



## **Residential Electrical Inspector Class**

Approved for 1.8 CEU's (18 hours)

3 Day Class

**Course Objective:** To prepare inspectors for the ICC Residential Electrical Inspector exam. This course is designed to cover Chapters 34 - 43 of the International Residential Code. Topics include General Electrical Requirements, Services, Branch Circuit and Feeder Requirements, Wiring Methods, Power and Distribution Lighting, Appliance Installation, Swimming Pools, and many more.

At completion of this class and successful completion of the Residential Electrical Inspector Exam, the Inspector shall be able to inspect Electrical features in one-and-two family dwellings, townhouses not more than three stories in height, and accessory structures.

### **Agenda:**

#### **Day 1**

- Quiz and Review
- Administration/Definitions
- General Services
- Service Size and Rating
- Grounding Electrode Conductor Sizing
- System Grounding
- Branch Circuits
- Feeders
- Panelboards

**Day 2:**

- Quiz and Review
- Wiring Above Ground Installation
- Wiring Underground Installation
- Receptacle Outlets
- Ground-Fault and Arc-Fault Circuit-Interrupter
- Lighting Outlets
- Boxes, Conduit Bodies and Fittings
- Cabinets and Panelboards
- Equipment Grounding

**Day 3:**

- Switches
- Receptacles
- Luminaires
- Track Lighting
- Appliance Installation
- Flexible Cords
- Swimming Pools
- Class 2 Remote-Control, Signaling and Power-Limited Circuits

**Materials Needed for Class**

- 2018 International Residential Code
- Highlighters
- Calculator