

Electrical Systems Troubleshooting

This course covers basic safety practices for voltages up to 600 volts and knowledge of voltage, current and power in AC and DC circuits; circuit analysis of series and parallel loads; and basic understanding of resistors, capacitors and inductors. It applies these fundamentals to simple applications that would be found in residential, light commercial and simple industrial use. Candidates should be able to interpret and troubleshoot circuits used for lighting, across-the-line, three-phase motor starting, and simple relay logic with devices such as control transformers, fuses & circuit breakers, pushbuttons & selector switches, pilot lights & alarm devices, solenoids, three-phase motor starters, motor overloads, limit switches and combinations of control relays to perform basic logic functions. Candidates should be familiar with simple wiring practices for using these devices and with component level troubleshooting of these devices. At the end of the program, students will take the PMMI Industrial Electricity Level 1 Certificate test.

Competencies covered in this course include:

- Electrical Schematics
- Industrial Wiring
- Basic Circuits
- Voltage and Current
- Non-invasive Troubleshooting of Electrical Systems
- Power Protection Circuits
- AC and DC Motors and Drives
- Switches and Encoders
- Sensors and Safety Systems
- Panel-level Troubleshooting

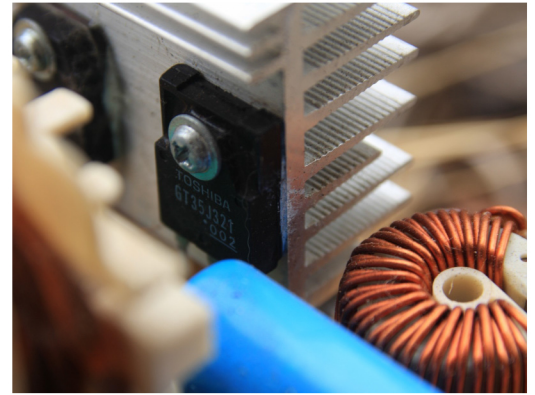
Fee: \$1,520

Location: Daytona State College
Advanced Technology College, Rm. 233
1770 Technology Blvd.
Daytona Beach

Registration: To register, contact Joanne at (386) 506-4224 or ParkerJ@DaytonaState.edu. We accept checks, credit cards (MasterCard, VISA), purchase orders or company billing for payment.

Register today!

This is a hands-on course; seating is very limited.

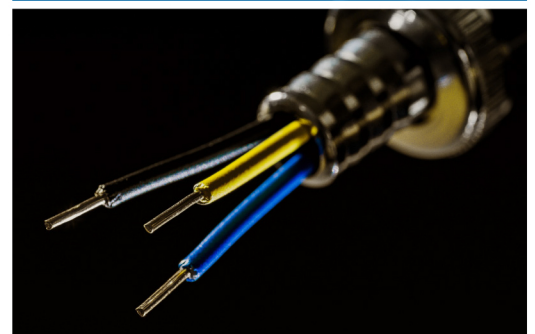


Starts: April 28, 2015

Ends: May 1, 2015

Days: Tuesday – Friday

Time: 8 a.m.-5 p.m.



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