



RELATED INSTRUCTION OUTLINE OF THE
ELECTRICAL CURRICULUM
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(8th Edition/NEC Revision)

ELECTRICAL LEVEL 4			
Module #	Module Name	Module Objectives	Perf. Profile
1	26401-14 <i>Load Calculations</i>	Describes basic calculation procedures and calculations for commercial and residential applications	No
2	26402-14 <i>Health Care Facilities</i>	Covers the installation of electric circuits in health care facilities, including the requirements for life safety and critical circuits.	No
3	26403-14 <i>Standby and Emergency Systems</i>	Explains the NEC installation requirements for electrical generators and storage batteries.	No
4	26404-14 <i>Basic Electronic Theory</i>	Explains the function and operation of basic electronic devices, including semiconductors, diodes, rectifiers, and transistors.	Yes
5	26405-14 <i>Fire Alarm Systems</i>	Covers fire alarm control units, Digital Alarm Communicator Systems (DACs), wiring for alarm initiating and notification devices, and alarm system maintenance.	Yes
6	26406-14 <i>Specialty Transformers</i>	Covers various types of transformers and their applications, as well as information on selecting, sizing, and installing these devices.	Yes
7	26407-14 <i>Advanced Controls</i>	Discusses applications and operating principles of solid-state controls, reduced-voltage starters, and adjustable frequency drives, as well as troubleshooting procedures.	Yes
8	26408-14 <i>HVAC Controls</i>	Provides a basic overview of HVAC systems and their controls. Electrical troubleshooting and NEC requirements are emphasized.	Yes
9	26409-14 <i>Heat Tracing and Freeze Protection</i>	Covers various heat tracing systems along with their applications and installation requirements.	Yes
10	26410-14 <i>Motor Operations and Maintenance</i>	Covers motor cleaning, testing, and preventive maintenance. Also describes basic troubleshooting procedures.	No
11	26411-14 <i>Medium-Voltage Terminations and Splices</i>	Offers an overview of the NEC and cable manufacturers' requirements for medium-voltage terminations and splices.	Yes
12	26412-14 <i>Special Locations</i>	Describes the NEC requirements for selecting and installing equipment, enclosures, and devices in various special locations including places of assembly, theaters, carnivals, agricultural buildings, marinas, temp installations, wired partitions, and	No

		swimming pools.	
13	46101-11 <i>Fundamentals of Crew Leadership</i>	Covers basic leadership skills and explains different leadership styles, communication, delegating, and problem solving. Job-site safety and the crew leader's roles in safety are also discussed. Explains details and procedures for project planning, scheduling, and estimating.	Yes