NFPA 79 Electrical Standard for Industrial Machinery (2024 Edition)

NTT Training
A DIVISION OF ECPI UNIVERSITY

The NFPA 79 (2024) course delivers essential training on the latest electrical safety and compliance requirements for industrial machinery operating at 1000 volts or less. With updates aligned to NFPA 70, NFPA 70E, and NFPA 70B, participants gain practical knowledge to design, install, and maintain compliant systems—reducing downtime, preventing costly violations, and improving workforce safety.

This course is designed for organizations seeking to ensure that equipment meets current standards and passes inspections.

WHAT THIS COURSE COVERS

- Purpose, Scope, and Application of NFPA 79 (2024 Edition)
- Relationship to NFPA 70, NFPA 70E, and NFPA 70B
- Disconnecting Means, Supply Circuits, and Overcurrent Protection
- Grounding, Bonding, and Safety-related Control Systems
- Conductor Sizing, Wiring Methods, and Control Panel Design
- Operator Interface, Control Devices, and Signage Requirements
- Technical Documentation, Testing, Motors, and Servo Drives

COURSE OUTCOMES

- Ensure compliance with NFPA 79 (2024) requirements
- Improve equipment and personnel safety through proper grounding and protection
- Extend equipment life via updated wiring and overcurrent practices
- Reduce downtime with correct labeling and disconnect procedures
- Minimize risk of electrical faults, injuries, and property damage
- Increase inspection pass rates with adherence to SCCR and SPD standards

WHO SHOULD TAKE THIS

- Industrial and Maintenance Electricians
- Controls and Automation Technicians
- Plant and Electrical Engineers
- Machine Designers and Integrators
- Safety Coordinators and Electrical Inspectors

COURSE FEATURES

- Instructor-led Review of NFPA 79 (2024) Updates
- Pre- and Post Assessments to Measure Competency
- Interactive Q&A Sessions

Consider these courses: *NFPA 70E – Electrical Safety in the Workplace and Electrical Troubleshooting and Preventive Maintenance; and NFPA 70B – Standard for Electrical Equipment Maintenance.*

☑ Lecture ☐ Hands-on • **ONSITE**: 2-days (16 hours) • **LIVE ONLINE**: 2-days