

Controllogix Level 1 6/26/18 - 6/28/18

Start Date: 6/26/2018 8:00 AM

End Date: 6/28/2018 4:00 PM



COURSE OBJECTIVES:

Upon completion of this course a student will be able to:

1. Identify a PLC system and its components
2. Program and interpret ladder logic instructions
3. Configure the communications drivers using RSLogix5000®; and RSLinx®;
4. Use the programming software to monitor input and output devices
5. Understand the diagnostics provided by the programming software

Course outline:

1. An Overview of Programmable Logic Controllers (PLCs)
 - Components of a PLC
 - Operation
 - PLC Hardware
2. Project Organization and Execution
 - Routines
 - Programs
 - Tasks
 - Scan Time
 - Priority
3. Tags
 - Creating
 - Monitoring
4. Communications
 - RSLinx®; Communications Driver Configuration
 - RSLogix5000®; Communications Driver Configuration
5. PLC Programming
 - PLC Programming Languages
 - Ladder Logic
 - ExamineOn/Off
 - Output Energize
 - Branch Instructions
 - Internal Relays
 - Latch Instructions
 - Timers
 - Counters
 - Data Manipulation Instructions
 - Math Instructions