- Describe electrical system lockout/tagout requirements
- Identify the requirements for working on energized equipment
- Given a scenario, describe the requirements associated with arc flash protection
- Given a scenario, discuss the proper use of personal protective equipment
- Describe the proper use of electrical protective rubber goods
- Explain the requirements for protective grounding
- Describe the electrical safety requirements associated with fuses
- Describe the electrical safety requirements associated with switchgear and circuit breakers
- Describe the electrical safety requirements for batteries and DC systems

COURSE AGENDA

DAY 1

- Listing Applicable policies and regulations
- Defining a Qualified Person
- Following General Safety Precautions
- Describing the Voltage Level Convention
- Applying Tool and Equipment Safety
- Controlling Hazardous Energy
- Working on Energized Equipment
- Following the Requirements of 1910.269(1)
- Following the Requirements of 1910.33

DAY TWO

- Utilizing Arc Flash Protection
- Using and Maintaining Personal Protective Equipment
- Applying Protective Grounding
- Changing Fuses
- Operating Switchgear and Circuit Breakers
- Listing Compliance Guidance

LOCATION: Kendall Electric, 6233 Airpark Dr.,
Chattanooga, TN 37421

PHONE: 423.698.4471

DATE: February 15 & 16, 2022

COST: \$1900.00

CLASS ID: 53072

PLEASE NOTE: In an effort to provide you with instructor-led training opportunities during the COVID-19 pandemic, Kendall Electric will follow all CDC, OSHA, State and Local guidelines to maintain a safe environment for our customers.

WHO SHOULD ATTEND

This course is recommended for qualified electrical personnel and appropriate for non-technical students requiring safety awareness.

PREREQUISITES

To successfully complete this course, the following prerequisites are required:

- None

STUDENT MATERIALS

To enhance and facilitate the students' learning experiences, the following materials are provided as part of the course package:

- Student Manual, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises

NEXT LEARNING LEVEL

Once you have mastered the skills covered in this course, you may want to attend specific training, such as:

- Basic Electrical Concepts (Course Number EMS-100)

COURSE LENGTH





This is a two-day course.

TO REGISTER

Please register online at kendallelectric.com/training or contact Connie Duncan at 865.544.4496 or connie.duncan@kendallelectric.com. Lunch, snacks & beverages are provided.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

To be respectful of the environment, Rockwell Automation is transitioning some of its training courses to a paperless format. Students are asked to complete downloads and bring personal devices to these classes. A full list of digital/paperless courses is currently available through your local distributor.

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AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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