

Electrical Safety for Qualified Personnel

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: FND-035

COURSE MODULES & TOPICS

Objectives

- 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

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course

Next Level Learning

- Basic Electrical Concepts course (EMS-100)

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 2

- Using arc flash protection
- Using and maintaining personal protective equipment
- Applying protective grounding
- Changing fuses
- Operating switchgear and circuit breakers
- Listing compliance guidance