



### WHY ATTEND?

Using hands on demonstrations in the PLC training, we frame the challenging world of automation and Programmable Logic Controllers (PLCs) into practical, down to earth lessons that are simple and easy to understand. Students will learn to comprehend the PLC language, read and interpret PLC ladder logic, troubleshoot PLC programs and fix the most common PLC problems on their own. Curriculum will also cover communications between PLCs, SCADA, DCS, and devices in the field.

The materials and Hands-on Labs are not brand specific and are focused on general PLC concepts and best practices. The PLC training is beneficial no matter the brand of controller attendees use.

NEW!! Students can either choose to attend online or in-class. Because the PLC Trainer kit is included with the class, Hands-on labs are identical for both in-classroom or virtual training students. For remote attendees, we will ship the PLC trainer to your requested destination.

### COURSE OVERVIEW:

- History of The PLC
- Ladder Logic Structure
- Functions and Instructions
- Ladder Logic Programming Best Practices and Techniques
- Communications Overview
- Hands-On Projects
- Examples of Field Issues and Solutions
- Discuss real-world field issues and solutions

### PREREQUISITES:

- Students must have a Laptop with the ability to install software and drivers to participate in the Hands-On Labs
- It is required that Virtual Attendees have a quality internet connection. Students may benefit from a Webcam and dual monitors (see both the Trainer's and their own screen while doing labs)

### ALL ATTENDEES WILL RECEIVE:

- PLC Trainer Kit that includes a PLC with I/O, Modbus RTU communications, pilot devices for simulation, Communication Cable, and Software
- Access to online training sources after the class so each attendee can get the most out of their new PLC Trainer Kit

**FOR MORE INFORMATION VISIT OUR WEBSITE OR CONTACT  
OUR CUSTOMER EXPERIENCE COORDINATOR, EMILY JONES**