



**Gulf Coast Training Institute (GCTI)**  
**219 West Defee Ave.**  
**Baytown, TX 77520**  
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# Electrical Controls and Troubleshooting

**Cost:** \$4160 per person

**Location:** GCTI and other potential locations

**Meals provided:** breakfast & lunch

**Description:**

The Electrical Controls and Troubleshooting course will cover safety first, then OSHA Requirements regarding troubleshooting and qualified persons. Then, the following topics are addressed: Start/Stop Circuits, HOA (Hand Off Automatic) Wiring, Permissive and Interlock Circuits, Relay Logic vs PLC Logic, Transformer Wiring, and Wiring Schematics. The course will then describe using electrical drawings for troubleshooting and using electrical meters to perform circuit measurements. Finally, the course will cover how to develop a logical, systematic approach to troubleshooting.

**Length:** 4 day course

***8 day course available. Contact GCTI for details.***

**Time:** 9:00 AM - 4:30 PM

**Specific topics covered:**

- Safety First
- OSHA Requirements Regarding Troubleshooting and Qualified Persons
- Start/Stop Circuit
- HOA (Hand Off Automatic) Wiring
- Permissive and Interlock Circuits
- Relay Logic vs PLC Logic
- Transformer Wiring
- Wiring Schematics
- Using Electrical Drawings for Troubleshooting
- Using Electrical Meters to Perform Circuit Measurements
- Developing a Logical, Systematic Approach to Troubleshooting

**2026 Course offerings (all times are 9:00 a.m. to 4:30 p.m.):**

July 27<sup>th</sup> – 30<sup>th</sup>

Aug. 17<sup>th</sup> – 20<sup>th</sup>

Oct. 12<sup>th</sup> – 15<sup>th</sup>

Nov. 30<sup>th</sup> – Dec. 3<sup>rd</sup>

**To register, visit [www.gctitraining.com](http://www.gctitraining.com) and click on the Register Today button.**