

Advanced Programmable Logic Controllers

This course teaches the student how to use the Allen Bradley software to edit, document, maintain, and troubleshoot the Allen Bradley PLC. The course is consist of 1 day lecture and 2 days hands on training.

I. Basic Programmable Controller Review

- PLC Components
- PLC Addressing
- PLC Ladder Logic Basics

II. Configuring “Smart” Modules (Functional Overview)

- Analog Input Modules
- Analog Output Modules
- Thermocouple Modules

III. PLC Communications

- Communications on the Data Highway +
- Communication via the ethernet port
- Communication with PLC's in Adapter mode

IV. Advanced Searching

- Searching across ladders
- Searching for “Strings”
- Searching for symbols

V. Online Troubleshooting

- Using forces
- Using the AFI Command
- Diagnostic Tools