



"Helping jurisdictions
build safer
communities"©

Commercial Electrical Inspector

4 day ---24 hours (2.4 CEU's)

Registration 7:30
Class starts 8:00

Cost 495.00

Classes are limited in size

CEU Approvals ---ICC, SC #002-11-05, TN

Course Objective: This class picks up where the residential electrical class left off—Commercial Electrical deals a lot with three phase and different voltages in buildings. It is the objective of this class to help the inspector better understand basic commercial electrical terminology, as well as the effects of voltage drop and transformers.

Method of Evaluation: Through a series of pre and post progress test and reviews, the instructor will help the student better understand how to interpret the code correctly and avoid common mistakes in the field. A workbook, films, and pictures let the student see how related tables and sections interact, and how to incorporate them into field inspections.

Suggested Pre-requisite: ICC Residential Electrical Inspector

<p style="text-align: center;"><u>Day 1</u></p> <ul style="list-style-type: none"> ➤ Pre- Quiz and Review ➤ 1Φ phase vs 3 Φ phase current ➤ Basic electrical installations ➤ Ohms Laws review ➤ Design of the system <p style="text-align: center;"><u>Day 2</u></p> <ul style="list-style-type: none"> • Progress quiz & review • Wire identification and sizing • Grounding and bonding • Raceways identification and locations • Box Fill • Pipe Fill 	<p style="text-align: center;"><u>Day 3</u></p> <ul style="list-style-type: none"> • Progress quiz & review • <i>Hazardous Locations</i> • <i>Generators</i> • <i>Hospitals</i> • <i>Assemblies</i> • <i>Class 2 Circuits</i> • <i>Commercial Load Calculations</i> <p style="text-align: center;"><u>Day 4</u></p> <ul style="list-style-type: none"> • NEC Special Conditions (5,6,7)
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There is an online quiz the student can take at no additional cost after the class

Bring the following items to class

<p style="text-align: center;">Books Needed</p> <p>NFPA-70 (National Electric Code) Building Code 2011 Ugly's Electrical References</p>	<p style="text-align: center;">Materials Needed</p> <ul style="list-style-type: none"> • Highlighters –2 colors • Calculator • <i>England Enterprises will supply a workbook</i>
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If you need further assistance [www. ibcode.net](http://www.ibcode.net) or call **(843) 747-3575**

Revised 12/11