

# ELECTRICAL STANDARDS FOR INDUSTRIAL MACHINERY

**COURSE #: IMW79**

**8**  
CEUs

## COURSE PURPOSE

This course gives students an understanding of NFPA-70, NFPA-79 and NFPA-70E standards for industrial machinery and control panels. This will teach students about proper wiring methods, motors, overcurrent protection, power supply disconnecting, grounding, control circuits, functions and devices, operator interface, panel labeling and safe work practices.

## WHAT YOU WILL LEARN

- How important industrial machinery terms are defined
- How NEMA classifies degrees of protection
- How industrial panels and components are wired
- How to disconnect power supplies
- What types of motors are used in industrial control systems
- What devices are needed for overcurrent protection
- How industrial control circuits work
- What devices are used for industrial control

## COURSE SYLLABUS

- Definitions
- General operating conditions
- Electrical installations – degrees of protection
- Wiring methods
- Motors
- Overcurrent protection
- Power supply disconnecting means
- Grounding
- Control circuits and control functions
- Operator interface and control devices
- Article 400 (and Tables): Flexible Cords and Cables
- Practice Problems

## COURSE LENGTH



One day

## WHO SHOULD ATTEND?



Electrical workers who build, install and/or maintain industrial machinery and control panels should take this course.

## REGISTRATION INFORMATION



[www.vanmeterinc.com/events](http://www.vanmeterinc.com/events)



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