



**RELATED INSTRUCTION OUTLINE OF THE
ELECTRICAL CURRICULUM
ISBN-13: 978-0-13-518506-3
9th Edition/NEC Revision)**

ELECTRICAL LEVEL 3			
Module #	Module Name	Module Objectives	Perf. Profile
1	26301-17 <i>Load Calculations</i>	Explains how to calculate branch circuit and feeder loads for various residential and commercial applications.	No
2	26302-17 <i>Conductor Selection and Calculations</i>	Covers the various factors involved in conductor selection, including insulation types, current carrying capacity, temperature ratings, and voltage drop.	No
3	26303-17 <i>Practical Applications of Lighting</i>	Covers specific types of incandescent, fluorescent, and HID lamps, as well as ballasts, trouble-shooting, and various types of lighting controls.	Yes
4	26304-17 <i>Hazardous Locations</i>	Introduces the National Electrical Code (NEC) requirements and installation procedures related to electrical equipment installed in various hazardous locations.	Yes
5	26305-17 <i>Overcurrent Protection</i>	Explains how to size and select circuit breakers and fuses for various applications. Also covers short circuit calculations and troubleshooting.	No
6	26306-17 <i>Distribution Equipment</i>	Discusses switchboards and switchgear, including installation, grounding, and maintenance requirements. Module includes blueprints.	No
7	26307-17 <i>Transformers</i>	Discusses transformer types, construction, connections, protection, and grounding.	No
8	26308-17 <i>Commercial Electrical Services</i>	Covers the components, installation considerations, and NEC requirements for various commercial services.	No
9	26309-17 <i>Motor Calculations</i>	Covers calculations required to size conductors and overcurrent protection for motor applications.	No
10	26310-17 <i>Voice, Data, and Video</i>	Covers installation, termination, and testing of various voice, data, and video cabling systems.	No
11	26311-17 <i>Motor Controls</i>	Provides information on selecting, sizing, and installing motor controllers. Also cover control circuit pilot devices and basic relay logic.	Yes