



Residential Wiring

Presented by
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Residential Wiring per the National Electrical Code, Continuing Education Courses

Credit Hours: 4 Hours

12:30

- I. Applicable Codes/Standards
 - RCO
 - NFPA 70
 - NFPA 72
- II. Article 334 , Type NM Cable
 - Uses Permitted/Not Permitted
 - Exposed Work
 - Accessible Attics
 - Bending Radius
 - Securing and Supporting
 - Ampacity
- III. Article 210.52, Dwelling Unit Receptacle Outlets
 - General
 - Small Appliance
 - Countertops
 - Bathrooms
 - Outdoors
 - Laundry
 - Basements and Garages
 - Hallways
- IV. Article 406, Receptacles
 - Installed in Countertops
 - Installed in Wet or Damp Locations
 - Bathtub and Shower Spaces
 - Floor Receptacles
 - Required Tamper Resistant
- V. Article 210.70, Dwelling Unity Lighting Outlets Required
 - Habitable Rooms
 - Garages, Hallways, Stairways
 - Storage Spaces
- VI. Article 410, Light Fixtures
 - Clothes Closets
 - Wet and Damp Locations
 - Bathtub and Shower Areas
- VII. Article 404, Switches and Bathtub and Shower Spaces
 - Maximum Permitted Height
 - Grounding
- VIII. Article 210.11, Branch Circuits Required
 - Minimum Number of Branch Circuits
 - Small Appliance Branch Circuits
 - Laundry Branch Circuits
 - Bathroom Branch Circuits

2:30 – 2:40 Break

IX. Article 314, Outlet, Device, Pull, and Junction Boxes

- Box Fill Calculations
- Boxes in Wall or Ceilings
- Drywall/Plaster Repair around Boxes
- Box Support
- Boxes for Luminaries
- Box Accessibility

X. Article 110.26, Spaces About Electrical Equipment

- Depth of Working Space
- Width of Working Space
- Height of working Space
- Illumination for Working Space
- Headroom for Working Space
- Dedicated Equipment Space

XI. Article 210.12, Arch Fault Circuit-Interrupter Protection

XII. Article 210.8A, Ground Fault Circuit Interrupter Protection for Personnel

- Bathrooms
- Garages
- Outdoors
- Crawl Spaces
- Unfinished Basements
- Kitchens
- Laundry, Utility, and Wet Bar Sinks

XIII. Article 408, Panel-Boards

- Circuit Directory
- Over-Current Protection
- Back-Fed Devices
- Grounded Conductor Terminations

4:40

All classes taught will be based upon NFPA 70, 2014 National Electrical Code, Reference material to be supplied by the students attending.