

Programmable Logic Controllers

This five-day course provides participants with hands-on instruction on the setup, operation, and maintenance of PLCs. The course uses the Allen Bradley PLC-5 to demonstrate the installation, programming, maintenance, and troubleshooting of PLCs. The class consists of 1½ days of classroom instruction and 3½ days hands-on.

I. Introduction to PLCs

- PLC Overview
- Number Systems Review

II. PLC Hardware

- Power Supply
- Input/Output Modules
- Processor Module

III. PLC Software

- PLC Languages
- PLC Software to Hardware Correlation

IV. Allen Bradley PLC-5

- Hardware
- Input/Output Modules
- Processor Module
- Universal Chassis
- Addressing
- Software to Hardware Correlation
- Industrial Terminals
- Allen-Bradley 6200 Series Software
- Processor Functions
- Force
- Search

V. Maintenance and Troubleshooting

- System Troubleshooting
- I/O Troubleshooting
- Program Troubleshooting

VI. SLC-100

- Hardware
- Programming

