

IEC's Electrical Apprenticeship Program

1st Year Course Outline



Mid-South Independent
Electrical Contractors, Inc.

Orientation Electricity Principles	Laundry Outlets/Residential Multiple Lamp Circuits and Receptacles
Hand Tools/Blueprint Processes/Safety/ Assessment Inventories	Garage Circuits/Parallel Circuit Calculations
First Aid/CPR/AED	Rec. Rooms, Workshops and Circuit Efficiency
Math Principles	Water Pumps + Heaters and Power Sources/Parallel Circuits Lab
Electrical Symbols + Outlets/Circuit Theory	Kitchen Outlets Series/Parallel Circuits
Lighting & Appliance Circuits	Special Purpose Outlets
Conductors/Wiring and Basic Circuits	Heating Systems
Switch Control/Receptacle Bonding and Ohm's Law	Television, Telephone & Low Voltage Systems
Ground Fault Protection	Lamp Identification/Low Voltage Lighting
Luminaries Fixtures	Fire Alarm + Security Systems
Bedroom Lighting and Series Circuits	Knots and Rigging
Lighting Bathrooms & Hallways Basic Measurement Lab	Conduit Bending
Entryway Wiring & Math Review	Service Equipment
Kitchen Circuits/Series Circuits Lab	Swimming Pools, Spas and Hot Tubs
Living Room/Study Lighting Residential Circuit Switches and Controls	



Mid-South Independent Electrical Contractors

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