



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

ELECTRICAL LEVEL 1			
Module #	Module Name	Module Objectives	Perf. Profile
1	26101-14 <i>Orientation to the Electrical Trade</i>	Provides an overview of the electrical trade and discusses the career paths available to electricians.	No
2	26102-14 <i>Electrical Safety</i>	Covers safety rules and regulations for electricians. Teaches the necessary precautions to take for various electrical hazards found on the job. Also covers the OSHA-mandated lockout/tagout procedure.	Yes
3	26103-14 <i>Introduction to Electrical Circuits</i>	Describes general introduction to the electrical concepts used in Ohm's law applied to the DC series circuits. Includes atomic theory, electromotive force, resistance, and electric power equations.	No
4	26104-14 <i>Electrical Theory</i>	Introduces series, parallel, and series-parallel circuits. Covers resistive circuits, Kirchhoff's voltage and current laws, and circuit analysis.	No
5	26105-14 <i>Introduction to the National Electrical Code</i>	Provides a navigational road map for using the NEC. Introduces the layout of the NEC and the types of information found within the code book. Allows trainees to practice finding information using an easy-to-follow procedure.	Yes
6	26106-14 <i>Device Boxes</i>	Covers the hardware and systems used by an electrician to mount and support boxes, receptacles, and other electrical components. Covers NEC fill and pull requirements for device, pull, and junction boxes under 100 cubic inches.	Yes
7	26107-14 <i>Hand Bending</i>	Introduces trainees to conduit bending and installation. Covers the techniques for using hand-operated and step conduit benders, as well as cutting, reaming and threading conduit.	Yes
8	26108-14 <i>Raceways and Fittings</i>	Introduces types and applications of raceways, wireways, and ducts. Stresses the appropriate NEC requirements.	Yes
9	26109-14 <i>Conductors and Cables</i>	Focuses on the types and applications of conductors and covers proper wiring techniques. Also stresses the appropriate NEC requirements.	Yes
10	26110-14 <i>Basic Electrical Construction Drawings</i>	Focuses on electrical prints, drawings, and symbols. Teaches the types of information that can be found on schematics, one-lines, and wiring diagrams.	Yes
11	26111-14 <i>Residential Electrical Services</i>	Covers the electrical devices and wiring techniques common to residential construction and maintenance. Allows trainees to practice making service calculations. Stresses appropriate NEC requirements.	Yes
12	26112-14 <i>Electrical Test Equipment</i>	Focuses on proper selection, inspection, and use of common electrical test equipment, including voltage testers, clamp-on ammeters, ohmmeters, multimeters, phase/motor rotation testers, and data recording equipment. Also covers basic safety and explains category ratings.	Yes