

Electrical Wiring Maintenance



For additional information contact:
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 317-545-7071

AC/C TECH
 4415 Forest Manor Ave
 Indianapolis, IN 46226-3080

Check our website for course schedules
www.acctech.us

Program Design

The Electrical Wiring Maintenance program, which is 100% web-based, is designed to help students develop technical knowledge and skills related to the installation, repair, and maintenance of residential electrical systems. Students will learn how to diagnose and repair duplex receptacles, wall switches, lighting fixtures, 110-volt special purpose circuits, 220-volt range and dryer circuits, fire and smoke detector circuits, low voltage doorbell circuits, and more. Students will also learn how to correctly install junction boxes, subpanels, and/or a main breaker panel. In addition, students will learn how to interpret electrical drawings, diagrams, and schematics. Emphasis will be placed on making repairs in safe, efficient and productive manners.

This program consists of two courses and one workshop. When computed, the lessons consist of 128 hours of specialized technical training.

Graduates will be awarded a Technical Certificate in Electrical Wiring Maintenance.

Course	Date	Day	Time	Location
1. ELE101 - General Wiring Maintenance	TBD - Check Website	On-Demand	On-Demand	Online
2. ELE102 - Advanced Wiring Maintenance	TBD - Check Website	On-Demand	On-Demand	Online
3. ELE103 - Aluminum Wiring (workshop)	TBD - Check Website	On-Demand	On-Demand	Online
Cost: \$250/Course or \$575.00 to attend the entire program				

This institution is authorized by:
 The Indiana Commission for Higher Education/
 The Indiana Board for Proprietary Education
 101 West Ohio Street, Suite 670
 Indianapolis, IN 46204-1984
 (317)464-4400 Ext.138 or (317)464-4400 Ext.141

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Course Descriptions - Electrical Wiring Maintenance

ELE101 - General Wiring Maintenance

Electrical maintenance involves troubleshooting and repairing electrical problems inside the residence. Students will learn how to correctly install duplex receptacles, wall switches, lighting fixtures, duplex receptacles, GFCI's, AFCI's, fire and smoke detectors, 110 volt special purpose circuits, 220 volt range and dryer circuits, low voltage doorbell circuits, and more. The students will also learn basic principles of electricity, NEC codes, VOM and Amp meter usage, and safety hints.

ELE102 - Advanced Wiring Maintenance

This course develops skills in maintaining junction boxes, subpanels, and/or a main breaker panel. Also covered are ceiling fan installations, unique lighting plans in clubhouses, lighting plans exterior to the building, and electrical requirements at swimming pools. Also, the students will learn to interpret electrical drawings and schematic wiring diagrams. NOTE: Students are encouraged to bring their residential or communities electrical drawings to class for analyzing.

ELE103 - Aluminum Wiring Maintenance (Workshop)

This program is designed to help students understand how to maintain aluminum wiring branch circuits in accordance with applicable building codes. This program covers procedures that will promote awareness to unsafe conditions, connection failure warning signs, routine inspections, and proper maintenance techniques. Emphasis will be placed on making repairs in a safe, efficient and productive manner.

Tuition and Fees	
Tuition 2 Courses @ \$250 Each 1 Workshop @ \$75.00	\$575.00
Required Books 2017 National Electrical Code by NFPA ISBN: 978-145591277-3 (SB Print) or ISBN: 978-145591278-0 (LL Print) Electrical Wiring Residential by Ray C. Mullin - 18th Edition Based on the 2017 NEC	\$118.95 \$80.00
Required General Tools Plastic Tool Box with Lock, 25 Ft. Tape Measure, 16 oz Hammer, Utility (Box) Knife, 15" Utility Bar, Phillips & Standard Screw Driver Set, 6 in 1 Screw Driver, 12" Adjustable Wrench, 12" Channel Locks, 10" Slip Joint Pliers, 10" Vise Grips, Torpedo Level, 8@ Needle Nose Pliers, 8@ Lineman Pliers, Wire Strippers, Wire Rippers & Gauge, GFI Receptacle Tester, 6" Drywall Taping Knife, and Hand Sander or Sanding block.	\$218.43
Required Specialty Tools VOM Meter - fused protected	\$65.00
Required Safety Equipment Cloth Gloves, Eye Protection and Dust Masks	\$10.52
Uniforms – Recommended	\$160.00
Total Cost	\$1,227.90