

Programmable Controllers

Level I – Introduction to PLC's

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.



- PLC Hardware
- Memory Organization
- Numbering Systems
- Establishing Communications
- I/O Configuration
- I/O Wiring
- I/O Addressing and Tags
- Relay Instructions
- Timer Instructions
- Counter Instructions
- Comparison Instructions
- Math Instructions



Available PLC Platforms

- AB MicroLogix/SLC using RSLogix500
- AB CompactLogix using Studio500
- Siemens S7-1200 using TIA Portal
- Omron CP1 using CXOne
- Schneider M340 using Unity Pro
- Others available upon request



Course Length: 4 Days

Prerequisites: No prerequisites however an understanding of electrical control devices is recommended.

Recommended Participants: Anyone needing to install, maintain or troubleshoot automated process containing programmable controllers.

For more information contact us at www.intktrain.com