



## **Electronics Circuit Refresher and Troubleshooting CGTCECRT101**

### **Course Description**

The Electronics Circuit Refresher and Troubleshooting course provides 40 hours of theory and hands-on troubleshooting.

Prerequisite: None

Instructor to student ratio: 1:10

Course length: 40 hours

### **Training Syllabus: Electronics Circuit Refresher and Troubleshooting (CGTCECRT101)**

- Multimeter Measurements
- Basic DC Circuits
  - Series Ckt
  - Parallel Ckt
  - Series-Parallel Ckt
- Complex DC Circuits
- AC Test Equipment
  - Oscilloscope
  - Frequency Generator
  - Freq. Counter
- Schematic Reading
- RL Circuits
- RC Circuits
- RC Time Constants & Transients
- RLC Ckt
- Resonant Ckt
- Transformers
- Relays & Switches Ckt
- Limiter Clamper Ckt
- Transister Amplifiers
  - Common-Emitter Ckt
  - Common-Collector Ckt
  - Common-Base Ckt
- Power Supply & Voltage Regulator Ckt
- Multistage Amplifier
- FET Amplifier
- Sine Wave Osc.
- Non-Sine Wave Osc.
- Multivibrator



- Schmitt Trigger
- SCR Trigger Ckt
- Operational Amplifiers
- Digital Logic Ckt
- Combinational Logic Ckts
- Flip-Flop Ckts
- Register and Memory Ckts
- Arithmetic and Counting Ckt
- D\A Conversion Ckt
- Troubleshooting Digital Systems
- On-Base Continuum