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

VI. SLC-100
    - Hardware
    - Programming

V. Maintenance and Troubleshooting
   - System Troubleshooting
   - I/O Troubleshooting
   - Program Troubleshooting