

## Programmable Logic Controllers– 5 Day

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This course introduces the fundamental topics of programmable controllers and their use in automated systems. The instructor guided information along with hands-on activities allow participants to immediately utilize the newly developed skills. Topic coverage will prepare participants to navigate software, establish communications, go online with a project, identify programming components and utilize programming to identify faulty components.

### Participants in this course will learn methods and skills such as:

- Operation of a PLC
- Memory Organization and addressing
- Discrete I/O Interfacing
- Function and Use of Monitoring Devices
- Basic PLC Logic Instructions
- PLC Timer and Counter Instructions
- Basic PLC Motor control applications
- Basic PLC Sequencing Applications
- Basic PLC Machine Application
- Troubleshooting PLC Based Systems
- Troubleshooting PLC Hardware and Software
- PLC Hardware
- Memory Organization
- Numbering Systems
- Establishing Communications
- I/O Configuration
- I/O Wiring
- I/O Addressing and Tags
- Relay Instructions
- Timer Instructions

### Who Should Attend:

Anyone needing to install, maintain, or troubleshoot automated process control containing programmable controllers.

**Time:** 8am-5pm

**Fee:** \$1520/ Person

\*Cost includes optional PLC Level 1 PMMI certification exam

### Location:

Polk State College  
310 Technology Drive  
Bartow FL 33830

### Inquiries:

Advanced Manufacturing Institute  
Sam Hale or Toni Lauters  
[ami@polk.edu](mailto:ami@polk.edu)



POLK STATE  
Corporate College

Clear Springs Advanced Technology Center  
310 Technology Drive, Bartow, FL 33830

[polk.edu/corporate](http://polk.edu/corporate)

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