

## Electrical Level 4 (continued)

### Advanced Controls (20 Hours)

ISBN 978-0-13-828919-5

(Module ID 26407-23) Discusses applications and operating principles of various control system components, such as solid-state relays, reduced-voltage starters, and adjustable-frequency drives. Covers basic troubleshooting procedures.

### HVAC Controls (15 Hours)

ISBN 978-0-13-828921-8

(Module ID 26408-23) Provides a basic overview of HVAC systems and their controls. Also covers electrical troubleshooting and NEC® requirements.

### Heat Tracing and Freeze Protection (10 Hours)

ISBN 978-0-13-828924-9

(Module ID 26409-23) Presents heat-tracing and freeze-protection systems along with various applications and installation requirements.

### Motor Operation and Maintenance (10 Hours)

ISBN 978-0-13-828926-3

(Module ID 26410-23) Covers motor care procedures, including cleaning, testing, and preventive maintenance. Describes basic troubleshooting procedures.

### Medium-Voltage Terminations/Splices (10 Hours)

ISBN 978-0-13-828927-0

(Module ID 26411-23) Identifies types of medium-voltage cable and describes how to make various splices and terminations. Covers hi-pot testing.

### Special Locations (20 Hours)

ISBN 978-0-13-828928-7

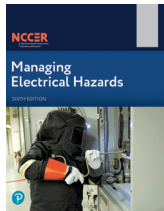
(Module ID 26412-23) Describes the NEC® requirements for selecting and installing equipment, enclosures, and devices for special locations that require unique attention. Locations include places of public assembly, theaters, carnivals, agricultural and livestock facilities, marinas, swimming pools, and temporary facilities.

### Introduction to Leadership (22.5 Hours)

ISBN 978-0-13-828931-7

(Module ID 46100) (Lockdown) Introduces leadership skills and different leadership styles, as well as communication and problem solving techniques. Jobsite safety and safety leadership are also discussed. Introduces business topics that are important to understand for construction projects.

## Managing Electrical Hazards



12.5 Hours  
Revised: 2024, Sixth Edition  
Module ID 26501-24

PAPERBACK

Trainee Guide: \$39.99

ISBN

978-0-13-831869-7

- A copy of NFPA 70E®, *Standard for Electrical Safety in the Workplace*, 2024 Edition, is required material for this course. To order, contact NFPA at [www.nfpa.org](http://www.nfpa.org) or 1-800-344-3555.

Describes how to assess and eliminate shock, arc blast, and arc flash hazards using the practical safe working requirements detailed in NFPA 70E: *Standard for Electrical Safety in the Workplace*®. Where it is not possible to eliminate a hazard, an energized electrical work permit must be completed, and workers must be protected by appropriate safety procedures and personal protective equipment.

## Advanced Electrical Topics

Much of the technology in emerging fields—such as wireless, integrated, and voice and data systems—has evolved greatly since the publication of *Advanced Electrical Topics Volumes One and Two*. Because of this, NCCER and Pearson suggest that those teaching a five-year electrical apprenticeship program use the following compilation of modules drawn from EST and Instrumentation.

Trainee Guide: \$109.99 ISBN 978-0-13-606502-9

Cable Selection	33208-10
Wire and Cable Terminations	33209-10
CCTV Systems	33410-12
Access Control Systems	33411-12
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Broadband Systems	33403-12
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Intrusion Detection Systems	33407-12
Audio Systems	33401-12
Overview of Nurse Call and Signaling Systems	33409-12