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Level 2 PLC (Programmable Logic Controllers) Basic Programming

Course Description: This course begins by reviewing fundamentals of programming using PLC simulation software. The focus of the course then shifts to writing programs using RSLogix or other PLC programming software used by the student in their work environment. The course culminates with having students load programs into the PLC CPU's, wire them to interfaces on A-Frame training equipment, and debug problems. Emphasis will be on using the PLC as a diagnostic tool for troubleshooting.

Prerequisites: Level 1 PLC or equivalent knowledge

Textbook: Programmable Logic Controllers

Learning Objectives:

- Identify the function of PLC programming software
- List common viewing features of programming software
- Describe the process for debugging in a PLC software program
- Develop PLC programs using simulation software
- Develop PLC programs using RSLogix software
- Debug software problems
- Load PLC programs into CPU's
- Wire PLC Input and Outputs to external interfaces
- Operate external hardware using PLC programs