



**RELATED INSTRUCTION OUTLINE OF THE
ELECTRICAL CURRICULUM**

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ELECTRICAL LEVEL 1			
Module #	Module Name	Module Objectives	Perf. Profile
1	26101-17 <i>Orientation to the Electrical Trade</i>	Provides an overview of the electrical trade and discusses the career paths available to electricians.	No
2	26102-17 <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	26103-17 <i>Introduction to Electrical Circuits</i>	Introduces electrical concepts used in Ohm's law applied to DC series circuits. Covers atomic theory, electromotive force, resistance, and electric power equations.	No
4	26104-17 <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	26105-17 <i>Introduction to the National Electrical Code</i>	Provides a road map for using the NEC®. Introduces the layout and the types of information found within the code book. Allows trainees to practice finding information using an easy-to-follow procedure.	Yes
6	26106-17 <i>Device Boxes</i>	Covers the hardware and systems used by an electrician to mount and support boxes, receptacles, and other electrical components. Also covers NEC® fill and pull requirements for device, pull, and junction boxes under 100 cubic inches.	Yes
7	26107-17 <i>Hand Bending</i>	Introduces 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	26108-17 <i>Raceways and Fittings</i>	Introduces the types and applications of raceways, wireways, and ducts. Stresses the applicable NEC® requirements.	Yes
9	26109-17 <i>Conductors and Cables</i>	Focuses on the types and applications of conductors and covers proper wiring techniques. Stresses the applicable NEC® requirements.	Yes
10	26110-17 <i>Basic Electrical Construction Drawings</i>	Describes electrical prints, drawings, and symbols, and the types of information that can be found on schematics, one-lines, and wiring diagrams.	Yes
11	26111-17 <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 the applicable NEC® requirements.	Yes
12	26112-17 <i>Electrical Test Equipment</i>	Covers 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 safety precautions and meter category ratings.	Yes